

Springwell Energyfarm Ltd

Springwell Solar Farm

Preliminary Risk Assessment

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RSK GEOSCIENCES

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RSK GENERAL NOTES

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Where field investigations have been carried out, these have been restricted to a level of detail required to achieve the stated objectives of the work.

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EXECUTIVE SUMMARY

Commissioning and purpose of assessment	RSK Environment Limited (RSK) was commissioned by Springwell Solar Farm Limited to carry out a Preliminary Risk Assessment on numerous parcels of agricultural land located around the villages of Brauncewell, Kirkby Green, Ashby de la Launde, Scopwick and Blankney in Lincolnshire. The overall aim of the project was to assess potential land contamination sources and geotechnical constraints to the proposed development.
DESK-BASED ASSESSMENT	
Site description and proposed development	The site currently comprises a large number of agricultural fields, interspersed with hedgerows, small woodland blocks and farm access tracks. It occupies an area of approximately 1,775 hectares and is being considered for development with a new solar energy farm, comprising ground mounted photovoltaic panels, a battery energy storage system, and infrastructure to connect the solar energy farm to the national grid. The site is split into four development parcels denoted A1, A2, B and C (Figure 2). To support this assessment, the site has been subdivided further into 13No zones (A to M), with each zone split even further into a maximum of sixteen subzones (as shown on Figures 3 and 4).
History of site and surrounding area	The site has largely remained undeveloped throughout its entire history, except for localised construction of minor structures, tracks, paths and access roads. Numerous stone pits, gravel pits and small quarries are shown to be distributed across the site area (notably RSK subzones B10, B14, D4, D12, E7, E10, F13, G4, I10). The surrounding area is equally agricultural, although residential expansion occurred in surrounding villages. A sewage works was constructed within zone H4 (outside the redline site boundary) and a large RAF Base (RAF Digby) was constructed adjacent to the central part of the site to the west. Two adjacent quarries (Brauncewell and Longwood) have been historically used as landfill sites and waste treatment facilities.
Previous site investigation reports	There are no previous site investigation (SI) reports available.
Geology	Given its agricultural setting, the site is likely to be primarily covered by a nominal to limited thickness of topsoil, with any made ground anticipated to be localised to distinct previously developed areas, such as former small structures, roads and paths. There may also be made ground 'overspill' from directly adjacent features such as the RAF airfield and sewage works. As the site is so large, the geological sequence is highly varied. Superficial deposits are localised in the north of the site where a covering of Tidal Flat deposits encroaches upon the northern part of zones L and M. In the central (RSK zone E) and southwestern (RSK zones A, B and D) parts of the site, thin bands of Head Deposits and Sleaford Sand and Gravel are present directly over the bedrock. The bedrock outcrops in a sequence presenting itself from east (youngest) to west (oldest) and comprises Oxford Clay, Kellaways Formation (clays and mudstones), Cornbrash Formation (limestone), Blisworth Clay (clays and mudstones), Blisworth Limestone, Rutland Formation (mudstone with limestone beds) and the Lincolnshire Limestone Formation. An overall figure showing site-wide geology is presented as Figure 5.

Hydrogeology and Hydrology	Through reference to historical BGS borehole records, depths to groundwater appear to vary across the site dependent upon the strata. Groundwater in some cases was recorded at shallow depths (2-3 mbgl) within weathered limestones and locally within superficial deposits. Groundwater was generally recorded within limestone units at depths between 12 and 30 mbgl. The Lincolnshire Limestone and Blisworth Limestone are classed as a Principal aquifer, with other limestone units (Kellaways Formation, Cornbrash Formation, Rutland Formation) classed as Secondary aquifers. The Oxford Clay and Blisworth Clay are classed an Unproductive stratum. The site is low lying and crossed by a number of drainage ditches and smaller un-named streams, which generally flow towards the east. Some discharge into lesser watercourses such as Springwell Brook and Scopwick Beck, ultimately discharging into the River Witham several kilometres to the east of the site. The site largely falls outside of any Source Protection Zone, except for the very south of the site, which falls within a Zone 3 SPZ for a public water supply borehole located over 1km to the south. A localised SPZ1 (inner zone) is located within RSK Zone H and I of the site, associated with a private supply borehole. There are no outer catchment zones associated with this SPZ1, which is why it appears very localised.
Site reconnaissance findings	No obvious signs or sources of on-site contamination were identified during the site walkover. Considering the agricultural nature of the site and the sheer size of the site area, there may be small volumes of chemicals and other materials stored on site which were not directly observed during the reconnaissance survey.
Geotechnical constraints assessment	The following potential geotechnical constraints were identified: • Silt rich and shrinkable clay soils associated with all strata except granular superficial soils and unweathered limestone; • Potential compressible and low bearing capacity soils associated with superficial Head Deposits and Tidal Flat Deposits; • Potential running sand associated with saturated granular deposits; • Karstic dissolution features within limestone strata; • Potentially waterlogged ground and/or localised high groundwater table ; • Potential for geological faults within underlying bedrock geology; • Infilled ponds, quarries and gravel pits as well as potential for unrecorded extraction pits, shafts and adits; • Adverse ground chemistry associated with Oxford Clay, Blisworth Clay and Kellaway Formation; and • Lateral variation in ground conditions.
Unexploded Ordnance (UXO)	The site was considered to be at a potential risk of UXO due to the proximity of RAF Digby, which may have been targeted by enemy aircraft during World War II. In addition, the undeveloped and unoccupied nature of the solar site may have resulted in potential strikes going unrecorded.
Contamination assessment	The PRA has identified no obvious potential sources of on-site contamination, except for perhaps the use of pesticides and herbicides as a result of the site's agricultural history. The presence of made ground in some areas is likely although considered to be limited to minor previously developed areas such as small structures (i.e. wind pumps) and tracks, paths and access roads. There are a number of former stone/gravel pits as well as

	ponds that have the potential to be infilled with onerous material, although it is likely that any infill comprised natural and/or inert soils. Two off-site landfills at Brauncewell and Longwood Quarry were licensed to accept inert and non-biodegradable waste, though their proximity and currently active status means that risks may exist for affected zones, but only if the proposed development in these areas comprises manned structures or un-manned enclosed structures where gases could accumulate. Identified potential pollutant linkages were identified, associated with: • Potential impaction of shallow groundwater within SPZ1 via leaching of contaminated soils through the infiltration of rainwater – Zones H and I only; and • Migration of ground gases from adjacent landfill sites and accumulation in enclosed spaces resulting in asphyxiation and/or explosion – Zones A, B, I, L only and only if proposed development comprises manned and/or enclosed structures.
Recommendations including issues for further assessment	It is recommended that intrusive investigation be carried out across the site to confirm both geology and groundwater conditions and assess for the presence of any localised made ground. Historical quarries, pits and ponds that have been infilled should also be targeted to ascertain the composition of the backfill. Installation of ground gas monitoring standpipes along boundaries adjacent to off-site landfills (and subsequent monitoring) may be required to assess potential ground gas risks. Intrusive investigation is also likely to be required to facilitate design of the proposed development and further investigate the identified potential geotechnical constraints. It is understood that a ground investigation specification is currently being drafted. The findings of the Unexploded Ordnance (UXO) Preliminary Risk Assessment were that a Detailed UXO Risk Assessment be carried out to assess the risks to the proposed development works.
The information given in this summary is necessarily incomplete and is provided for initial briefing purposes only. The summary must not be used as a substitute for the full text of the report.	

1 INTRODUCTION

1.1 Commissioning

RSK Environment Limited (RSK) was commissioned by Springwell Solar Farm Limited ('the client') to carry out a Preliminary Risk Assessment (PRA) on numerous parcels of agricultural land located around the villages of Brauncewell, Kirkby Green, Ashby de la Launde, Scopwick and Blankney in Lincolnshire (hereafter referred to as 'the site'). The project was carried out to an agreed brief as set out in RSK's proposal (Ref. 1922604 T01 (00), dated 5th October 2022).

RSK's service constraints are shown in Appendix A.

The Site in question is being considered for development as a solar energy farm.

1.2 Objectives

The objective of the work is:

- to identify any land contamination and/or geotechnical constraints to the proposed development and to support discharge of relevant planning conditions and relevant building control requirements; and
- to identify the need for any additional investigation or remediation works to demonstrate that the site is suitable for its proposed use.

1.3 Scope of works

The scope of this assessment has been developed in accordance with relevant British Standards and authoritative technical guidance as referenced through the report. The assessment of the contamination status of the site is in line with the technical approach presented in Land Contamination Risk Management (LCRM) (Environment Agency, 2021) – which supersedes CLR11 Model Procedures for Land Contamination – and in general accordance with BS 10175: 2011 + A2 2017 (BSI, 2017). It is also compliant with relevant planning policy and guidance.

A brief summary of relevant legislation and policy relating to land contamination is given in Appendix B.

The scope of works for the desk-based assessment has included the following:

- review of the history of development on the site and surroundings;
- assessment of local geology, hydrogeology and hydrology;
- review of relevant information held by appropriate statutory authorities;
- review of any previous site investigation reports made available;
- completion of a site reconnaissance survey to assess the visual condition of the site;
- development of an initial conceptual site model (CSM);

- preliminary consideration of geotechnical constraints and hazards; and
- identification of the need for further action, e.g. intrusive investigations, if any.

1.4 Existing reports

No existing reports relevant to the site assessment have been provided to RSK.

1.5 Limitations

This report is subject to the RSK service constraints given in Appendix A and limitations that may be described through this document.

2 SITE DETAILS

2.1 Site location

Site location details are presented in **Table 1** and a site location plan is provided on Figure 1.

Table 1 Site location details

Site name	Springwell Solar Farm
Full site address and postcode	Proposed Springwell Solar Farm, Lincoln, LN5 0AX
National Grid reference (centre of site)	506300, 357338

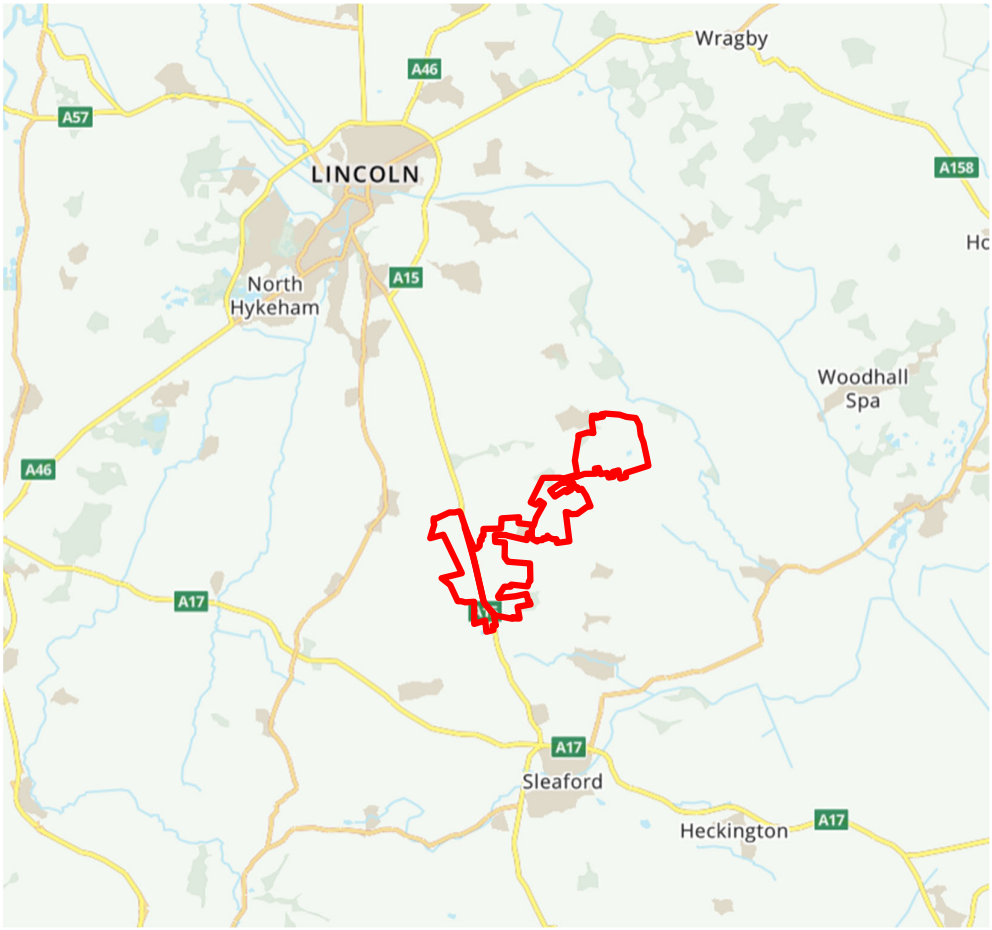


Image 1: Site Location Plan (© Ordnance Survey) – approximate site area shown

2.2 Site description

The site forms an irregular shape and covers an area of c. 1,775 hectares and extends across four distinct parcels (referred to as Parcels A1, A2, B and C). A site parcel plan is included as Figure 2.

The land within the site boundary predominantly consists of agricultural fields, interspersed with hedgerows, small woodland blocks and farm access tracks. The hedgerows within the site range between lengths of dense tall vegetation (shrub and tree species) and thin lines of vegetation with sporadic shrubs and trees present

Any buildings located within the outer site boundary are either residential and or storage facilities associated with the agricultural land use, however the majority of these are not actually included within the site redline boundary and subsequently are not considered as on-site features within this PRA.

The site area is variable in shape, and stretches from Blankney in the north, Ashby de la Launde in the centre and Brauncewell towards to south of the site. The site is accessible via many field entrances around the perimeter, with many of the fields possessing either public footpaths or vehicular tracks between them.

There is variation in the features immediately surrounding each of the distinct land parcels within the Site, as presented below:

- **Parcel A1 / A2**: Parcel A forms the southernmost part of the site and is intersected by the A15. Parcel A is characterised by relatively open agricultural landscape and lies adjacent to the Bloxham Wood Nature Reserve in the south-east corner of the Site;
- **Parcel B**: Parcel B is located in the centre of the site, providing connectivity between Parcel A and B. The parcel lies adjacent to RAF Digby and B1191 to the west, Ashby de la Launde to the south and relatively open agricultural fields to the east; and
- **Parcel C**: Parcel C is bounded by the settlements of Scopwick to the south, Kirkby Green to the southeast, Blankney in the north and the B1188 and a railway line to the west. The parcel is interspersed with small woodland plantations and hedgerows.

2.3 Surrounding land uses

The site is located between Blankney and Brauncewell, within a predominantly agricultural setting, with some surrounding residential homes and an RAF base in close proximity. Immediate surrounding land uses are described in **Table 2**.

Table 2 Surrounding land uses

North	The site is located in a very rural area and therefore the surrounding land use is primarily agricultural. North of the site there is the village of Metheringham and moving further north there are more villages and numerous agricultural fields.
East	East of the site there are some reservoirs which are used for irrigation purposes, more small villages and primarily agricultural fields.
South	South of the site there is a slightly larger village named Ruskington, but the area is primarily agricultural fields.

West	West of the site runs the A15, and there is Longwood Quarry, RAF Digby and Brauncewell Quarry. Beyond these features there are more small villages and agricultural fields.

2.4 Proposed development

It is understood that the site is intended for redevelopment as a solar energy farm, and this will comprise ground mounted photovoltaic panels, a battery energy storage system, and infrastructure to connect the solar energy farm to the national grid.

Further details are outlined below:

- Ground mounted solar PV generating station with a gross electrical output capacity to the National Grid network in the region of 800 MW. The generating station will include solar PV modules and mounting structures;
- Balance of Solar System (BoSS) which comprises; inverters, transformers, switchgear, and the use of Collector Compounds;
- An onsite Project Substation compound, which will include; substation, switching and control equipment, office / control / welfare buildings, storage areas, and provisions for vehicular parking and material laydown;
- Battery Energy Storage System (BESS) compound(s) and associated inverters, transformers, switchgear and ancillary equipment and their containers, enclosures, monitoring systems, air conditioning, electrical cables and fire safety infrastructure;
- Works to facilitate vehicular access to the Site;
- Ancillary infrastructure works including; underground cables, boundary treatments, security equipment, lighting, landscaping, access tracks, earthworks, surface water management, and any other works identified as necessary to enable the development;
- Equipment facilitating electrical connection to the proposed National Grid Substation (to be located off-site);
- New public footpaths and amenity improvements; and
- Areas for habitat management and biodiversity enhancement.

No details of the proposed ground levels have been provided therefore for the purposes of this report it has been assumed that the current levels will remain unchanged.

3 DESK-BASED ASSESSMENT

The overall site covers an area of approximately 1,775 hectares and therefore is too large to carry out a single site-wide assessment of historical use, geology, hydrogeology, hydrology and other environmental aspects. For ease of understanding, RSK has subdivided the site into thirteen (13No) smaller areas, consistent with the way in which the historical maps and environmental database reports have been provided from the supplier.

The zones have been categorised as zones A to M as shown below and on Figures 3 and 4.



Image 2: Site Zoning Plan (1:10,000 historical maps and environmental database reports)

The desktop study was designed generally to meet the objectives of a preliminary (phase 1) investigation, as defined by BS 10175:2011 + A2 2017 (BSI, 2017) and this assessment relates to LCRM Stage 1, Tier 1 preliminary risk assessment. The "vicinity" of the site for the purposes of this report is defined as locations situated within an approximate 250 m radius of the site, although certain sources and/ or sensitive targets further than 250 m may also have been considered.

The study aims principally to identify and assess the potential risks and liabilities associated with contamination of the ground, on and in the vicinity of the site. While this

includes consideration of current operations and housekeeping on the site, the report does not constitute a comprehensive environmental audit of the site, as covered under ISO 14001.

The 1:2,500 historical OS maps each cover an even smaller area and are individually referenced within the historical summary and site reconnaissance chapter to aid locating features within the larger zones. A plan showing the further subdivision of each of the 13No zones is shown below and on Figure 4.



Image 3: Additional Site Zoning Plan (1:2,500 historical maps)

Minor changes to the overall site redline boundary occurred after commissioning of the project and therefore the site boundaries shown on the individual historical maps may differ slightly from those boundaries at the time of reading. These discrepancies have been highlighted in the relevant section where they occur.

To aid digestion of information, site plans and historical maps for the entire site area have been constructed and these are presented in Appendix C.

Geological plans covering the entire site are presented in Figure 5.

4 DESK-BASED ASSESSMENT - ZONE A

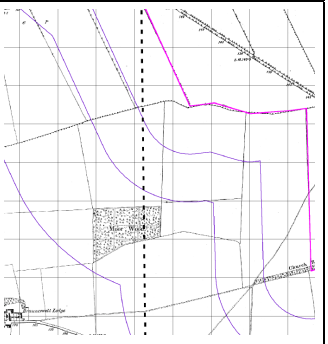
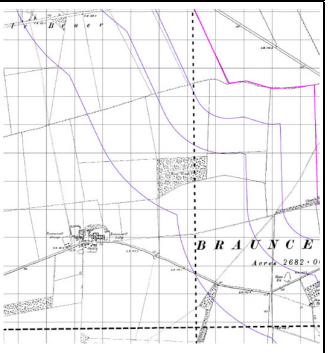
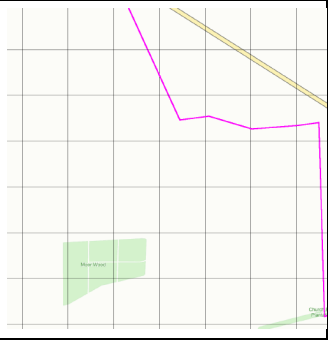
4.1 Site history



4.1.1 Historical development record

The development history of Zone A and the surrounding area based upon assessment of historical plans and records is detailed in **Table 3**. The historical maps reviewed are shown within the environmental database report in Appendix D1.

Table 3 Summary of historical development – Zone A

Dates	Historical Land Use (on-site)	Area of site
1887	The majority of Zone A is occupied by fields, which are presumably used as farmland. There is a track/road running south-east to north-west across the zone (A16) which is lined with trees, and there is a plantation located at the southern boundary of the zone (A8).	
1906	There are no longer any trees running alongside the track, according to the historic map. No other significant changes.	
1907 to Present Day	No significant change	

Date from	Date to	Historical Land Use (off-site)
1887	1988	Zone A is primarily surrounded by fields. Approximately 800 m west and 400 m south (A8) of the zone there are some Stone Pits. There is a wooded area named Moor Wood 550 m west of the zone, and some more stone, gravel and clay pits >1 km west. Some structures associated with the village of Brauncewell are located approximately 1.2 km south west of the zone.
1989	1904	Data Gap
1905	1906	No significant change
1907	1946	Data Gap
1947	1950	There is now a built structure located approximately 900 m south of the zone. No other significant change.
1951	1955	Data Gap
1956		No significant change
1957	1978	Data Gap
1979	2000	The stone pit located approximately 400 m south of the zone (A8) is now labelled as a stone quarry and has increased in size.
1985		No significant change
1986	1993	Data Gap
1994	2000	No significant change
2001	2021	Data Gap
2022		The stone quarry is no longer labelled on the map. No other significant change.
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐		
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.		

There has been a minimal level of development on and around Zone A, and therefore it has not been subject to significant contaminative land use in this respect.

It is not clear whether the land functioned as arable farmland, however if this is the case then there may be some level of contamination associated with agricultural industry and the use of pesticides, herbicides and fertilisers.

4.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D1) are summarised below in **Table 4**.

Table 4 Summary of environmental permits, landfills and incidents – Zone A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	3	555 m SE: Brauncewell Quarries, Ref YP3238LE, waste landfilling ; any other landfill to which the 2002 landfill regulations apply. 555 m SE: Brauncewell Quarries Ltd, Ref PPC/2004/7, 01/01/2005, PG3/8 Quarry processes including roadstone plants and the size reduction of bricks tiles and concrete. 581 m SE: Brauncewell Quarries Ltd, Ref IPPC/2004/7, Quarry processes including roadstone plants and the size reduction of bricks tiles and concrete.
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Discharge consents	0	0	0	648 m NW: R T Mountain Farms, Arable Farming, Temple Farm, Ref. Gwnlf40489, effective 1st April 1999, trade discharge onto land, receiving water - groundwater. 763 m S: AG Reserves Ltd, Arable Farming, Manor Farm, Ref Gwnlf40713, 01/04/1999, trade discharge (agricultural and surface), onto land, receiving water – groundwater. 815 m S: Hallsworth (Farmland Trust) Ltd, domestic property, Ref Pr3lfu5511, 14/12/2011, sewage discharges (final/treated effluent), land/soakaway.
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A
Historic / closed landfills	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Other waste management licences	0	1	1	8 m SE: Brauncewell Quarry, license no. 73008, landfills taking non-biodegradable waste (not construction), issued 12th April 2001. 468 m SE: Brauncewell Quarries Ltd, Ref 101884, inert and excavation waste TS and treatment, 30/01/2012.
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	0	1	555 m SE: Brauncewell Quarries Ltd, Active.
Fuel station entries	0	0	0	N/A
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

The environmental database report has identified a licensed waste management facility directly adjacent to the southern boundary and southwestern corner of Zone A (Brauncewell Quarry). The report lists a number of different licenses, presumably

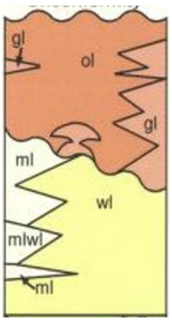
associated with different parts or cells of the landfill. The landfill appears to have been licensed to accept non-biodegradable wastes, with these licenses having expired by 2007. Part of the landfill appears to currently be active and licensed to accept “inert and excavation waste TS + treatment”.

4.3 Site geology

4.3.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of Zone A to be characterised by the succession recorded in **Table 5**. There are no publicly available BGS historical boreholes located within the zone.

Table 5 Site geology – Zone A

Strata	Description	Estimated thickness	Permeability	Map Legend
Head (only in the north of the zone)	Poorly sorted and poorly stratified, angular rock debris and/or clayey hillwash and soil creep.	Variable	Variable	
Upper Lincolnshire Limestone (widespread across the whole site)	Limestone, mainly coarse grained ooidal grainstones (ol), with subsidiary limestones of other types (gl) including fine to medium grained grainstone, recrystallized limestone and possible reef knolls	Up to 15 m	Permeable	
Lower Lincolnshire Limestone (only potentially intruding in the north-east of the site)	Limestones, dominated by low-energy calcilutite and and peloidal wackestone (wl) and packstone. With subsidiary carbonate mudstone (ml).	Up to 20 m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the majority of Zone A has never been developed, and therefore Made Ground would not be anticipated.

The zone would be expected to be directly underlain by a limited thickness of topsoil.

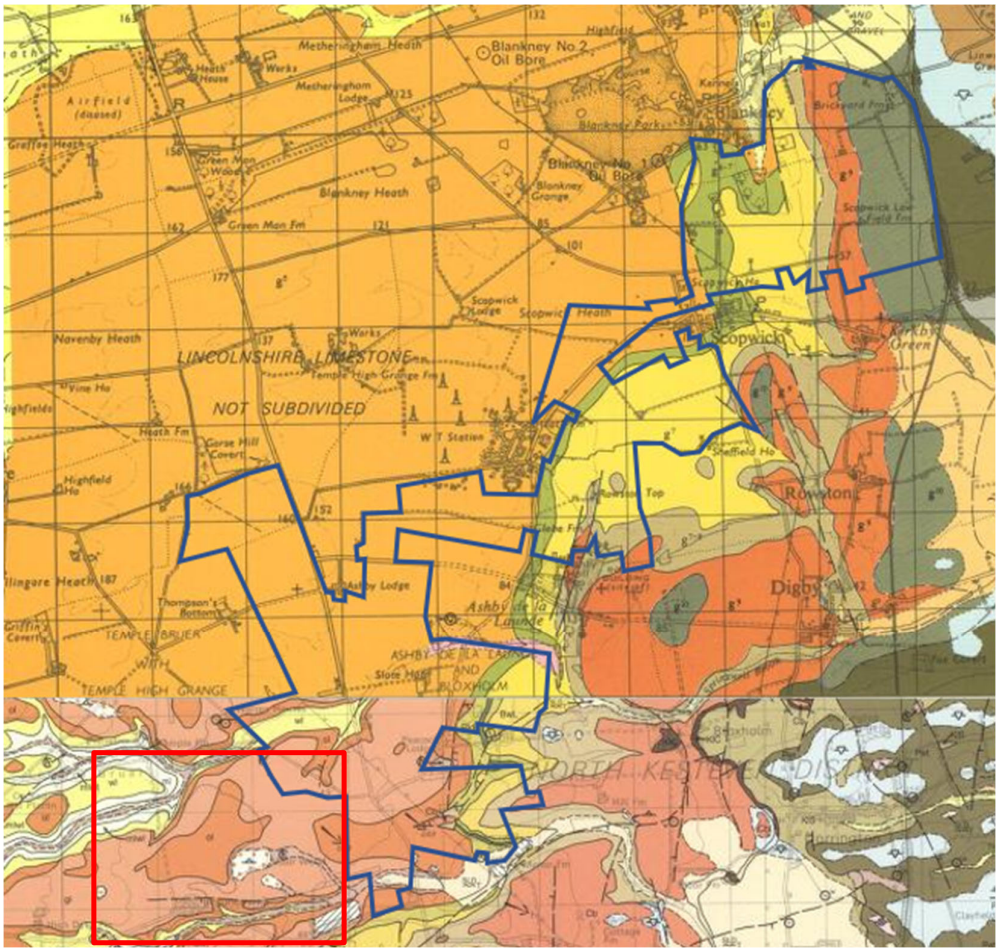


Image 4: Anticipated Geology – Zone A

4.3.2 Radon

The environmental database report indicates that Zone A is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 5-10% of homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the zone is considered for future residential development, further assessment will be required, in

line with the guidance provided in BRE publication 211 “Radon: Guidance on Protective Measures for New Dwellings (2015)”.

4.4 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500 m of the zone.

4.4.1 Areas of other (rock or mineral) mining

Zone A lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member. While there has been no quarrying within the zone itself, there are stone pits 800 m west and 400 m south of the zone, with more pits being located >1 km away. The quarrying site approximately 400 m south is now the Brauncewell Quarry and appears to currently still be operating.

4.5 Hydrogeology

A summary of the hydrogeological setting of Zone A, with respect to the anticipated geological sequence, is presented below in **Table 6**.

Table 6 Summary of hydrogeological setting – Zone A

Condition	Description
Aquifer characteristics	Zone A is underlain by a principal aquifer relating to the Upper Lincolnshire Limestone Member, and a secondary undifferentiated aquifer relating to the Head Deposits (only in the north of the zone).
Depth to groundwater and flow	The anticipated depth to the groundwater table is in the order of 20 m below ground level estimated from BGS logs advanced through the limestone up to 1 km from the zone. Shallow groundwater in the zone area is anticipated to flow in a south easterly direction, in line with local topography.
Groundwater recharge/ attenuation	Most of the zone is currently unsurfaced and will therefore drain to ground.
Licensed groundwater abstractions	The environmental database report indicates that there are no current licensed groundwater abstractions located within 1 km of the zone.
Source protection zones	Information available in the Envirocheck report and MAGIC website indicates that the south of the zone lies within Zone 3 of the groundwater Source Protection Zone (SPZ). The public supply borehole to which this SPZ relates is not within the boundary of the maps.

4.6 Hydrology

A summary of the hydrology within the zone area is summarised in **Table 7**.

Table 7 Summary of hydrology in site area – Zone A

Condition	Description
Surface watercourses/ features	There are no ponds, streams or drainage ditches on or directly adjacent to the zone. The nearest identified surface watercourses to the zone are a number of unnamed streams and drains located approximately 2 km to the east.
Surface water abstractions	There are no surface water abstractions identified by the environmental database, within a 1 km radius of the zone.
Site drainage	Surface drainage from the zone appears to be discharged directly to the ground.
Preliminary flood risk assessment	The indicative floodplain map for the area, shows that the zone does not lie within any designated floodplain.

4.7 Sensitive land uses

Table 8 provides a summary of any environmentally sensitive areas identified within 250 m of the zone based on the environmental database report.

Table 8 Environmentally sensitive areas – Zone A

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	No	N/A	N/A
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	No	N/A	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	No	N/A	N/A
Nearest high sensitivity development, e.g. residential	No	N/A	N/A

5 DESK-BASED ASSESSMENT – ZONE B

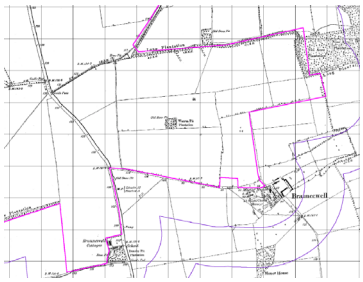
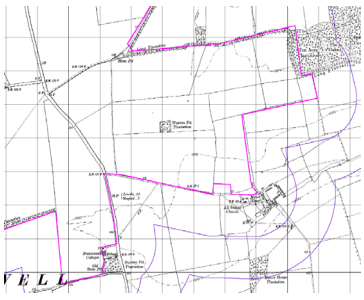
5.1 Site history

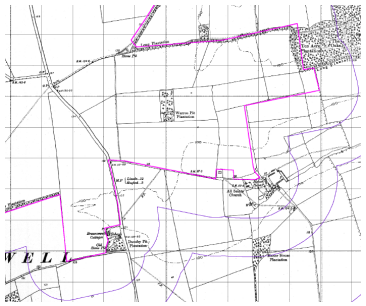
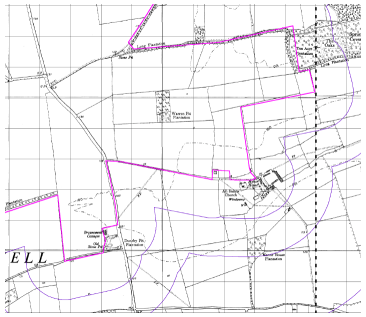
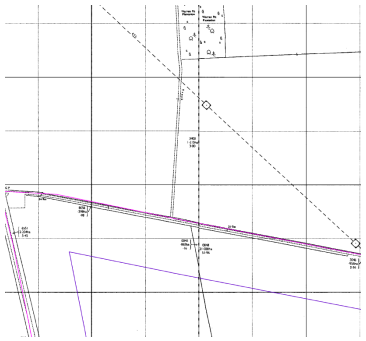
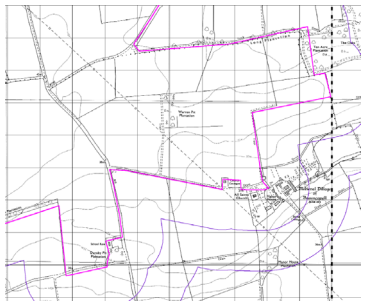


5.1.1 Historical development record

The development history of Zone B and the surrounding area based upon assessment of historical plans and records is detailed in **Table 9**. The historical maps reviewed are shown within the environmental database report in Appendix D2.

Table 9 Summary of historical development – Zone B

Date from	Date to	Historical Land Use (on-site)	Area of site
1887	1888	Zone B is primarily fields, which are presumably used as agricultural land, as they are in the present day. There is Long Plantation in the north (B14, B15) and Warren Pit Plantation in the centre of the site (B10), which is also labelled as an Old Stone Pit. There is a Stone Pit on the eastern boundary of the zone (B14). The site encroaches onto Ten Acre Plantation on the north-eastern boundary. There are guideposts located in the west of the zone (B13) and there is one road/track running east to west across the centre of the zone and another road located in the west of the zone running north to south, both of which can be seen in zone B13.	
1889	1904	Data Gap	
1905	1906	No significant change	
1907	1949	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1950		Warren Pit Plantation (B10) has increased in size, and the road running east to west is now labelled as the B1191. No other significant changes.	
1951	1955	Data Gap	
1956		No significant change	
1957	1978	Data Gap	
1979		Pylons have been erected across the western portion of the zone (B10, B13). The stone pit adjacent to Long Plantation in zone B14 is no longer present.	
1980	1984	Data Gap	
1985		No significant change	
1986	1993	Data Gap	
1994		No significant change	

Date from	Date to	Historical Land Use (on-site)	Area of site
1995	1999	Data Gap	
2000		No significant change	
2001	2021	Data Gap	
2022		The road located in the west of the zone, running north to south, is now labelled as the A15.	

Date from	Date to	Historical Land Use (off-site)
1887	1888	There is an Old Stone Pit located immediately adjacent to the northern boundary of the zone (B14). There is an estate called Manor House (part of the village of Brauncewell) approximately 100 m south of the south-western boundary of the zone (B11), and this includes a rectory called All Saints Church and a small pond. Brauncewell Cottages are located immediately south of the southern boundary of the zone split between B5 and B6, and there is also a school and a stone pit here. There are multiple plantations around the zone, most notably Ten Acre Plantation (B15 and B16), Nine Acre Plantation (B16) and Spruce Covert immediately north-east of the zone (B16). The village of Dunsby is located 750 m south of the zone, Dale Farm is located 1 km south-east of the zone, Hill Farm is located 500 m east with some associated cottages and West Pastures is located 800 m southwest of the zone with an associated Old Stone Pit.
1889	1904	Data Gap
1905	1906	There is a well located at the Manor House estate (B11). No other significant change.
1907	1949	Data Gap
1950		A small structure has been built north of All Saints Church and just south of the zone boundary (B11). No other significant change.
1951	1955	Data Gap
1956		A windpump has been erected at the Manor House estate (B11). No other significant change.
1957	1978	Data Gap
1979		Pylons have been constructed running south-east to north-west across the centre of the zone.
1980	1984	Data Gap
1985		Brauncewell cottages no longer appear to be present in zones B5 and B6. The area around Manor House is now labelled as the Medieval Village of Brauncewell and seems to have expanded somewhat. There are a lot of drains surrounding the site to the east and southeast and West Pastures is no longer present.
1986	1993	Data Gap
1994		No significant change
1995	1999	Data Gap
2000		No significant change

Date from	Date to	Historical Land Use (off-site)
2001	2021	Data Gap
2022		There is now a pond located immediately south-west of the zone (B5).
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐		
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.		

With the exception of the roads, there has been a minimal level of development on the zone, and therefore it has not been subject to significant contaminative land use in this respect.

It is presumed that the land functioned as arable farmland, and if this is the case then there may be some level of contamination associated with agricultural industry and the use of pesticides, herbicides and fertilisers.

The stone quarries identified in zones B10 and B14 are presumed to have been infilled with inert and/or natural material, however there lies the potential for more onerous material to have been used.

5.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D2) are summarised below in **Table 10**.

Table 10 Summary of environmental permits, landfills and incidents – Zone B

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	0	N/A
Discharge consents	0	0	1	922 m S: Anglian Water Services Limited, Red Annnf10370, Issued 19/07/1995, sewage discharges – pumping station – water company – receiving water – Trib Ruskington Beck.
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A
Historic / closed landfills	0	0	0	N/A
Other waste management licences	0	0	1	9 m W: Brauncewell Quarry, license number 73008, landfills taking non-biodegradable wastes (not construction), issued 12/04/2001.
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	0	0	N/A
Fuel station entries	0	0	0	N/A
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

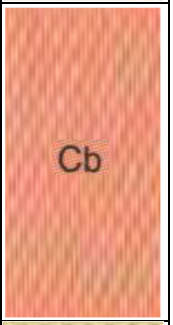
Similar to Zone A, the environmental database report has identified a licensed waste management facility directly adjacent to the southwestern corner of Zone B (Brauncewell Quarry). The report lists a number of different licenses, presumably associated with different parts or cells of the landfill. The landfill appears to have been licensed to accept non-biodegradable wastes, with these licenses having expired by 2007. Part of the landfill appears to currently be active and licensed to accept “inert and excavation waste TS + treatment”.

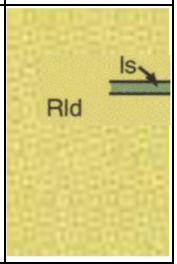
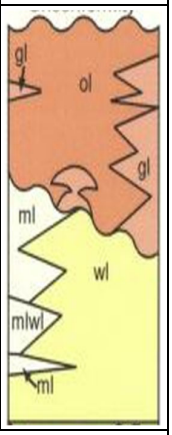
5.3 Site geology

5.3.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for Zone B and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in **Table 11**.

Table 11 Site geology – Zone B

Strata	Description	Estimated thickness	Permeability	Map Legend
Head (south of the site only)	Poorly sorted and poorly stratified, angular rock debris and/or clayey hillwash and soil creep, mantling a hillslope and deposited by solifluction and gelifluction processes.	Variable	Variable	
Sleaford Sand and Gravel (south of the site only)	Sand and gravel	Variable	Permeable	
Cornbrash Formation (east of the site only)	Limestone, medium to fine grained, predominantly bioclastic wackestone and packstone with sporadic peloids. Thin argillaceous partings or interbeds of argillaceous mudstone may occur	Typically 2 – 4 m	Permeable	
Blisworth Clay Formation (east of the site only)	Silicate-mudstone, grey, commonly variegated purplish red, yellow and green, poorly bedded to blocky. Mudstone weathers to a highly plastic clay.	Typically 2 – 4 m	Impermeable	

Strata	Description	Estimated thickness	Permeability	Map Legend
Blisworth Limestone Member (east of the site only)	Pale grey to off-white or yellowish limestones with thin marls and mudstones, fossiliferous, bioturbated peloidal, ooidal and shell-fragmental more-or-less argillaceous packstones and wackestones, subordinate cross-bedded ooidal shell-fragmented grainstones.	Typically 6 – 7 m	Permeable	
Rutland Formation (east of the site only)	Grey marine mudstone passing up into non-marine mudstone and siltstone, with a greenish-grey rootlet bed at the top. Occasional limestone beds (ls)	Typically 8 – 12 m	Permeable	
Upper Lincolnshire Limestone Member (widespread across the site)	Limestone, mainly coarse grained ooidal grainstones (ol), with subsidiary limestones of other types (gl) including fine to medium grained grainstone, recrystallized limestone and possible reef knolls	Typical ~15 m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the majority of the site has never been developed, and therefore widespread Made Ground would not be anticipated. There may be some Made Ground or reworked in the vicinity of the Stone Pit in zones B10 and B14 as well as any roads running through the zone.

The zone would be expected to be directly underlain by a limited thickness of topsoil.

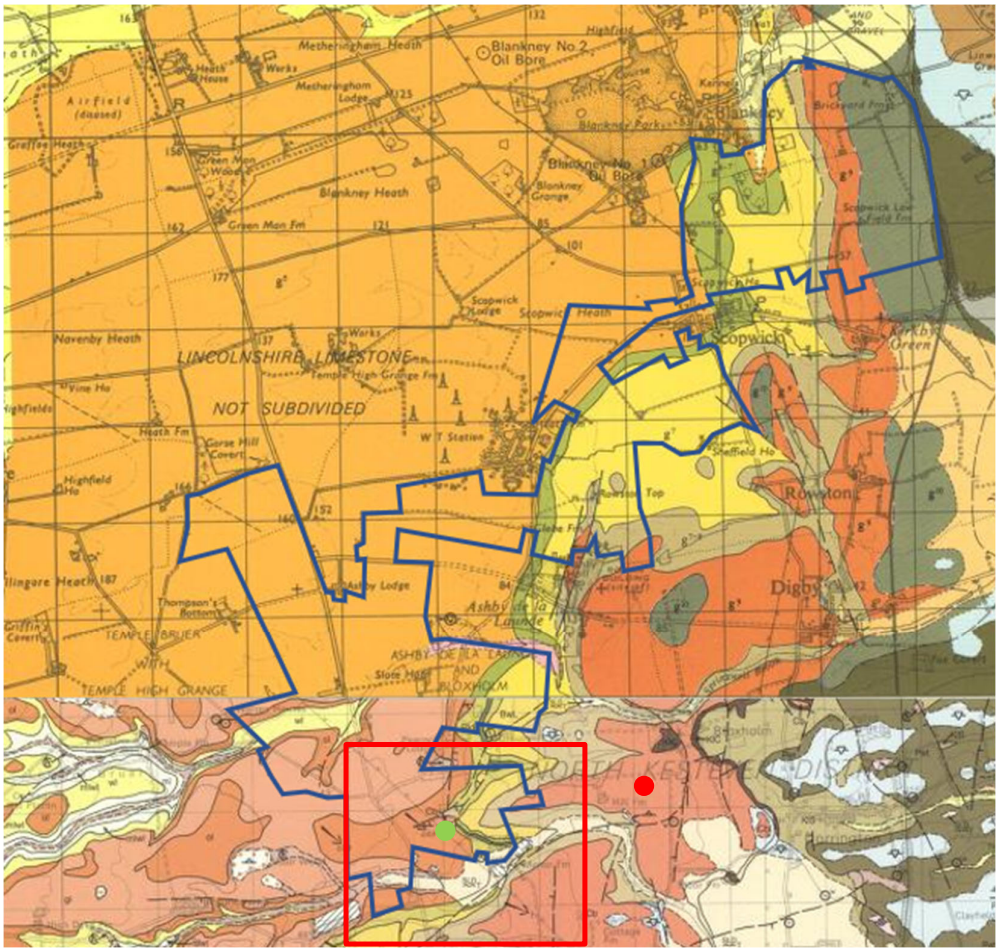


Image 5: Anticipated Geology – Zone B

Whilst not located on the site, a historical BGS borehole located approximately 1.2 km to the east of the zone (TF05 SE/30) provides a detailed stratigraphical description to 55 m bgl. A summary of nearby BGS borehole records on and near the zone are provided in **Table 12** below.

Table 12 Summary of BGS borehole records – Zone B

Stratum	Description	Depth to base (m)
TF05 SE/30	55.00	●
TF05 SW/05	36.00	●

A copy of these borehole logs is presented in Appendix E.

5.3.2 Radon

The environmental database report indicates that the zone is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 5-10% of homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the zone is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 "Radon: Guidance on Protective Measures for New Dwellings (2015)".

5.4 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500 m of the site.

5.4.1 Areas of other (rock or mineral) mining

The site lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member, and there are two known Old Stone Pits on the site (B10 and B14), with multiple pits surrounding the site. The quarrying site adjacent to the south is now the Brauncewell Quarry and appears to currently still be operating.

5.5 Hydrogeology

A summary of the hydrogeological setting of Zone B, with respect to the anticipated geological sequence, is presented below in **Table 13**.

Table 13 Summary of hydrogeological setting – Zone B

Condition	Description
Aquifer characteristics	Zone B is underlain by a principal aquifer relating to the Upper Lincolnshire Limestone Member and the Blisworth Limestone Formation, a secondary B aquifer relating to the Rutland Formation, a secondary A aquifer relating to the Cornbrash Formation, and unproductive strata relating to the Blisworth Clay Formation.
Depth to groundwater and flow	The anticipated depth to the groundwater table is in the order of 30 m below ground level estimated from BGS logs. Shallow groundwater in the zone area is anticipated to flow in a south-easterly direction, in line with local topography.

Condition	Description
Groundwater recharge/ attenuation	Most of the zone is currently unsurfaced and will therefore drain to ground.
Licensed groundwater abstractions	The environmental database report indicates that there are no current licensed groundwater abstractions located within 1 km of the zone.
Source protection zones	Information available in the Envirocheck report and MAGIC website indicates that the majority of the zone lies within Zone 3 of the groundwater Source Protection Zone (SPZ). The very north of the zone does not lie within a SPZ. The public supply borehole to which this SPZ relates is not within the boundary of the maps.

5.6 Hydrology

A summary of the hydrology within the site area is summarised in **Table 14**.

Table 14 Summary of hydrology in site area – Zone B

Condition	Description
Surface watercourses/ features	There is a pond 20 m south of the site in the west, and there are multiple drainage ditches to the east of the site. The nearest identified surface watercourses to the site are unnamed drains adjacent to the eastern boundary that run towards the east, in the direction of the River Witham.
Surface water abstractions	There are no surface water abstractions identified by the environmental database, within a 1 km radius of the zone.
Site drainage	Surface drainage from the zone appears to be discharged directly to the ground.
Preliminary flood risk assessment	The indicative floodplain map for the area, shows that the zone does not lie within any designated floodplain.

5.7 Sensitive land uses

Table 15 provides a summary of any environmentally sensitive areas identified within 250 m of the zone based on the environmental database report.

Table 15 Environmentally sensitive areas – Zone B

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	No	N/A	N/A
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	No	N/A	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	No	N/A	N/A
Nearest high sensitivity development, e.g. residential	Yes	Residential Housing: Manor House and Church Cottages are located in zone B11, immediately beyond the southern boundary of the zone.	Wind-blown migration of potential contaminants. Leaching.

6 DESK-BASED ASSESSMENT – ZONE C

Zone C does not encompass any of the site itself, beginning 800 m to the east of the site boundary and including the remaining 200 m of the 1 km search buffer. Due to this, only the historical development of the land has been deemed relevant to the site assessment.

6.1 Site history

6.1.1 Historical development record

The development history of Zone C (technically the 'surrounding area' of the site) based upon assessment of historical plans and records is detailed in **Table 16**. The historical maps reviewed are shown within the environmental database report in Appendix D3.



Table 16 Summary of historical development – Zone C

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1887		The area is predominantly fields. There is a forested area called The Laurels located approximately 750 m north-east of the site, and Brauncewell Plantation is located 900 m south-east of the site. There is a forested area and some built structures present associated with Hill Farm which is 500 m east of the site.	
1888	1905	Data Gap	
1906		No Change	
1907	1946	Data Gap	
1947	1950	No Change	
1951	1955	Data Gap	
1956		No Change	
1957	1984	Data Gap	
1985		There are multiple drains labelled east of the site, in what are most likely drainage ditches. There is now a pond associated with Brauncewell Plantation 900 m south-east of the site, and the drains from Hill Farm outfall here.	
1986	1999	Data Gap	
2000		No Change	
2001	2021	Data Gap	
2022		No Change	
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐			
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.			

It is presumed that the land functioned as arable farmland, and if this is the case then there may be some level of contamination associated with agricultural industry and the use of pesticides, herbicides and fertilisers which could subsequently impact the site itself.

6.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D3) are summarised below in **Table 17**.

Table 17 Summary of environmental permits, landfills and incidents – Zone C

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	0	N/A
Discharge consents	0	0	0	N/A
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A
Historic / closed landfills	0	0	0	N/A
Other waste management licences	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	0	0	N/A
Fuel station entries	0	0	0	N/A
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

No potential sources of contamination have been identified from the environmental database report for Zone C.

7 DESK-BASED ASSESSMENT – ZONE D

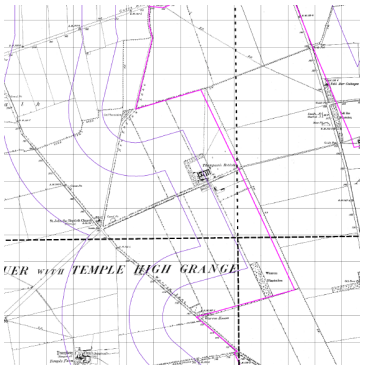
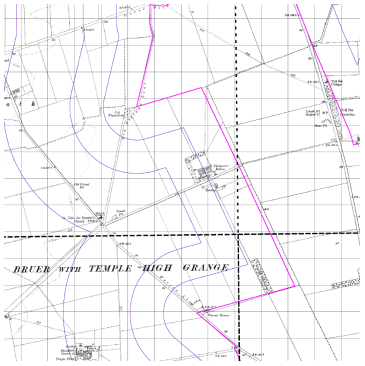
7.1 Site history

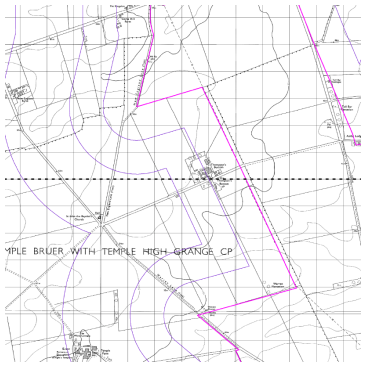
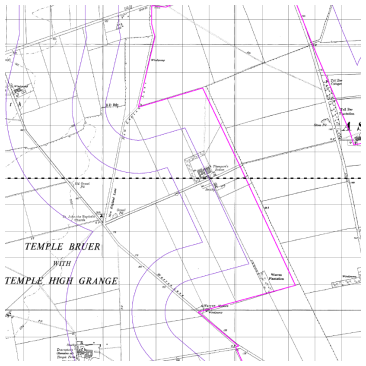
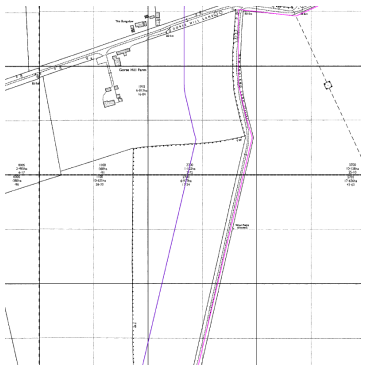


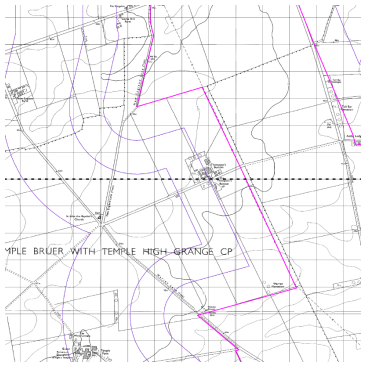
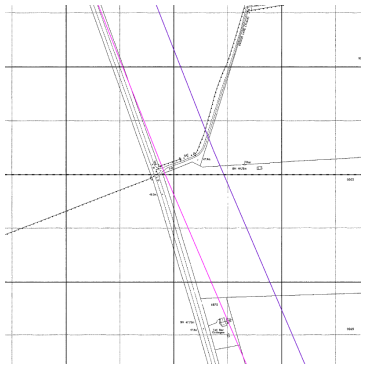
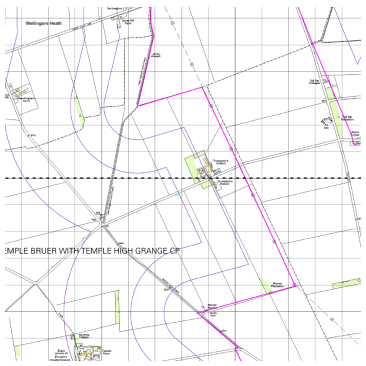
7.1.1 Historical development record

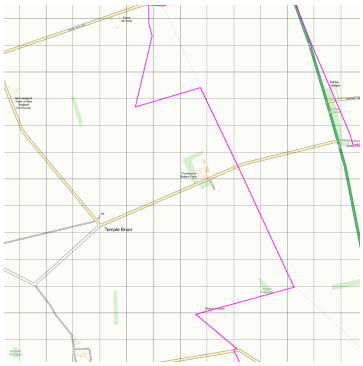
The development history of Zone D and the surrounding area based upon assessment of historical plans and records is detailed in **Table 18**. The historical maps reviewed are shown within the environmental database report in Appendix D4.

Table 18Summary of historical development – Zone D

Date from	Date to	Historical Land Use (on-site)	Area of site
1887	1888	Zone D is predominantly fields. At the south-western boundary of the zone (D3) there are some terraced buildings named Warren Houses, which are presumably residential homes, and there is a well immediately south of the buildings. There is an Old Stone Pit, located in zone D4 within a forested area, and a Stone Pit located in D12 adjacent to Toll Bar Plantation. There are multiple roads around the site, one is called Warren Lane running southeast to northwest in zone D3, one is unnamed and is running east to west across D11 and D12, and another is running north-to-south through the east of the zone through zones D16 and D12. Toll Bar Cottages (D16) and Toll Bar Plantation (D12) are located on the north-eastern boundary of the zone.	
1889	1904	Data Gap	
1905	1906	There is well located at Toll Bar Cottages (D16). No other significant change.	
1907	1946	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1947	1951	No Change	
1952	1955	Data Gap	
1956		Multiple windpumps have been constructed across the zone, one in zone D14, one located in the south of the zone near the Old Stone Pit in D4, and another one at Warren Houses in D3. The road running south to north going in the east of the zone is now labelled as the A15.	
1957	1978	Data Gap	
1979		The windpumps at Warren Houses (D3) and along the north western boundary of the zone (D14) are now disused, and pylons have been constructed on the zone along the western boundary. Some houses have been built on the eastern boundary of the zone in the north, associated with Ashby Lodge.	
1980	1984	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1985		The stone pit associated with Toll Bar Cottages is now disused (D12). No other significant change.	
1986	1993	Data Gap	
1994		No Change	
1995	1999	Data Gap	
2000		No Change	
2001	2021	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
2022		No Change	

Date from	Date to	Historical Land Use (off-site)
1887	1888	Thompsons Bottom is an estate located 200 m west of the western zone boundary in zone D11. Temple Farm is located approximately 750 m west of the western boundary in the south of the zone, and it includes the remains of a preceptory and a church. There also appears to be a tank on the site of Temple Farm. Warren Plantation is located just off the northern boundary of the site in the south running through zone D3 and D7, and there is a gravel pit located 800 m west of the western boundary, as well as St John the Baptists Church and a school. Adjacent to the school and gravel pit is a convergence of roads/tracks, and approximately 350 m northwest of this crossroads is another small gravel pit. Cat Plantation is located immediately west of the western boundary in zone D10, and there is another gravel pit located 900 m west of here. There is a road running east to west just beyond the northern boundary of the zone called Gorse Hill Lane (D14), and there are some structures built immediately east of the eastern site boundary in zone D12.
1889	1904	Data Gap
1905	1906	The gravel pit that was located 900 m west of the western boundary beyond Cat Plantation is gone, and there is now a built structure in its place. The gravel pit that is located 350 m north of the crossroads is now disused. Thompsons Bottom (D11) has a smithy forming part of the area. There is a small pond located 500 m west of the site, approximately 250 m past Thompsons Bottom.
1907	1946	Data Gap
1947	1951	There are some structures which have been built 200 m west of the western boundary in the north of the site, just south of Gorse Hill Lane in zone D14.
1952	1955	Data Gap
1956		Some more structures have been built at the site of what was the gravel pit located 900 m west of the western boundary, and a windpump has also been built. There is another built structure immediately east of the eastern boundary in the north of the site, in zone D12.
1957	1978	Data Gap
1979		There are pylons constructed along the western boundary of the site. Cat Plantation is no longer present west of the site, and some structures have been added to

Date from	Date to	Historical Land Use (off-site)
		Thompsons Bottom (D11). The structures that were built just south of Gorse Hill Lane to the west of the site are now labelled as Gorse Hill Farm (D14).
1980	1984	Data Gap
1985		There appears to have been a small amount of construction at the remains of the old preceptory, with some residential homes named The White Cottages being present. The structures present 900 m west of the western boundary in the north of the site are now named New England Farm, and some more buildings have been added. There is no longer a school located at the crossroads, but a Hall is now present.
1986	1993	Data Gap
1994		No Change
1995	1999	Data Gap
2000		No Change
2001	2021	Data Gap
2022		No Change
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐		
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.		

With reference to the historical data, the majority of the site has never been developed, therefore widespread Made Ground would not be anticipated. There may be some Made Ground in the vicinity of the Old Stone Pits in zones D4 and D12 and the roads running through the site.

The stone quarries identified in zones D4 and D12 are presumed to have been infilled with inert and/or natural material, however there lies the potential for more onerous material to have been used.

7.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D4) are summarised below in **Table 19**.

Table 19 Summary of environmental permits, landfills and incidents – Zone D

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	0	N/A
Discharge consents	0	0	0	N/A
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A
Historic / closed landfills	0	0	0	N/A
Other waste management licences	0	0	0	N/A
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	2	0	12 m E: Timmart Electrical Services, Ashby Lodge Cottages, Electrical Engineers, Inactive 224 m NW: D F Bell Haulage, Gorse Hill Lane, Road Haulage Services, Inactive
Fuel station entries	0	0	0	N/A
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

No potential sources of contamination have been identified from the environmental database report for Zone D.

7.3 Information from regulatory authorities

7.3.1 Site services

Buried utility services and their backfill can provide preferential pathways for gas, vapour or groundwater to migrate along to another part of the site or to a receptor. They can also represent significant constraints to development.

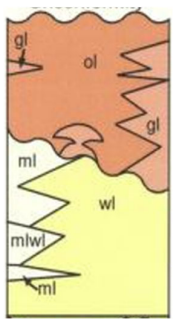
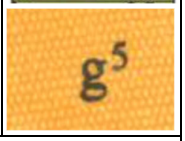
Obtaining a full set of service plans was outside the scope of this report. Services identified on-site during the walkover are detailed in section 17.

7.4 Site geology

7.4.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in **Table 20**.

Table 20 Site geology – Zone D

Strata	Description	Estimated thickness	Permeability	Map Legend
Head (south west of the site only)	Poorly sorted and poorly stratified, angular rock debris and/or clayey hillwash and soil creep, mantling a hillslope and deposited by solifluction and gelifluction processes.	Variable	Variable	
Upper Lincolnshire Limestone Member	Limestone, mainly coarse grained ooidal grainstones (ol), with subsidiary limestones of other types (gl) including fine to medium grained grainstone, recrystallized limestone and possible reef knolls	Up to 15 m	Permeable	
Lower Lincolnshire Limestone Member	Limestones, dominated by low-energy calcilutite and and peloidal wackestone (wl) and packstone. With subsidiary carbonate mudstone (ml).	Up to 20 m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the majority of the site has never been developed, therefore minimal Made Ground would be anticipated.

The site would be expected to be directly underlain by a limited thickness of topsoil.

A summary of historical BGS borehole records within and near the zone are provided in **Table 21** below.

Table 21 Summary of BGS borehole records – Zone D

Borehole ref	Depth (m)	Map Legend
TF05 NW/14	26.00	
TF05 NW/17	28.00	
TF05 SW/8	23.00	
TF05 NW/38	28.71	

A copy of these borehole logs is presented in Appendix E.

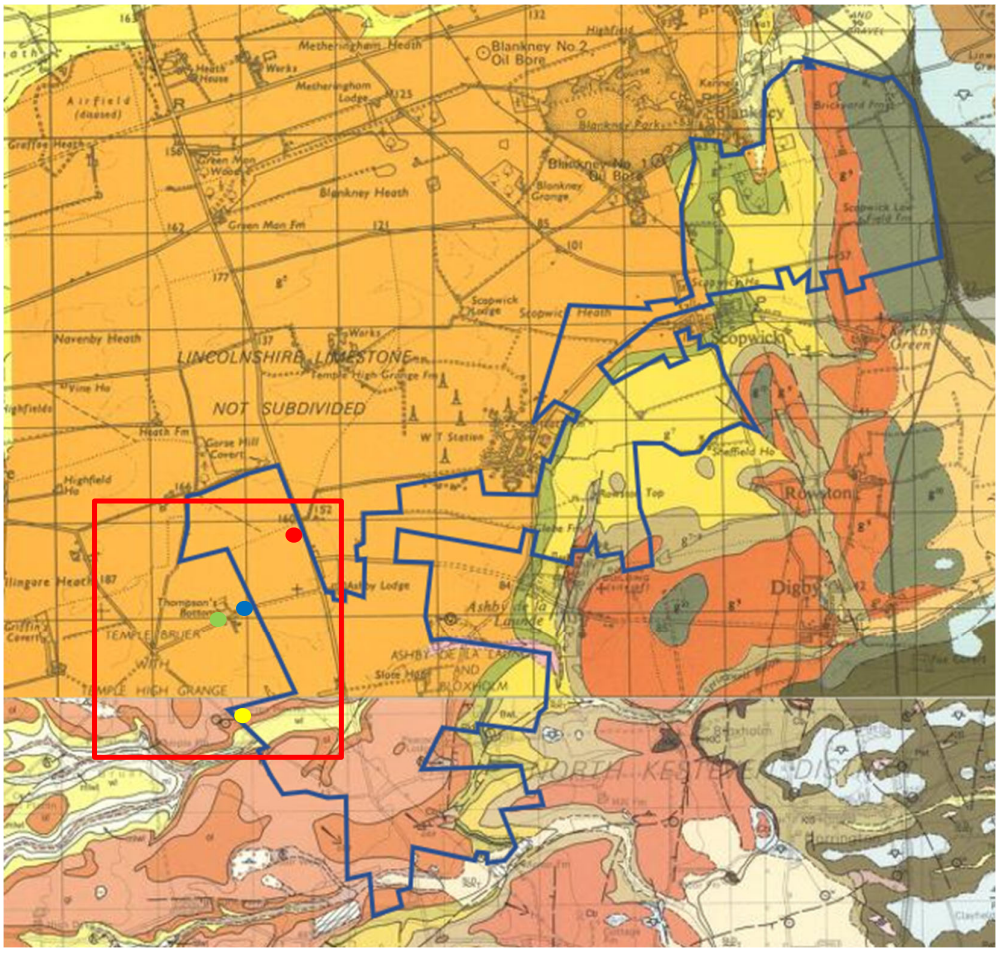


Image 6: Anticipated Geology – Zone D

7.4.2 Radon

The environmental database report indicates that the zone is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 10-30% of homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the zone is considered for future residential development, further assessment will be required, in

line with the guidance provided in BRE publication 211 “Radon: Guidance on Protective Measures for New Dwellings (2015)”.

7.5 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500m of the zone.

7.5.1 Areas of other (rock or mineral) mining

Zone D lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member, and historically there were two stone pits within the zone, one in the southeast in zone D4 and another in the northeast in zone D12, although they are both now disused.

7.6 Hydrogeology

A summary of the hydrogeological setting of the zone, with respect to the anticipated geological sequence, is presented below in **Table 22**.

Table 22 Summary of hydrogeological setting – Zone D

Condition	Description
Aquifer characteristics	Zone D is underlain by a secondary undifferentiated aquifer relating to the superficial Head Deposits in the southwest of the site only, and a principal aquifer relating to the Upper Lincolnshire Limestone Member.
Depth to groundwater and flow	The anticipated depth to the groundwater table is in the order of 25 m below ground level estimated from historic borehole logs in the area. Shallow groundwater in the zone is anticipated to flow in a south-easterly direction, i.e. in line with the local topography.
Groundwater recharge/ attenuation	Most of the zone is currently unsurfaced and will therefore drain directly to ground.
Historical implications for hydrogeology	Historically there was a well present at Warren Houses, and there are historic boreholes located at Warren Houses, Thompsons Bottom, and another in the centre of the zone.
Licensed groundwater abstractions	The environmental database report indicates that there are 5No current licensed groundwater abstractions, of which none are public water supply boreholes within a 1km radius of the zone.
Source protection zones	Information available in the Envirocheck report indicates that the zone does not lie within a currently designated groundwater Source Protection Zone (SPZ).

7.7 Hydrology

A summary of the hydrology within the zone area is summarised in **Table 23**.

Table 23 Summary of hydrology in site area – Zone D

Condition	Description
Surface watercourses/ features	There are no surface watercourses/features on the zone, however there is a small pond approx. 200 m west of Thompsons Bottom.
Surface water abstractions	There are no surface water abstractions identified by the environmental database, within a 1 km radius of the zone.
Site drainage	There is no visible surface drainage within the zone, and water will drain to the ground.
Preliminary flood risk assessment	The floodplain map for the area shows that the zonedoes not lie within any designated floodplain.

7.8 Sensitive land uses

Table 24 provides a summary of any environmentally sensitive areas identified within 250 m of the zone based on the environmental database report.

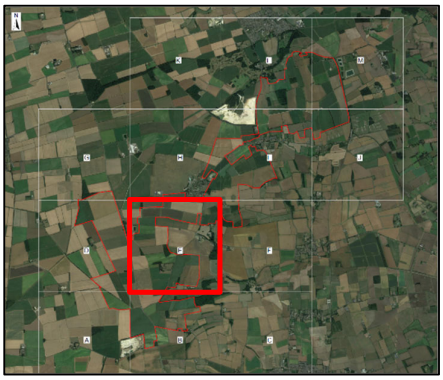
Table 24 Environmentally sensitive areas – Zone D

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	0	0	N/A
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	0	0	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	0	0	N/A

Feature	Present within 250 m of site?	Details	Likely pathways from site?
Nearest high sensitivity development, e.g. residential	Yes	Toll Bar Cottages located on the eastern boundary of the site, and Thompsons Bottom located 200m west of the site.	Direct contact, migration of contaminants.

8 DESK-BASED ASSESSMENT – ZONE E

8.1 Site history

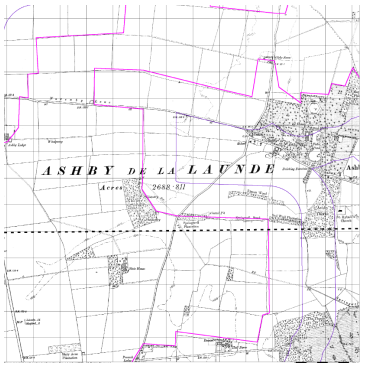
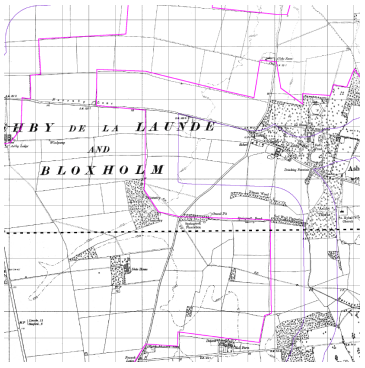
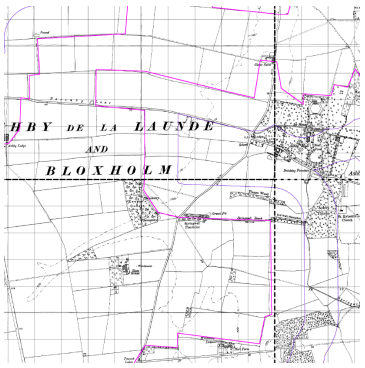


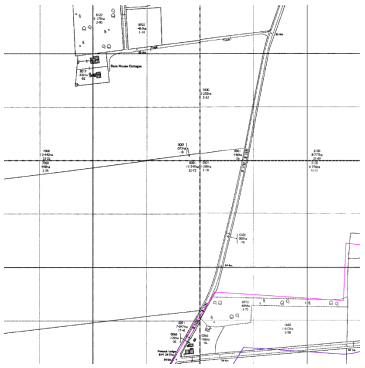
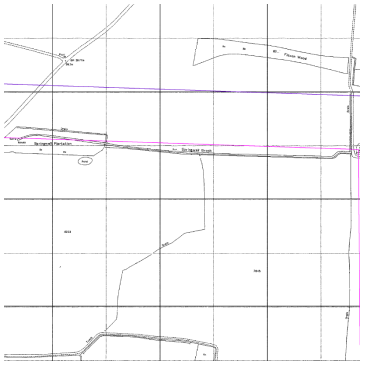
8.1.1 Historical development record

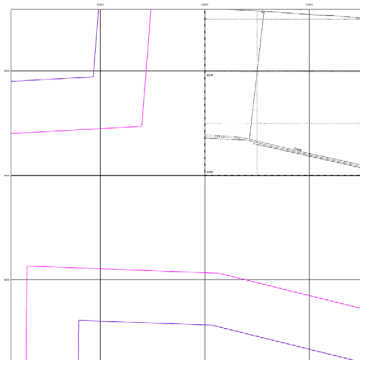
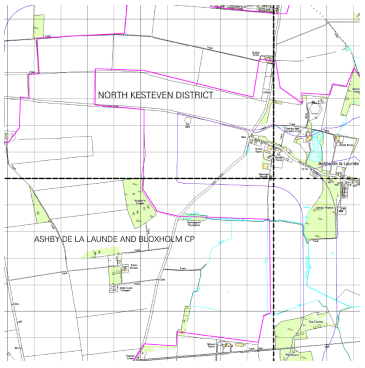
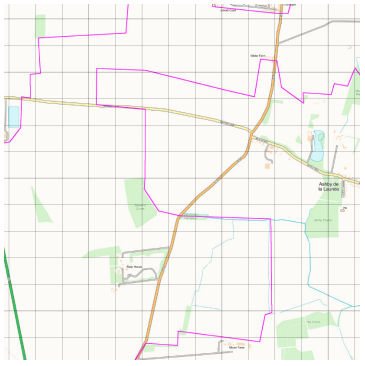
The development history of Zone E and the surrounding area based upon assessment of historical plans and records is detailed in **Table 25**. The historical maps reviewed are shown within the environmental database report in Appendix D5.

Table 25 Summary of historical development – Zone E

Date from	Date to	Historical Land Use (on-site)	Area of site
1887	1888	Zone E is predominantly fields. Glebe Farm is partially on the zone, located in the northeast and adjacent to the boundary in zones E15 and E16. A forested area named Keepers Covert is located in the southeast of the zone (E6), and Sixty Acre Plantation is located in the southwest in zone E1. There is a gravel pit located in the southern portion of the zone (E7), and an Old Stone Pit is located in the northern portion of the zone adjacent to an eastern boundary in zone E10. There is a road running north-to-south in the southwest of the zone (E2, E6), and another road called Navenby Lane running east-to-west in the north of the zone (E9). Some of the grounds associated with Ashby Lodge to the west (E9) encroach onto the site. A watercourse called Springwell Brooke is located in the southern portion of the zone along a northern boundary, adjacent to the east of Springwell Plantation and running through zone E7.	
1889	1904	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1905	1906	Keepers Covert (E6) is now labelled as a Pheasantry. There is a windpump located approximately 300 m east of Ashby Lodge in zone E9. There is a small pond located within a forested area, north of Hall Farm in zone E3.	
1907	1949	Data Gap	
1950	1951	There is a small pond to the south of Springwell Plantation in zone E7.	
1952	1955	Data Gap	
1956		There is a windpump in the northeastern corner of the site in E16, and there are now some buildings present here.	
1957	1978	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1979		Pylons are now present in the southwest corner of the site.	
1980	1984	Data Gap	
1985		There are some drains labelled in the southeast portion of the site (E3 and E7), which appear to drain into Springwell Brook. There is a sewage works located 310 m east of the site (E11).	
1986	1993	Data Gap	
1994		No Change	
1995		Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1996		No Change	
1997	1999	Data Gap	
2000		No Change	
2001	2021	Data Gap	
2022		No Change	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1887	1888	Whilst Slate House is located within the footprint of the site (in zone E6), it is not included within the official redline site boundary and does not form a part of 'the site' in this report. The village of Ashby de la Launde is located approximately 500 m east of the zone. There are numerous forested areas, namely Ashby Thorns and Sod Wall Plantation which are both located in E8, and Flaxen Wood located on E7, and The Mount approximately 150m east of the site in zone E4. There is a fish pond located in the centre of Ashby de la Launde, a drinking fountain in the south of	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
		the village and a school and a smithy in the west of the village. St Hybald's Church is located 500 m east of the zone, just beyond Ashby Thorns. There is an Old Stone Pit located 250 m east of the zone along Navenby Lane, and a Gravel Pit in the southern portion of the zone, along the northern boundary at Springwell Plantation. Top Farm is located 20 m south of the zone in the southeast corner, and the property has a Dovecot. Peacock Lodge is located immediately east of the zone in the south, and there is also an Old Stone Pit here. Peacock Lodge is located in the south-east corner of the zone.	
1889	1904	Data Gap	
1905	1906	There has been some construction next to the school in Ashby de la Launde (E11), and Top Farm (E3) is now named Hall Farm. There is now a pump at Slate House (E6), and a small structure has been added to south of the Slate House estate.	
1907	1949	Data Gap	
1950	1951	A structure has been built just south of the Slate House estate. No other significant change.	
1952	1955	Data Gap	
1956		Some houses have been built approximately 50m north of Hybald's Church in zone E8. There is a windpump on the Slate House Estate in zone E6.	
1957	1978	Data Gap	
1979		Hall Farm in zone E3 is now called Mount Farm, and the zone has been redeveloped/reconfigured. There is a pump house located approx. 100 m west of Mount Farm. There has been some development within the village, more structures are present and there is now a Water Tower and two pumps are labelled in zone E12, and there is a sewage works located in zone E11 approximately 300 m north of the south portion of the site. There has been some residential development north east of the zone immediately above the northern boundary in zone E15. The structures south of the original Slate House buildings are labelled as Slate House Cottages, and there has been some development and reconfiguration at Slate House itself.	
1980	1984	Data Gap	
1985		Drains are now labelled in the south east of the site. No other significant changes.	
1986	1993	Data Gap	
1994		No Change	
1995	1999	Data Gap	
2000		Another building has been constructed at Mount Farm in zone E3, and it appears as though some more houses have been built in the village just north of St Hybald's Church.	
2001	2021	Data Gap	
2022		No Change	
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐			

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.			

There has never been any significant development on the site with the exception of the road construction. The most likely source of any potential contamination would be associated with the agricultural land use of the site, and the use of herbicides, pesticides and fertilisers. The most significant off-site source of potential contamination would be the sewage works located in zone E11, as well as the farms around the site boundary.

The gravel pit and stone quarry identified in zones E7 and E10 respectively are presumed to have been infilled with inert and/or natural material, however there lies the potential for more onerous material to have been used.

8.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D5) are summarised below in **Table 26**.

Table 26 Summary of environmental permits, landfills and incidents – Zone E

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Discharge consents	1	1	1	On site NE: Mr D H Cutmore, Proposed Annex Glebe Farm, Ref. Pr3lf928, 26/10/1988 – 16/05/1997, Land/Soakaway, Into Land. 24 m SE: North Kesteven District Council, Domestic Property, Ref. Pr3lfu31, 10/02/1966 – 01/10/1996, Onto Land. 310 m E: Anglian Water Services Limited, Sewage Treatment Works, Ref. Aw3nff671, 14/12/1984, Sewage Discharges, Freshwater Stream/River, Springwell Brook River Witham. 489 m E: Anglian Water Services Limited, Pumping Station on Sewerage Network, Aw3nff700, 30/05/1968, Freshwater Stream/River, Springwell Beck.
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Historic / closed landfills	0	0	0	N/A
Other waste management licences	0	0	0	N/A
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	2	0	42 m S: Ray Wright (Feeds) Ltd, Pet Foods & Animal Feeds, Inactive 45 m NE: Wrinkle Free Laundry, Ironing & Home Laundry Services, Inactive
Fuel station entries	0	0	0	N/A
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

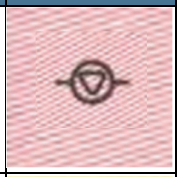
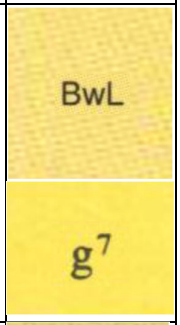
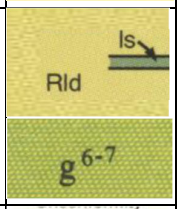
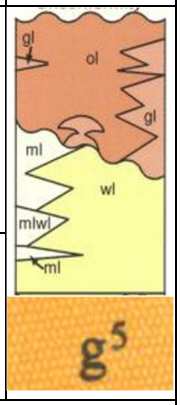
No potential sources of contamination have been identified from the environmental database report for Zone E.

8.3 Site geology

8.3.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of Zone E to be characterised by the succession recorded in **Table 27**.

Table 27 Site geology – Zone E

Strata	Description	Estimated thickness	Permeability	Map Legend
Sleaford Sand and Gravel (central west portion of the site)	Sand and Gravel	Variable	Permeable	
Blisworth Limestone Member	Pale grey to off-white or yellowish limestones with thin marls and mudstones, fossiliferous, bioturbated peloidal, ooidal and shell-fragmental more-or-less argillaceous packstones and wackestones, subordinate cross-bedded ooidal shell-fragmented grainstones.	Typically 6 – 7 m	Permeable	
Rutland Formation	Grey marine mudstone passing up into non-marine mudstone and siltstone, with a greenish-grey rootlet bed at the top. Occasional limestone beds (ls)	Typically 8 – 12 m	Permeable	
Upper Lincolnshire Limestone Member	Limestone, mainly coarse grained ooidal grainstones (ol), with subsidiary limestones of other types (gl) including fine to medium grained grainstone, recrystallized limestone and possible reef knolls	Up to 15 m	Permeable	
Lower Lincolnshire Limestone Member	Limestones, dominated by low-energy calcilutite and peloidal wackestone (wl) and packstone. With subsidiary carbonate mudstone (ml).	Up to 20 m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the majority of the site has never been developed, and therefore widespread Made Ground would not be anticipated. There may be some

Made Ground in the vicinity of the Old Stone Pit in E10 and the Gravel Pit in E7, as well as around the roads.

The site would be expected to be directly underlain by a limited thickness of topsoil.

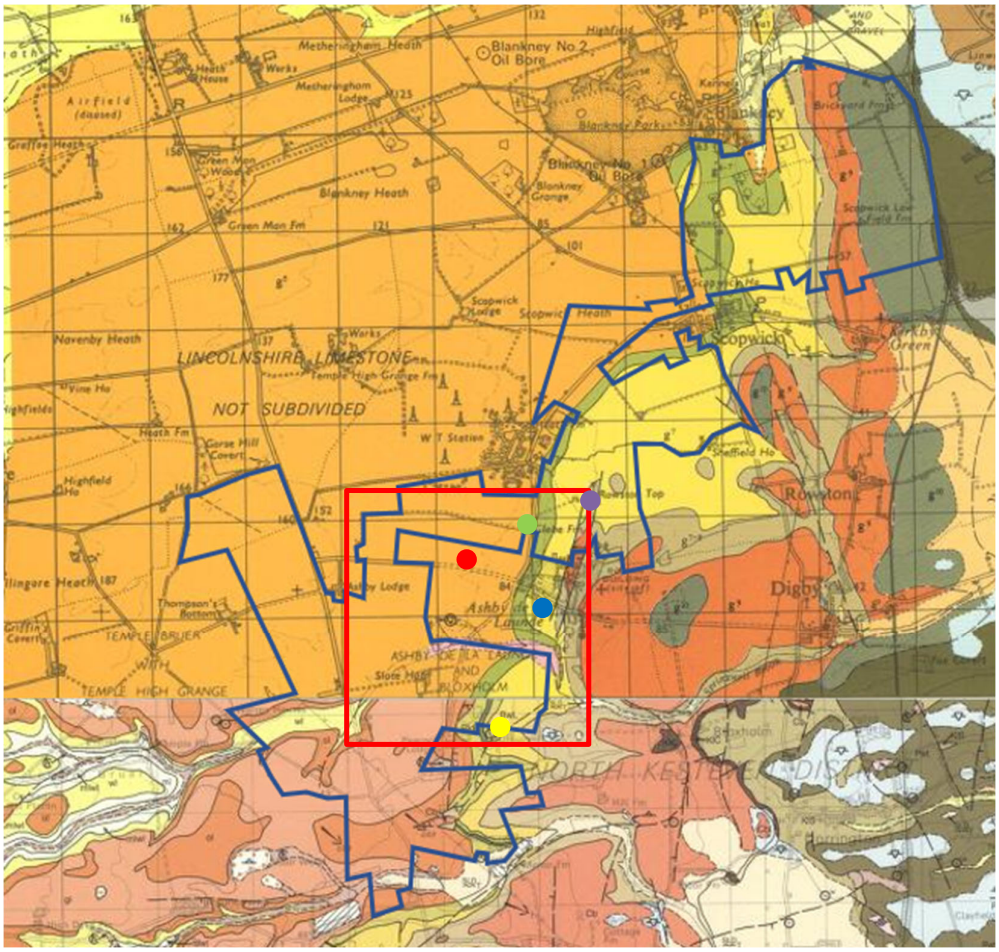


Image 7: Anticipated Geology – Zone E

A summary of historical BGS borehole records within and near the zone are provided in **Table 28** below.

Table 28 Summary of BGS borehole records – Zone E

Borehole ref	Depth (m)	Map Legend
TF05 NW19	11.00	
TF05 NE10/A	38.00	
TF05 SW2	27.43	
TF05 NW40	25.12	

Borehole ref	Depth (m)	Map Legend
TF05 NE4	34.00	

A copy of these borehole logs is presented in Appendix E.

8.3.2 Radon

The environmental database report indicates that the zone is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 5-10% of homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the zone is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 "Radon: Guidance on Protective Measures for New Dwellings (2015)".

8.4 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500 m of the zone.

8.4.1 Areas of other (rock or mineral) mining

The site lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member, and historically there were two pits within the zone, one Gravel Pit in the southeast of the zone (E7) and one Old Stone Pit in the northeast of the zone (E10).

8.5 Hydrogeology

A summary of the hydrogeological setting of the zone, with respect to the anticipated geological sequence set out in Section 4.3 is presented below in **Table 29**.

Table 29 Summary of hydrogeological setting – Zone E

Condition	Description
Aquifer characteristics	Zone E is underlain by a Secondary A Aquifer relating to the Sleaford Sand and Gravel, and a Principal Aquifer relating to the Lincolnshire Limestone Member.

Condition	Description
Depth to groundwater and flow	The anticipated depth to the groundwater table is in the order of 14 m below ground level estimated from historic borehole logs in the area. Shallow groundwater in the site area is anticipated to flow in a south-easterly direction, i.e. in line with the local topography. Localised shallow groundwater may be present within superficial granular deposits such as the Sleaford Sand and Gravel.
Groundwater recharge/ attenuation	Most of the zone is currently unsurfaced and will therefore drain directly to ground.
Licensed groundwater abstractions	The environmental database report indicates that there are no current licensed groundwater abstractions within a 1 km radius of the zone.
Source protection zones	Information available in the Envirocheck report indicates that the zone does not lie within a currently designated groundwater Source Protection Zone (SPZ).

8.6 Hydrology

A summary of the hydrology within the zone is summarised in **Table 30**.

Table 30 Summary of hydrology in site area – Zone E

Condition	Description
Surface watercourses/ features	The nearest surface watercourse to the zone is Springwell Brook located within the zone in the east, along the northern boundary and adjacent to Springwell Plantation. This seems to form part of a drainage network.
Surface water abstractions	There are no surface water abstractions identified by the environmental database, within a 1 km radius of the zone.
Site drainage	Some drainage ditches around the zone connect to Springwell Brook.
Preliminary flood risk assessment	The floodplain map for the area shows that the southeastern portion of the zone, east of the B1191, lies within flood zones 2 and 3. This indicates that the zone may be subject to flooding and extreme flooding from rivers without defences.

8.7 Sensitive land uses

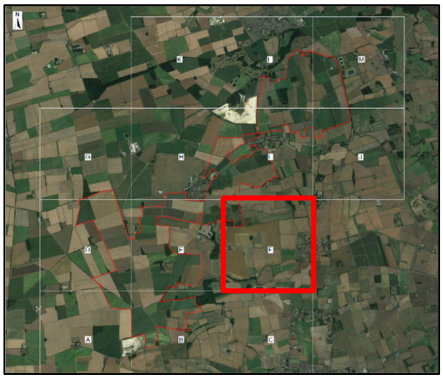
Table 31 provides a summary of any environmentally sensitive areas identified within 250 m of the zone based on the environmental database report.

Table 31 Environmentally sensitive areas – Zone E

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	0	0	N/A
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	0	0	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	0	0	N/A
Nearest high sensitivity development, e.g. residential	Yes	Slate House, Mount Farm, Ashby Lodge and Glebe Farm.	Direct contact, migration of contaminants.

9 DESK-BASED ASSESSMENT – ZONE F

9.1 Site history

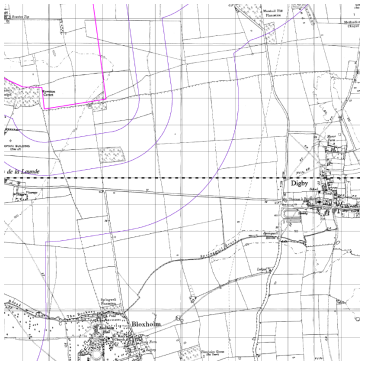
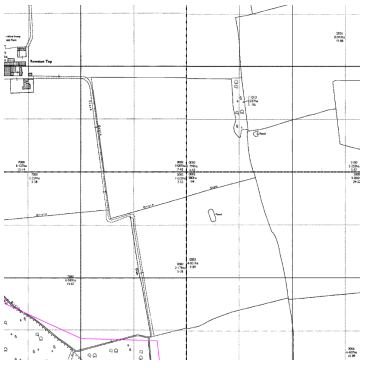


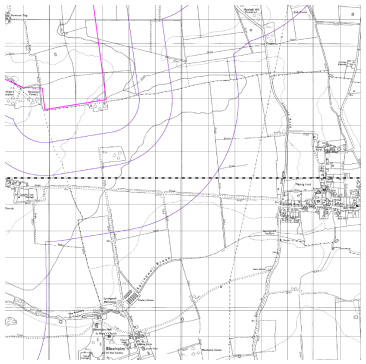
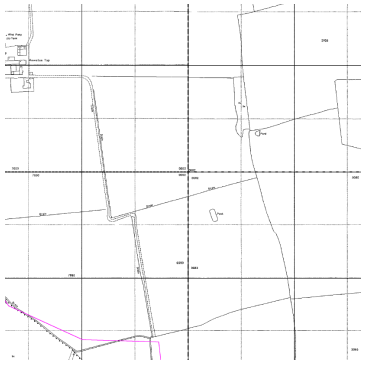
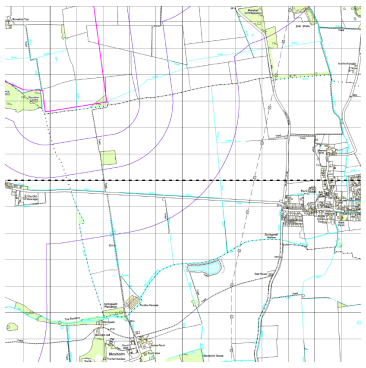
9.1.1 Historical development record

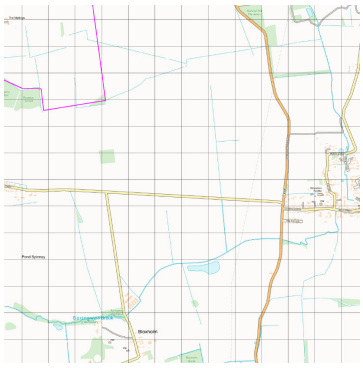
The development history of Zone F and the surrounding area based upon assessment of historical plans and records is detailed in **Table 32**. The historical maps reviewed are shown within the environmental database report in Appendix D6.

Table 32Summary of historical development – Zone F

Date from	Date to	Historical Land Use (on-site)	Area of site
1887	1888	Zone F is predominantly fields. There is an Old Stone Pit in the centre of the zone (F13), and a forested area called The Gorse located west of the Old Stone Pit but also within zone F13. There is an estate called Rowston Top in the northwest of the site (which is not included within the site redline boundary and will be considered as off-site moving forward). There is a small forested area in the north east of the zone, and there is a small pond located adjacent to it, all also within zone F13.	
1889	1904	Data Gap	
1905	1906	No Change	
1907	1946	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1947	1951	No Change	
1952	1955	Data Gap	
1956		The Gorse is no longer present as a forested area.	
1957	1978	Data Gap	
1979		There is track leading to/from Rowston Top, and there is a drain running alongside it. There is a pond in the centre of the zone where the Old Stone Pit used to be.	
1980	1984	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1985		No Change	
1986	1993	Data Gap	
1994		The forested area in the east of the site is gone.	
1995	1999	Data Gap	
2000		No Change	
2001	2021	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
2022		Rowston Top has been renamed The Maltings.	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1887	1888	The surrounding area is predominantly fields and plantations. There is a road running east to west approximately 600 m south of the zone, and there is a vicarage located 650 m southwest of the zone with some buildings. There is another road running north to south approximately 1 km east of the zone, named Lincoln Road. The hamlet of Bloxholm is located approximately 1.5 km south of the zone and the village of Digby is located approximately 1.5 km southeast. There is a small forested area located immediately adjacent to the south eastern boundary of the zone, and within this area there is a small pond. There is another small pond located 500 m east of the zone. Marshall Hill Plantation is located approximately 750 m northeast of the zone.	
1889	1904	Data Gap	
1905	1906	No Change	
1907	1949	Data Gap	
1950	1951	No Change	
1952	1955	Data Gap	
1956		The site of a Roman Building is located approximately 350 m south of the zone. No other significant change.	
1957	1978	Data Gap	
1979		No Change	
1980	1984	Data Gap	
1985		There are drains labelled on the maps east of the zone, 900 m southeast, and also running parallel alongside the road located 600 m south of the zone.	
1986	1993	Data Gap	
1994		No Change	
1995	1999	Data Gap	
2000		A track is running from the south east corner of the zone boundary running in a north to south direction.	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
2001	2021	Data Gap	
2022		No Change	
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐			
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.			

There has been no historical development within the zone, and therefore the primary source of any potential contamination would be associated with the agricultural land use of the site, although there is also a small Old Stone Pit on the site which represents some level of historic quarrying.

The stone quarry identified in zone F13 is presumed to have been infilled with inert and/or natural material, however there lies the potential for more onerous material to have been used.

9.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D6) are summarised below in **Table 33**.

Table 33 Summary of environmental permits, landfills and incidents – Zone F

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Discharge consents	1	0	0	On Site: Miss L Pickett & Mr S Purdie, Domestic Property, The Maltings & The Granary & The Hayloft, Ref. Prnnf18151, 16/06/2004, Sewage Discharges (final treated effluent), into freshwater stream.
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A
Historic / closed landfills	0	0	0	N/A
Other waste management licences	0	0	0	N/A
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Contemporary trade directory entries	0	0	0	N/A
Fuel station entries	0	0	0	N/A
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

No potential sources of contamination have been identified from the environmental database report for Zone F.

9.3 Information from regulatory authorities

9.3.1 Site services

Buried utility services and their backfill can provide preferential pathways for gas, vapour or groundwater to migrate along to another part of the site or to a receptor. They can also represent significant constraints to development.

Obtaining a full set of service plans was outside the scope of this report. Services identified on-site during the walkover are detailed in section 17.

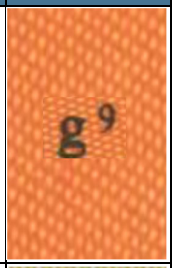
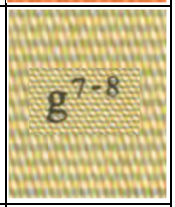
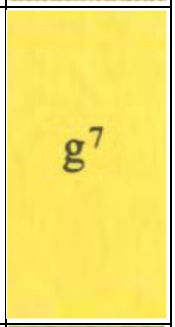
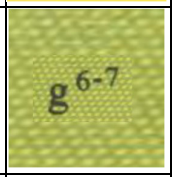
9.4 Site geology

9.4.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in **Table 34**.

Table 34 Site geology – Zone F

Strata	Description	Estimated thickness	Permeability	Map Legend
No Superficial Deposits				

Strata	Description	Estimated thickness	Permeability	Map Legend
Cornbrash Formation (south of the site only)	Limestone, medium to fine grained, predominantly bioclastic wackestone and packstone with sporadic peloids. Thin argillaceous partings or interbeds of argillaceous mudstone may occur.	2 m – 4 m	Permeable	
Blisworth Clay Formation	Silicate-mudstone, grey, commonly variegated purplish red, yellow and green, poorly bedded to blocky. Mudstone weathers to a highly plastic clay.	2 m – 4 m	Impermeable	
Blisworth Limestone Member	Pale grey to off-white or yellowish limestones with thin marls and mudstones, fossiliferous, bioturbated peloidal, ooidal and shell-fragmental more-or-less argillaceous packstones and wackestones, subordinate cross-bedded ooidal shell-fragmented grainstones.	Typically 6 – 7 m	Permeable	
Rutland Formation	Grey marine mudstone passing up into non-marine mudstone and siltstone, with a greenish-grey rootlet bed at the top.	Typically 8 – 12 m	Permeable	
Upper Lincolnshire Limestone Member	Limestone, mainly coarse grained ooidal grainstones, with subsidiary limestones of other types including fine to medium grained grainstone, recrystallized limestone and possible reef knolls	Up to 15 m	Permeable	
Lower Lincolnshire Limestone Member	Limestones, dominated by low-energy calcilutite and peloidal wackestone and packstone. With subsidiary carbonate mudstone.	Up to 20 m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the majority of the site has never been developed, and therefore widespread Made Ground would not be anticipated. There may be some Made Ground in the vicinity of the Old Stone Pit located in zone F13.

The site would be expected to be directly underlain by a limited thickness of topsoil.

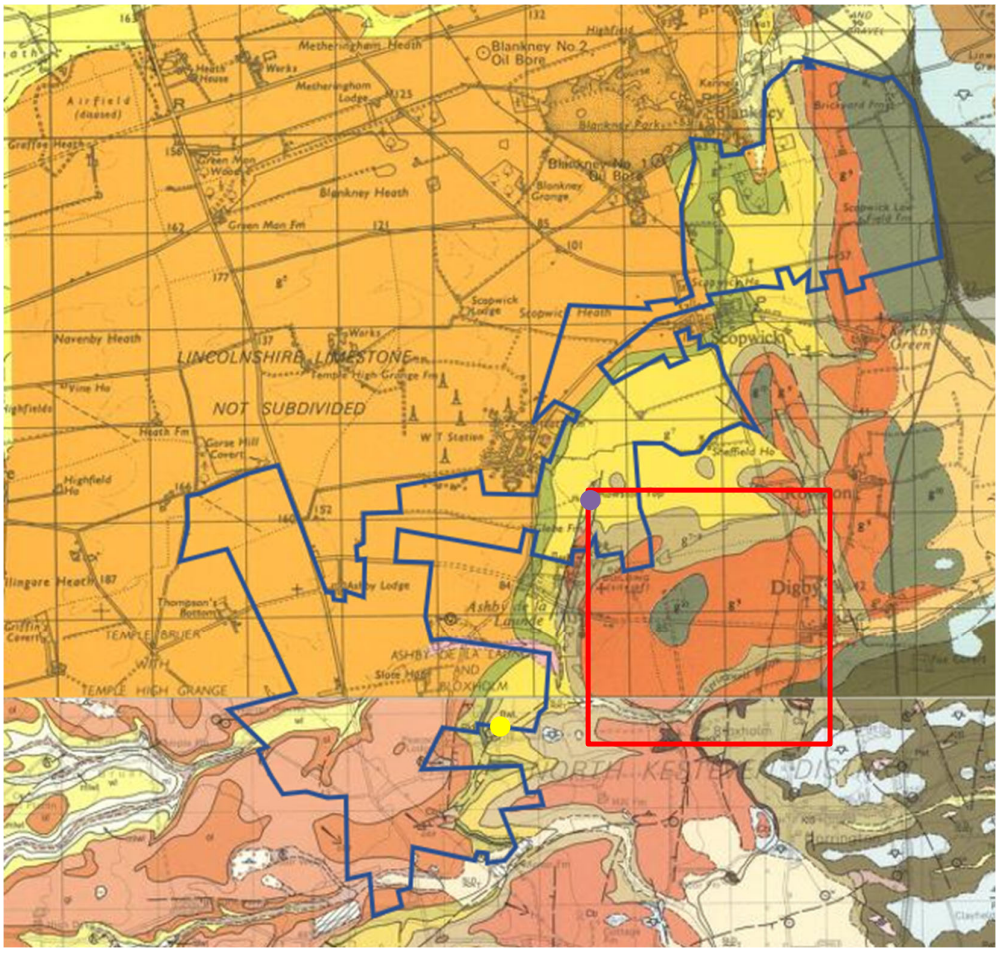


Image 8: Anticipated Geology – Zone F

A summary of pertinent historical BGS borehole records within and near the zone are provided in **Table 35** below.

Table 35 Summary of BGS borehole records – Zone F

Borehole ref	Depth (m)	Map Legend
TF05 NE4	34.00	

A copy of this borehole log is presented in Appendix E.

9.4.2 Radon

The environmental database report indicates that the zone is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 3-5% of homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the zone is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 “Radon: Guidance on Protective Measures for New Dwellings (2015)”.

9.5 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500m of the zone.

9.5.1 Areas of other (rock or mineral) mining

The zone lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member and the Blisworth Limestone Member, and historically there was an Old Stone Pit in the centre of the zone (F13).

9.6 Hydrogeology

A summary of the hydrogeological setting of the zone, with respect to the anticipated geological sequence, is presented below in **Table 36**.

Table 36 Summary of hydrogeological setting – Zone F

Condition	Description
Aquifer characteristics	Zone F is underlain by a Secondary A Aquifer relating to the Cornbrash Formation, a Principal aquifer relating to the Blisworth Limestone Formation, and unproductive strata relating to the Blisworth Clay Formation. The potential presence of low permeability clay at relatively shallow depths beneath the zone, while restricting downwards migration, may increase the potential for lateral migration of shallow groundwater (and therefore mobile contamination, if present).
Depth to groundwater and flow	The anticipated depth to groundwater is in the order of 13m below ground level estimated from BGS Logs. Shallow groundwater in the zone area is anticipated to flow in an easterly direction, i.e. in line with local topography and in the direction of the River Witham.
Groundwater recharge/ attenuation	Most of the zone is currently unsurfaced and will therefore drain directly to ground.
Historical implications	There are multiple small ponds on and around the zone (two within the zone and two off site), and there are two historic boreholes which are located within the zone at The Maltings.

Condition	Description
for hydrogeology	
Licensed groundwater abstractions	The environmental database report indicates that there are no groundwater abstractions within a 1 km radius of the zone.
Source protection zones	Information available in the Envirocheck report indicates that the zone does not lie within a currently designated source protection zone (SPZ).

9.7 Hydrology

A summary of the hydrology within the zone area is summarised in **Table 37**.

Table 37 Summary of hydrology in site area – Zone F

Condition	Description
Surface watercourses/ features	There are two ponds within the zone and another two ponds located 10 m southeast and 500 m east of the zone respectively. There are drainage ditches located within the zone and to the east of the zone.
Surface water abstractions	The environmental database report indicates that there are no surface water abstractions within a 1 km radius of the zone.
Site drainage	Evidence from the Envirocheck report indicated that drainage ditches/streams are present on the zone and in the surrounding area.
Preliminary flood risk assessment	The indicative floodplain map for the area shows that the zone does not lie within any designated floodplains.

9.8 Sensitive land uses

Table 38 provides a summary of any environmentally sensitive areas identified within 250 m of the zone based on the environmental database report.

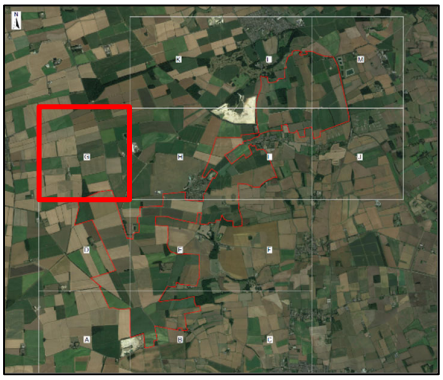
Table 38 Environmentally sensitive areas – Zone F

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	0	0	N/A

Feature	Present within 250 m of site?	Details	Likely pathways from site?
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	0	0	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	0	0	N/A
Nearest high sensitivity development, e.g. residential	1	The Maltings, located on site in the north west.	Direct contact, migration of potential contaminants.

10 DESK-BASED ASSESSMENT – ZONE G

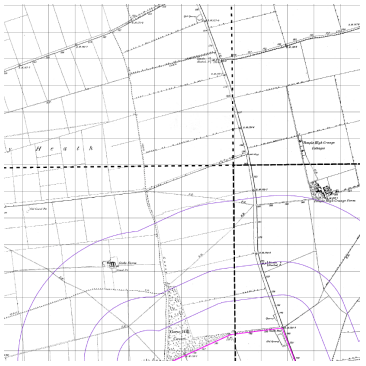
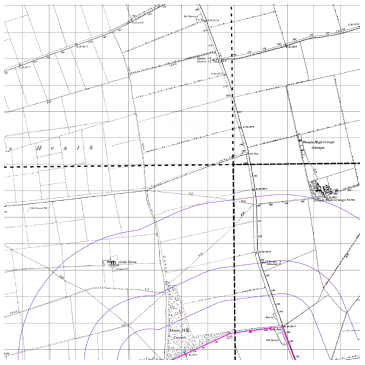
10.1 Site history

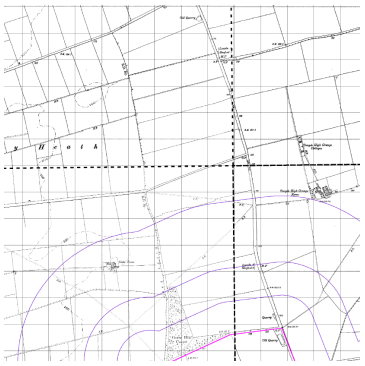
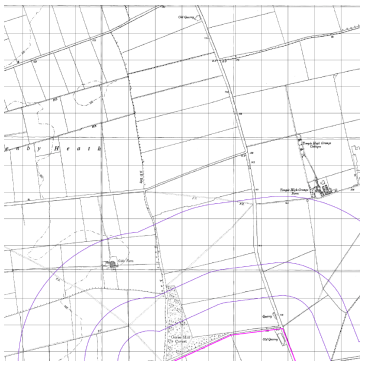
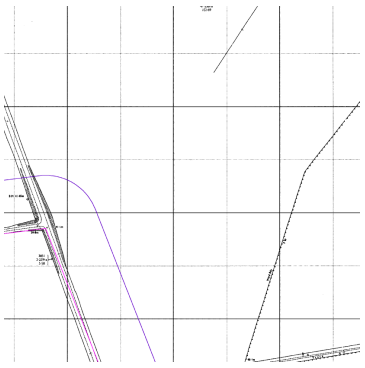


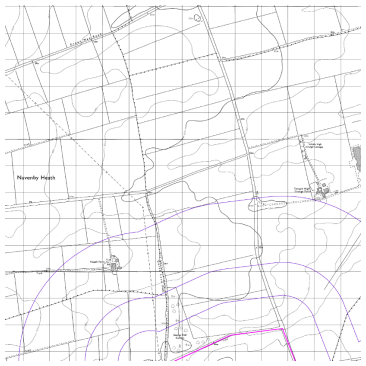
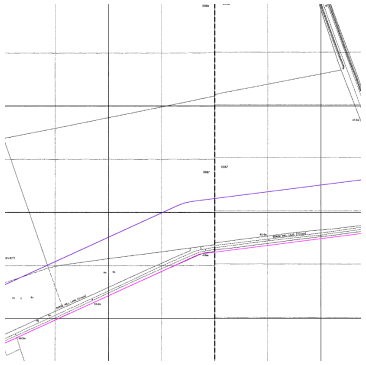
10.1.1 Historical development record

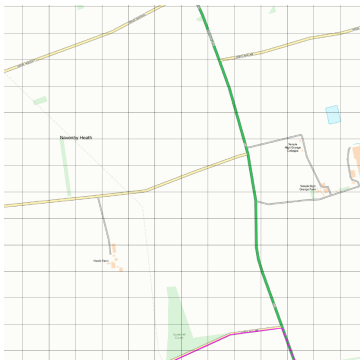
The development history of Zone G and the surrounding area based upon assessment of historical plans and records is detailed in **Table 39**. The historical maps reviewed are shown within the environmental database report in Appendix D7.

Table 39Summary of historical development – Zone G

Date from	Date to	Historical Land Use (on-site)	Area of site
1887	1888	Zone G is predominantly fields. There is an old quarry located in the northeast corner of the site in zone G4, as well as a guidepost.	
1889	1904	Data Gap	
1905	1906	No Change	
1907	1946	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1947	1951	No Change	
1952	1955	Data Gap	
1956		No Change	
1957	1979	Data Gap	
1980		The quarry located in the northeast corner of the site in zone G4 is no longer present.	
1980	1984	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1985		No Change	
1986	1993	Data Gap	
1994		No Change	
1995	1999	Data Gap	
2000		No Change	
2001	2021	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
2022		No Change	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1887	1888	The surrounding land is predominantly fields. Gorse Hill Covert is located immediately adjacent to the zone to the north in zones G2 and G3, and there is one road located immediately adjacent to the zone to the east (G4), running in a north-to-south direction (G4), one running east-to-west called Gorse Hill Lane immediately beyond the northern boundary of the zone, and another also running in a north to south direction immediately to the west of the zone called Gorse Lane (G2). There is a small quarry located approximately 100 m northeast of the zone (G4). Another Glebe Farm (not the same as mentioned in Zone E) is located 800 m northwest of the zone, and there is also a Gravel Pit located here, immediately south of the buildings. There is a farm called Temple High Grange Farm located 1 km northeast of the zone, which constitutes multiple buildings and associated landscaping.	
1889	1904	Data Gap	
1905	1906	No Change	
1907	1946	Data Gap	
1947	1951	No Change	
1952	1955	Data Gap	
1956		No Change	
1957	1978	Data Gap	
1979	1980	There are now pylons running in a north to south direction northwest of the zone.	
1981	1984	Data Gap	
1985		Glebe Farm is now called Heath Farm and has been reconfigured/redeveloped. No other significant changes.	
1986	1993	Data Gap	
1994		No Change	
1995	1999	Data Gap	
2000		No Change	

2001	2021	Data Gap
2022		No Change
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐		
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.		

There has been no historical development on site, and any potential contamination on this site would likely be associated with its agricultural land use, or perhaps with the Old Quarry in zone G4.

The stone quarry identified in zone G4 is presumed to have been infilled with inert and/or natural material, however there lies the potential for more onerous material to have been used.

10.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D7) are summarised below in **Table 40**.

Table 40 Summary of environmental permits, landfills and incidents – Zone G

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	0	N/A
Discharge consents	0	0	0	N/A
Registered radioactive substances	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Landfill and waste				
Active landfills	0	0	0	N/A
Historic / closed landfills	0	0	0	N/A
Other waste management licences	0	0	0	N/A
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	2	0	N/A
Fuel station entries	0	0	0	N/A
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

No potential sources of contamination have been identified from the environmental database report for Zone G.

10.3 Information from regulatory authorities

10.3.1 Site services

Buried utility services and their backfill can provide preferential pathways for gas, vapour or groundwater to migrate along to another part of the site or to a receptor. They can also represent significant constraints to development.

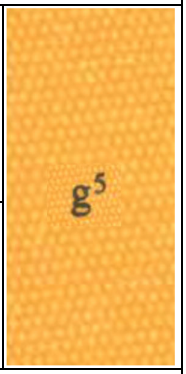
Obtaining a full set of service plans was outside the scope of this report. Services identified on-site during the walkover are detailed in section 17.

10.4 Site geology

10.4.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in **Table 41**.

Table 41 Site geology – Zone G

Strata	Description	Estimated thickness	Permeability	Map Legend
No Superficial Deposits				
Upper Lincolnshire Limestone Member	Limestone, overwhelmingly dominated by high-energy ooidal and shell fragmental grainstones, but includes secondarily recrystallised and micritized lithologies.	Up to 15 m	Permeable	
Lower Lincolnshire Limestone Member	Limestones, dominated by low-energy calcilutite and and peloidal wackestone and packstone. With subsidiary carbonate mudstone.	Up to 20 m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the site has never been developed, and therefore widespread Made Ground would not be anticipated. There may be some Made Ground in the vicinity of the Old Quarry located in zone G4.

The site would be expected to be directly underlain by a limited thickness of topsoil.

A summary of historical BGS borehole records within and near the zone are provided in **Table 42** below.

Table 42 Summary of BGS borehole records – Zone G

Borehole ref	Depth (m)	Map Legend
TF05 NW38	28.71	

A copy of these borehole logs is presented in Appendix E.

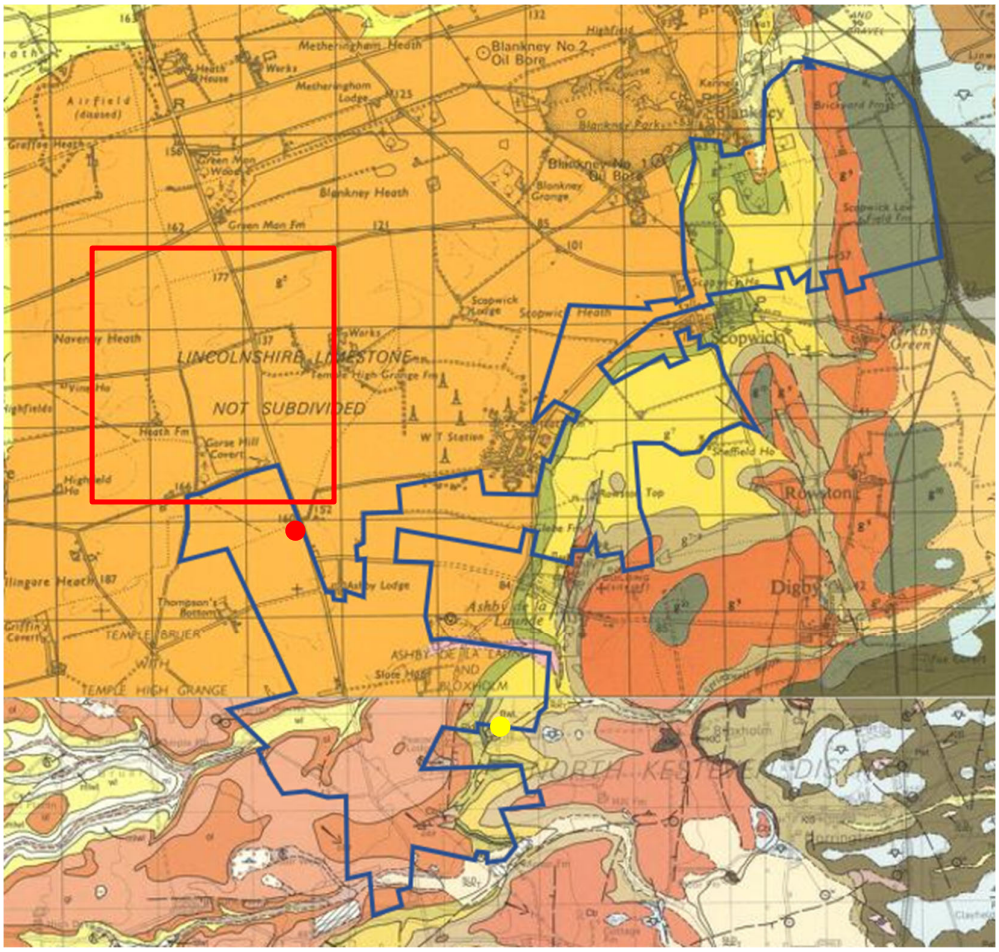


Image 9: Anticipated Geology – Zone G

10.4.2 Radon

The environmental database report indicates that the zone is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 10-30% of homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces,

such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the zone is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 “Radon: Guidance on Protective Measures for New Dwellings (2015)”.

10.5 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500 m of the zone.

10.5.1 Areas of other (rock or mineral) mining

Zone G lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member and the Blisworth Limestone Formation, and historically there was an Old Quarry within zone G4, as well as an Old Quarry 100 m northeast of the zone.

10.6 Hydrogeology

A summary of the hydrogeological setting of the zone, with respect to the anticipated geological sequence, is presented below in **Table 43**.

Table 43 Summary of hydrogeological setting – Zone G

Condition	Description
Aquifer characteristics	Zone G is underlain by a Principal Aquifer relating to the Upper Lincolnshire Limestone Member. The potential presence of low permeability clay at relatively shallow depths beneath the zone, while restricting downwards migration, may increase the potential for lateral migration of shallow groundwater (and therefore mobile contamination, if present).
Depth to groundwater and flow	The anticipated depth to groundwater is in the order of 26 m below ground level estimated from BGS Logs. Shallow groundwater in the zone area is anticipated to flow in a southeasterly direction, i.e. in line with local topography and in the direction of the River Witham.
Groundwater recharge/ attenuation	Most of the zone is currently unsurfaced and will therefore drain directly to ground.
Licensed groundwater abstractions	The environmental database report indicates that there is one groundwater abstraction within a 1km radius of the zone, which is used for general farming and domestic purposes.
Source protection zones	Information available in the Envirocheck report indicates that the zone does not lie within a currently designated source protection zone (SPZ).

10.7 Hydrology

A summary of the hydrology within the zone area is summarised in **Table 44**.

Table 44 Summary of hydrology in site area – Zone G

Condition	Description
Surface watercourses/ features	There are no watercourses or water features on or adjacent to the zone, with the closest watercourse most likely being a stream running through the village of Scopwick, located approximately 4 km to the east.
Surface water abstractions	The environmental database report indicates that there are no surface water abstractions within a 1 km radius of the zone.
Site drainage	There are no drains shown on the maps for this area, and therefore the zone is anticipated to drain directly to the ground.
Preliminary flood risk assessment	The indicative floodplain map for the area shows that the site does not lie within any designated floodplains.

10.8 Sensitive land uses

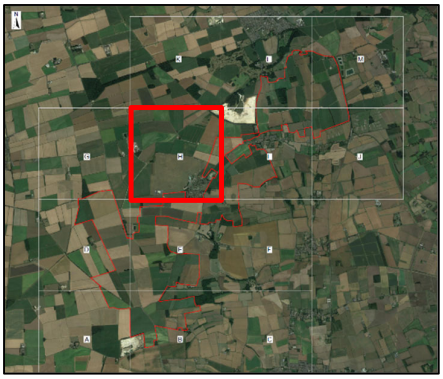
Table 45 provides a summary of any environmentally sensitive areas identified within 250 m of the zone based on the environmental database report.

Table 45 Environmentally sensitive areas – Zone G

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	0	0	N/A
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	0	0	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	0	0	N/A
Nearest high sensitivity development, e.g. residential	1	The Maltings, located within the zone to the north west.	Direct contact, migration of potential contaminants.

11 DESK-BASED ASSESSMENT – ZONE H

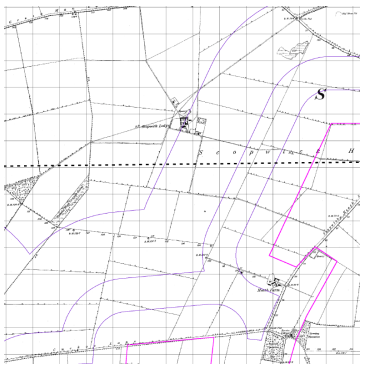
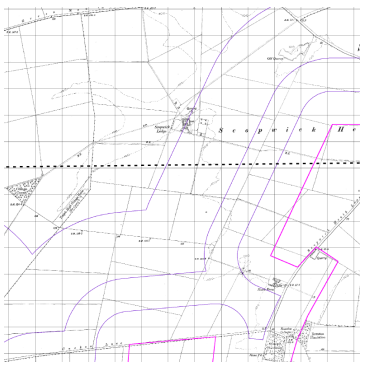
11.1 Site history

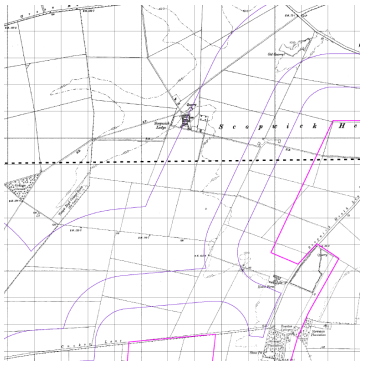
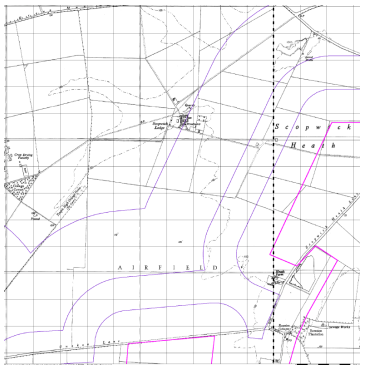
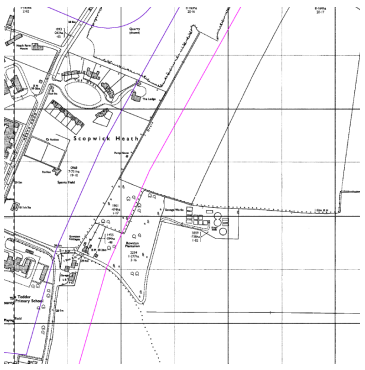


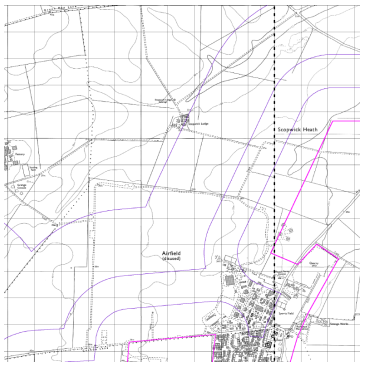
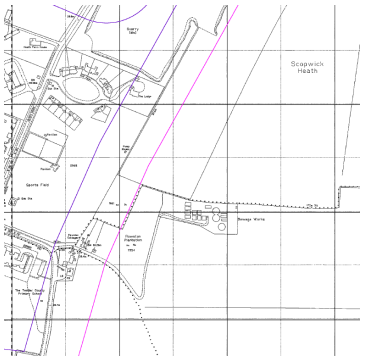
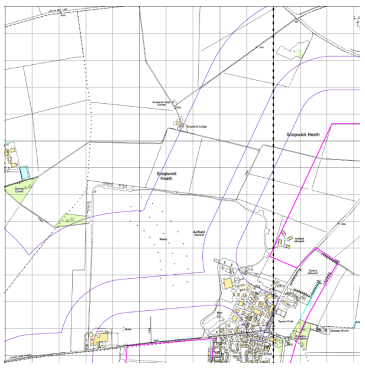
11.1.1 Historical development record

The development history of Zone H and the surrounding area based upon assessment of historical plans and records is detailed in **Table 46**. The historical maps reviewed are shown within the environmental database report in Appendix D8.

Table 46Summary of historical development – Zone H

Date from	Date to	Historical Land Use (on-site)	Area of site
1887	1888	The zone boundary cuts through Rowston Plantation, and a small pond feature is located south of Rowston Plantation, both within zone H4.	
1889	1904	Data Gap	
1905	1906	No significant change	
1907	1946	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1947	1951	There are some unidentified structures located in the south of the zone (H4), east of Rowston Plantation.	
1952	1955	Data Gap	
1956		The unidentified structures are labelled as a sewage works. These sewage works are not included within the site redline boundary and will subsequently be referred to as an offsite feature going forward.	
1957	1978	Data Gap	
1979	1980	No significant change	
1981	1984	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1985		No significant change	
1986	1993	Data Gap	
1994		No significant change	
1995	1999	Data Gap	
2000		No significant change	
2001	2021	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
2022		No significant change	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1887	1888	A small quarry pit is located just outside the zone boundary in the southeast in zone H8, and Stone Pit Plantation is located in zone H4 which has a stone pit in the south. There is another quarry located 600 m north of the zone, which will later become part of Longwood Quarries.	
1889	1904	Data Gap	
1905	1906	No Change	
1907	1946	Data Gap	
1947	1951	The quarry in zone H8 has been significantly enlarged.	
1956		Airfield shown outside zone boundary (may have been there during previous map edition but not displayed due to the war effort). There is a sewage works located in zone H4 immediately adjacent to the site.	
1957	1978	Data Gap	
1979	1980	Map shows large scale development associated with the RAF base. (H7) Airfield shown as disused. (H8) map shows quarry has expanded significantly.	
1981	1984	Data Gap	
1985		There has been a large amount of development to the west of the site in zone H3, which is now RAF Digby. The Airfield is labelled as disused, and the quarry in H8 is now marked as disused.	
1986	1999	Data Gap	
2000		There are a series of masts shown within the disused airfield.	
2001	2021	Data Gap	
2022		No Change	
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐			
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.			

There has been a minimal level of development on and around Zone H, and therefore it has not been subject to significant contaminative land use in this respect.

It is not clear whether the land functioned as arable farmland, however if this is the case then there may be some level of contamination associated with agricultural industry and the use of pesticides, herbicides and fertilisers.

The most significant source of contamination identified from the historic maps would be associated with the RAF airfield, which appeared to extend up to the western boundary of zone H8.

The sewage works, which is present as an 'off-site enclave' within zone H4, would also represent another potential source of contamination.

11.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D8) are summarised below in **Table 47**.

Table 47 Summary of environmental permits, landfills and incidents – Zone H

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	1	0	212 m SW: Lincoln District, Unknown Pollutant, Underground Strata, 30/10/1992, Ref. 1496, Potential Groundwater, Unknown Cause, Cat 2 Significant Incident.

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Discharge consents	1	1	0	On Site: Severn Trent Services Defence Limited, RAF Digby Sewage Treatment Works, Ref. Cdnnf09631, 23/12/1996, Sewage Discharges (Final/Treated Effluent), Freshwater Stream/River, Scopwick Beck. 154 m SE: Autism Care, Hospital, Prnlf12144, 14/12/2011, Sewage Dsicharges (Final/Treated Effluent) Land/Soakaway.
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A
Historic / closed landfills	0	0	0	N/A
Other waste management licences	0	0	0	N/A
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	0	0 of relevance	N/A
Fuel station entries	0	1	0	61 m SE: Digby Aerodrome Post Office and Filling Station, Obsolete.
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

No potential sources of contamination have been identified from the environmental database report for Zone H except for potential tanks associated with the adjacent RAF base to the west.

11.3 Information from regulatory authorities

11.3.1 Site services

Buried utility services and their backfill can provide preferential pathways for gas, vapour or groundwater to migrate along to another part of the site or to a receptor. They can also represent significant constraints to development.

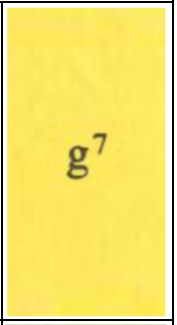
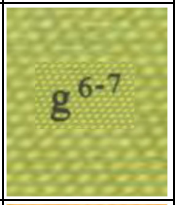
Obtaining a full set of service plans was outside the scope of this report. Services identified on-site during the walkover are detailed in section 17.

11.4 Site geology

11.4.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in **Table 48**.

Table 48 Site geology – Zone H

Strata	Description	Estimated thickness	Permeability	Map Legend
No Superficial Deposits				
Blisworth Limestone Member	Pale grey to off-white or yellowish limestones with thin marls and mudstones, fossiliferous, bioturbated peloidal, ooidal and shell-fragmental more-or-less argillaceous packstones and wackestones, subordinate cross-bedded ooidal shell-fragmented grainstones.	Typically 6 – 7 m	Permeable	
Rutland Formation	Grey marine mudstone passing up into non-marine mudstone and siltstone, with a greenish-grey rootlet bed at the top. Occasional limestone beds (ls)	Typically 8 – 12 m	Permeable	
Upper Lincolnshire Limestone Member	Limestone, mainly coarse grained ooidal grainstones (ol), with subsidiary limestones of other types (gl) including fine to medium grained grainstone, recrystallized limestone and possible reef knolls	Up to 15 m	Permeable	
Lower Lincolnshire Limestone Member	Limestones, dominated by low-energy calcilutite and peloidal wackestone (wl) and packstone. With subsidiary carbonate mudstone (ml).	Up to 20 m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the majority of the site has never been developed, and therefore widespread Made Ground would not be anticipated. There may be some Made Ground in the vicinity of both the RAF airfield adjacent to zone H8 and the off-site Sewage Works within Zone H4.

The site would be expected to be directly underlain by a limited thickness of topsoil.

A summary of historical BGS borehole records within and near the zone are provided in **Table 49** below.

Table 49 Summary of BGS borehole records – Zone H

Borehole ref	Depth (m)	Map Legend
TF05 NW44	17.00	

Borehole ref	Depth (m)	Map Legend
TF05 NW7/A	37.03	
TF05 NW13	16.46	
TF05 NE4	34.00	

A copy of these borehole logs is presented in Appendix E.

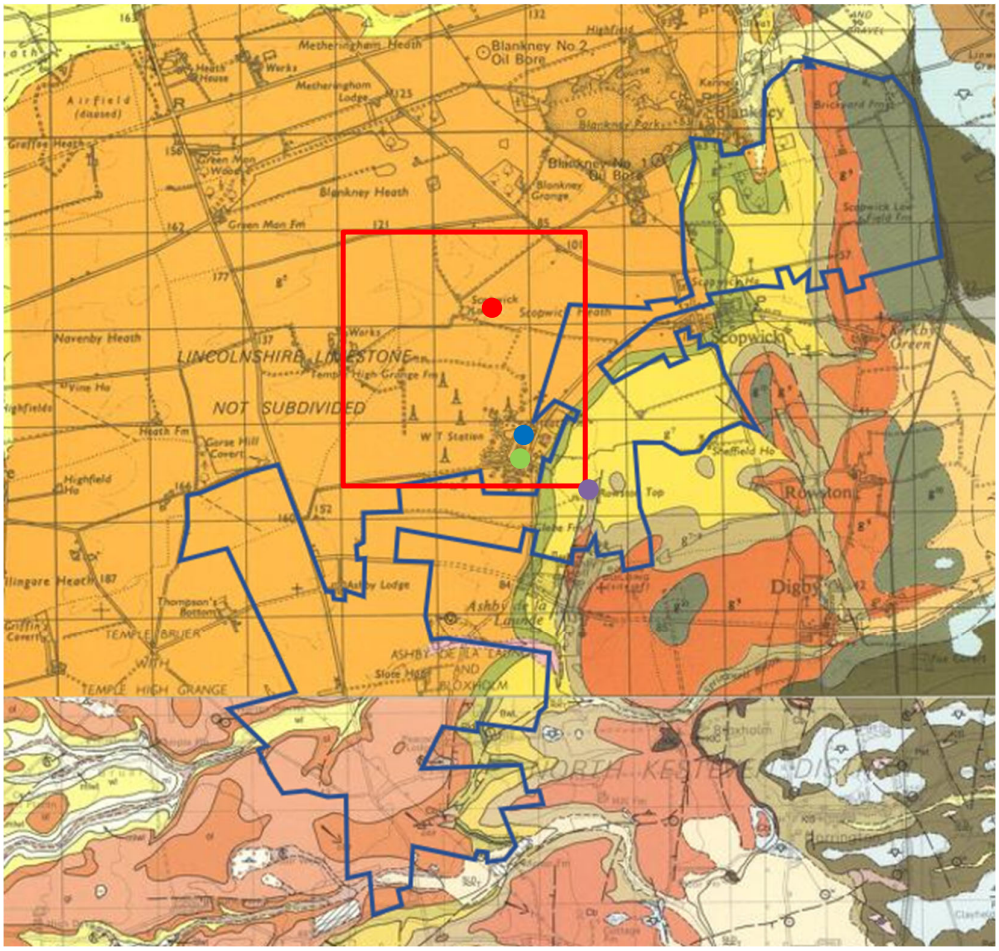


Image 10: Anticipated Geology – Zone H

11.4.2 Radon

The environmental database report indicates that the zone is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 10-30% of homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

The environmental database report stated that less affected radon areas were present within the boundary of the zone, however the 10-30% classification has been chosen to represent the most conservative assessment.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the zone is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 “Radon: Guidance on Protective Measures for New Dwellings (2015)”.

11.5 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500 m of the zone.

11.5.1 Areas of other (rock or mineral) mining

The zone lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member and the Blisworth Limestone Formation. There is no history of quarrying within the zone itself, but there was a quarry located adjacent to the southwest of the zone (in zone H8), a Stone Pit adjacent to the southwest (in zone H4), and another quarry approximately 600 m northwest. The quarry 600 m northwest later forms part of the Longwood Quarry.

11.6 Hydrogeology

A summary of the hydrogeological setting of the site, with respect to the anticipated geological sequence, is presented below in **Table 50**.

Table 50 Summary of hydrogeological setting – Zone H

Condition	Description
Aquifer characteristics	Zone H is underlain by a Secondary B aquifer relating to the Rutland Formation and a Principal aquifer relating to the Lincolnshire Limestone Member and the Blisworth Limestone Formation. The potential presence of low permeability clay at relatively shallow depths beneath the site, while restricting downwards migration, may increase the potential for lateral migration of shallow groundwater (and therefore mobile contamination, if present).
Depth to groundwater and flow	The anticipated depth to groundwater is in the order of 13 m below ground level estimated from BGS Logs. Shallow groundwater in the site area is anticipated to flow in an easterly direction, i.e. in line with local topography and in the direction of the River Witham.

Condition	Description
Groundwater recharge/ attenuation	Most of the zone is currently unsurfaced and will therefore drain directly to ground.
Licensed groundwater abstractions	The environmental database report indicates that there are two groundwater abstractions within a 1km radius of the zone, both of which are for private water supply (Crown Property/Government Department) purposes.
Source protection zones	Information available in the Envirocheck report indicates that the north of the zone lies within zone I (Inner Zone) of a source protection zone, relating to the private supply borehole located just north of Heath Road (B1181) northwest of the zone.

11.7 Hydrology

A summary of the hydrology within the zone area is summarised in **Table 51**.

Table 51 Summary of hydrology in site area – Zone H

Condition	Description
Surface watercourses/ features	There is a drain located 20 m southeast of the zone, and there is another drain leading to/from the sewage works.
Surface water abstractions	The environmental database report indicates that there are no surface water abstractions within a 1 km radius of the zone.
Site drainage	Evidence from the Envirocheck report indicates that drainage ditches/streams are present within the zone and in the surrounding area.
Preliminary flood risk assessment	The indicative floodplain map for the area shows that the zone does not lie within any designated floodplains.

11.8 Sensitive land uses

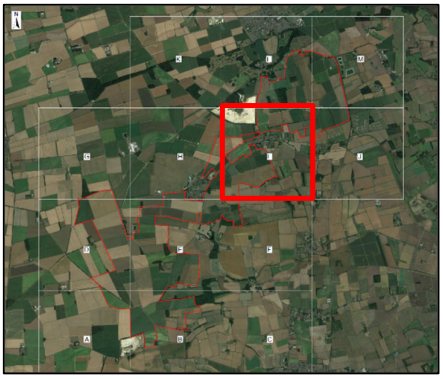
Table 52 provides a summary of any environmentally sensitive areas identified within 250 m of the zone based on the environmental database report.

Table 52 Environmentally sensitive areas – Zone H

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	No	N/A
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	No	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	No	N/A
Nearest high sensitivity development, e.g. residential	Nearest high sensitivity development, e.g. residential	Yes	Residential homes located on RAD Digby.

12 DESK-BASED ASSESSMENT – ZONE I

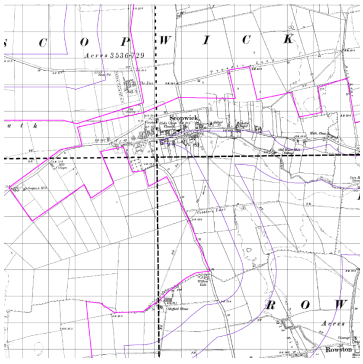
12.1 Site history

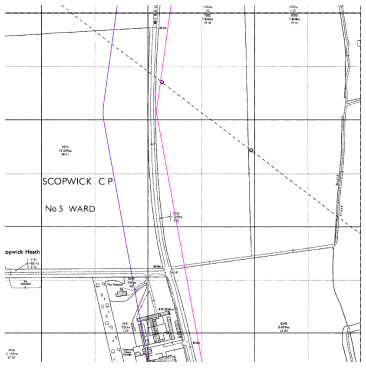


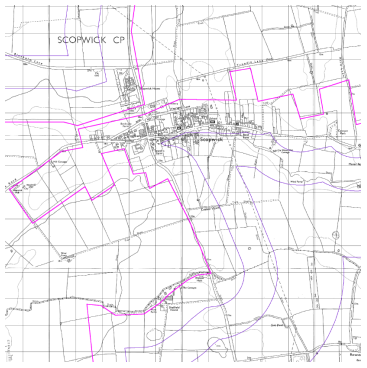
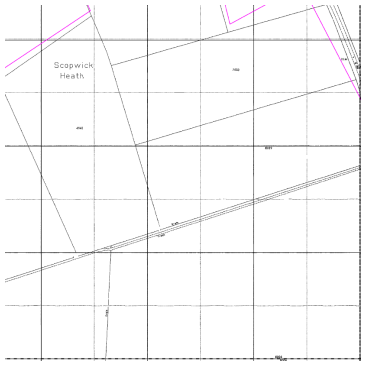
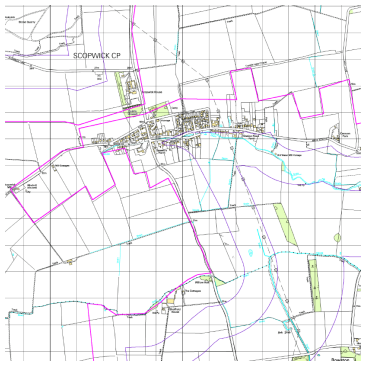
12.1.1 Historical development record

The development history of Zone I and the surrounding area based upon assessment of historical plans and records is detailed in **Table 53**. The historical maps reviewed are shown within the environmental database report in Appendix D9.

Table 53 Summary of historical development – Zone I

Date from	Date to	Historical Land Use (on-site)	Area of site
1887	1888	Zone I is predominantly fields. In the northwest of the zone (I10), there are two quarries. One of the quarries falls within the zone completely, while the other is only partially within the zone and is an old quarry. A road named Trundle Lane is located in zone I15 in the northeast, running in an east-to-west direction, a road called Acre Lane is located in zone I16 in the northeast, running in a north-to-south direction, and another road (later the B1188) is running in a north-to-south direction running through the centre of zones I14, I10 and I7. There are also multiple small ponds, three are located in the northeast area of the zone (I16), and two are located in the southwest area of the zone (I1 and I5).	
1889	1904	Data Gap	
1905	1906	There are two structures located in I14 and I15 in the north-eastern portion of the zone, and they are labelled as pumps. There is another pump located 50 m away from these structures to the east (I15). The quarry in I10 is now disused.	
1907	1946	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1947	1951	No Change	
1952	1955	Data Gap	
1956		There is a structure located centrally within the southwestern portion of the site in zone I5, which is labelled as a windpump.	
1957	1978	Data Gap	
1979		There are drains located across the zone. Pylons have been constructed across the north-eastern portion of the zone (I14 and I15), running in a southeast-to-northwest direction.	
1980	1984	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1985		The windpump in zone I5 has been expanded. The old quarry in zone I10 which partially encroached onto the site now has a structure built upon it, and there is a cemetery adjacent to the east which also encroaches slightly onto the zone (I10).	
1986	1993	Data Gap	
1994		No Change	
1995	1999	Data Gap	
2000		No Change	
2001	2021	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
2022		No Change	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1887	1888	The village of Scopwick is located immediately south and east of the zone (I10 and I11), where a pump is located 150 m south of the Old Quarry, and there is a school and a chapel in the east of the village. There is also an unnamed watercourse, believed to be Scopwick Beck, running through the centre of town and flowing to the east. Scopwick Corn Mill is located in zone I5 in the west of the zone, and there are some residential properties called Mill Cottages approximately 250 m northeast of the Mill itself. Sheffield House is located immediately across a southern boundary in the south of the zone (I2), and there is an Old Fish Pond which has some surrounding cuttings/embankments, located in the south-eastern corner of the zone. There are multiple roads around the zone, some of which cross onto the zone at various locations. One road (the B1188) is running in a north-to-south direction through the centre of the zone, one is running east-to-west (B1191) through the centre of the zone, and another is Bloxholm Lane running east-to-west approximately 300 m northwest of the zone. An estate called The Firs is located immediately west of the zone (I14), and there is a stone pit located approximately 100 m northwest of this which is also visible within zone I14. There is also a disused Corn Mill located 500 m south of the zone (I12) along Scopwick Beck. Cobblers Lane runs from the boundary in the southwestern portion of the zone in an east-to-west direction. There are six small ponds located south and east of the zone, one of which is located in the village.	
1889	1904	Data Gap	
1905	1906	No Change	
1907	1946	Data Gap	
1947	1951	There has been some development in the west and east of the village, zones I10 and I11. No other significant change.	
1952	1955	Data Gap	
1956		There is a wind pump located along Scopwick Beck southeast of the village. Pylons have been constructed that run in a southeast-to-northwest direction, intersecting the zone in I14 and I15.	
1957	1978	Data Gap	
1979	1980	No Change	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1981	1984	Data Gap	
1985		Drains are now labelled across the east of the zone, and there has been some more minor development within the village. There is now a caravan park east of the village in zone I12.	
1986	1993	Data Gap	
1994		The Firs has been renamed Scopwick House, and there are associated buildings called Scopwick House Cottage and The Paddock. No other significant change.	
1995	1999	Data Gap	
2000		There is a Stone Quarry located approximately 500 m northwest of the zone, which forms part of Longwood Quarry.	
2001	2021	Data Gap	
2022		No Change	
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐			
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.			

There has not been a significant amount of development on site, and any potential contamination is most likely to be associated with either its agricultural land use or the pumping station located in zone I5.

The stone quarries identified in zone I10 are presumed to have been infilled with inert and/or natural material, however there lies the potential for more onerous material to have been used.

It is not clear whether the land functioned as arable farmland, however if this is the case then there may be some level of contamination associated with agricultural industry and the use of pesticides, herbicides and fertilisers.

12.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D9) are summarised below in **Table 54**.

Table 54 Summary of environmental permits, landfills and incidents – Zone I

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	2	0	194 m N: Road, Oils (petrol), 22/01/1998, Ref. 2916, Freshwater Stream/River, Leaking Bales/Bags, Cat 3 Minor Incident 204 m NE: Other General Premises, Miscellaneous, 03/03/1994, Ref. 1825, Freshwater Stream/River, Other Cause, Cat 3 Minor Incident

Discharge consents	2	1	1	On Site W: Paul E Scholey, Waste Water Treatment Works, Walnut Cottage, Ref. Pr3lfu504, 11/03/1971 to 09/06/1997, Unknown Type, Onto Land. On Site SW: North Kesteven District Council, Domestic Property (Multiple), LN4 3PA, Ref. Pr3lfu32, 10/02/1966 to 01/10/1996, Unknown Type, Onto Land. 240 m NE: Anglian Water Services Limited, Pumping Station on Sewerage Network, Ref. Aw3nff984, 09/03/1973, Sewage Discharges, Freshwater Stream/River, Unknown Tributary. 268 m NE: North Kesteven District Council, WWTW, Ref. Pr3nfa0872, 29/051963 to 30/03/1992, Sewage Discharges, Freshwater Stream/River, Unknown Tributary.
Registered radioactive substances	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Landfill and waste				
Active landfills	0	0	1	393 m NW: Longwood Quarry, Licence Number 70908, Landfills Taking Non-Biodegradable Wastes (not construction), Issued 27/02/1987, Licence Status CLOSURE.
Historic / closed landfills	0	0	0	N/A
Other waste management licences	0	0	1	321 m NW: Longwood Quarry, Licence Number 400444, Treatment of Waste to Produce Soil <75,000 TPY, Issued 14/08/2013.
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	1	0	93 m NW: L Brackenbury & Son Ltd, Garage Services, Active

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Fuel station entries	0	1	0	101 m NW: L Brackenbury & Sons Garage, Wcf, Petrol Station, Open.
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

The environmental database report has identified a licensed waste management facility within 400 m of the northwestern boundary of the zone (Longwood Quarry). The report suggests that part of the quarry is used as a waste treatment facility (maximum 75,000 tonnes per year) and another part as a registered landfill site, authorised to accept agricultural waste and “Lincs Category A – Solid Inert”.

12.3 Information from regulatory authorities

12.3.1 Site services

Buried utility services and their backfill can provide preferential pathways for gas, vapour or groundwater to migrate along to another part of the site or to a receptor. They can also represent significant constraints to development.

Obtaining a full set of service plans was outside the scope of this report. Services identified on-site during the walkover are detailed in section 17.

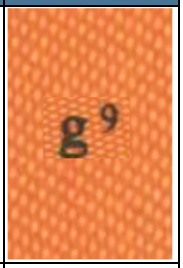
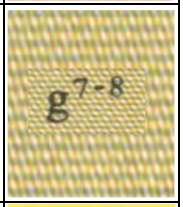
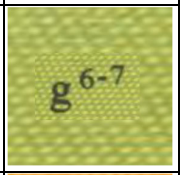
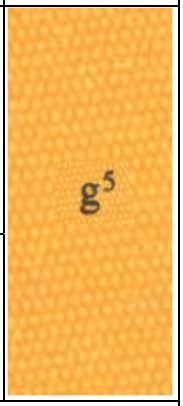
12.4 Site geology

12.4.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in **Table 55**.

Table 55 Site geology – Zone I

Strata	Description	Estimated thickness	Permeability	Map Legend
No Superficial Deposits				

Strata	Description	Estimated thickness	Permeability	Map Legend
Cornbrash Formation (east of the site only)	Limestone, medium to fine grained, predominantly bioclastic wackestone and packstone with sporadic peloids. Thin argillaceous partings or interbeds of argillaceous mudstone may occur.	Typically 2 – 4 m	Permeable	
Blisworth Clay Formation (southwest and northeast of the site only)	Silicate-mudstone, grey, commonly variegated purplish red, yellow and green, poorly bedded to blocky. Mudstone weathers to a highly plastic clay.	2 m – 4 m	Impermeable	
Blisworth Limestone Member	Pale grey to off-white or yellowish limestones with thin marls and mudstones, fossiliferous, bioturbated peloidal, ooidal and shell-fragmental more-or-less argillaceous packstones and wackestones, subordinate cross-bedded ooidal shell-fragmented grainstones.	Typically 6 – 7 m	Permeable	
Rutland Formation	Grey marine mudstone passing up into non-marine mudstone and siltstone, with a greenish-grey rootlet bed at the top.	Typically 8 – 12 m	Permeable	
Upper Lincolnshire Limestone Member	Limestone, mainly coarse grained ooidal grainstones, with subsidiary limestones of other types including fine to medium grained grainstone, recrystallized limestone and possible reef knolls	Up to 15 m	Permeable	
Lower Lincolnshire Limestone Member	Limestones, dominated by low-energy calcilutite and peloidal wackestone and packstone. With subsidiary carbonate mudstone.	Up to 20 m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the majority of the site has never been developed, and therefore widespread Made Ground would not be anticipated. There may be some Made Ground in the vicinity of the Old Quarry located in I10 and the roads running through the site.

The site would be expected to be directly underlain by a limited thickness of topsoil.

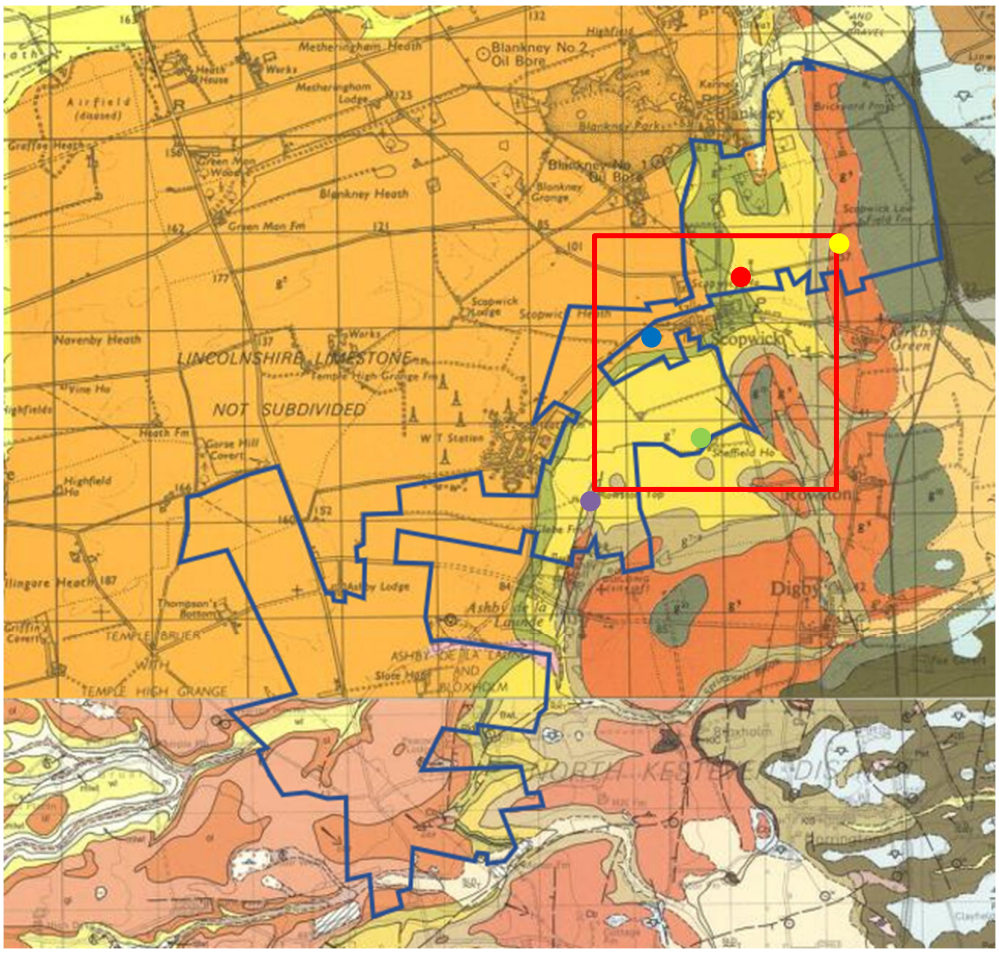


Image 11: Anticipated Geology – Zone I

A summary of historical BGS borehole records within and near the zone are provided in **Table 56** below.

Table 56 Summary of BGS borehole records – Zone I

Borehole ref	Depth (m)	Map Legend
TF05 NE5	31.00	
TF05 NE2	31.00	
TF05 NE15	60.00	
TF05 NE4	34.00	
TF05 NE22	59.00	

12.4.2 Radon

The environmental database report indicates that the zone is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 3-5% of homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the site is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 "Radon: Guidance on Protective Measures for New Dwellings (2015)".

12.5 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500m of the zone.

12.5.1 Areas of other (rock or mineral) mining

Zone I lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member and the Blisworth Limestone Formation, and historically there was one quarry within zone I10.

12.6 Hydrogeology

A summary of the hydrogeological setting of the zone, with respect to the anticipated geological sequence, is presented below in **Table 57**.

Table 57 Summary of hydrogeological setting – Zone I

Condition	Description
Aquifer characteristics	Zone I is underlain by a Secondary A Aquifer relating to the Cornbrash Formation, a Secondary B Aquifer relating to the Rutland Formation and unproductive strata relating to the Blisworth Clay Formation, as well as a Principal Aquifer relating to the Blisworth Limestone Formation and the Lincolnshire Limestone Member. The potential presence of low permeability clay at relatively shallow depths beneath the site, while restricting downwards migration, may increase the potential for lateral migration of shallow groundwater (and therefore mobile contamination, if present).

Condition	Description
Depth to groundwater and flow	The anticipated depth to groundwater is in the order of 3 m below ground level estimated from BGS Logs. Shallow groundwater in the zone area is anticipated to flow in an easterly direction, i.e. in line with local topography and in the direction of the River Witham.
Groundwater recharge/ attenuation	Most of the zone is currently unsurfaced and will therefore drain directly to ground.
Historical implications for hydrogeology	There are multiple small ponds on and around the zone.
Licensed groundwater abstractions	The environmental database report indicates that there are 7 groundwater abstractions within a 1 km radius of the zone, one of which is for private household use including drinking.
Source protection zones	Information available in the Envirocheck report indicates that some of the site lies within zone 1 of the groundwater source protection zone for the private supply borehole located just north of Heath Road (B1181) in the west of the zone.

12.7 Hydrology

A summary of the hydrology within the zone area is summarised in **Table 58**.

Table 58 Summary of hydrology in site area – Zone I

Condition	Description
Surface watercourses/ features	There are five small ponds within the zone site and another six ponds located within 1 km of the zone to the south and the east. There are multiple drainage ditches located on and around the zone, and there is a stream running through the village of Scopwick which flows to the east.
Surface water abstractions	The environmental database report indicates that there are no surface water abstractions within a 1 km radius of the zone.
Site drainage	Evidence from the Envirocheck report indicated that drainage ditches/streams are present within he zone and in the surrounding area.
Preliminary flood risk assessment	The indicative floodplain map for the area shows that the majority of the site does not lie within any designated floodplains, with the exception of a small area in the central west of the site, which is in zone 2 (extreme flooding from Rivers without defence).

12.8 Sensitive land uses

Table 59 provides a summary of any environmentally sensitive areas identified within 250 m of the zone based on the environmental database report.

Table 59 Environmentally sensitive areas – Zone I

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	0	N/A	N/A
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	0	N/A	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	0	N/A	N/A
Nearest high sensitivity development, e.g. residential	Yes	Residential properties close to the zone boundary in the village of Scopwick, Sheffield House, Mill Cottages, Scopwick House.	Lateral migration of potential contaminants.

13 DESK-BASED ASSESSMENT – ZONE J

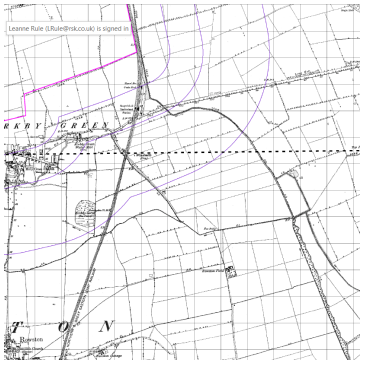
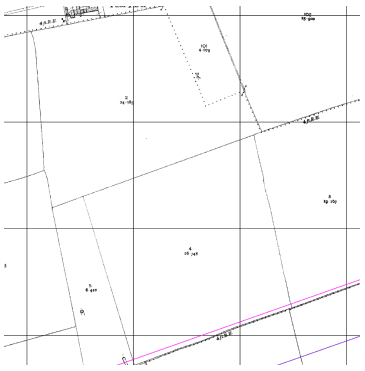
13.1 Site history

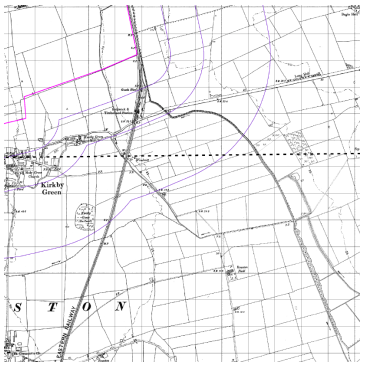
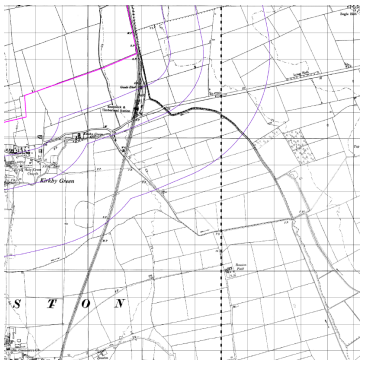
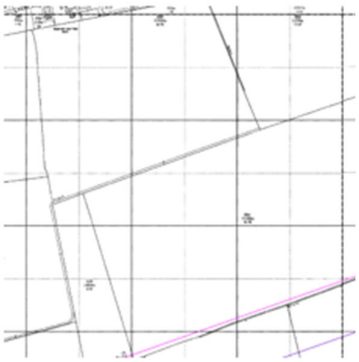


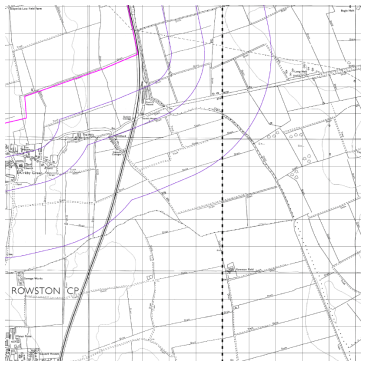
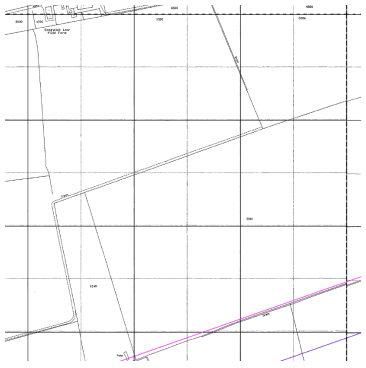
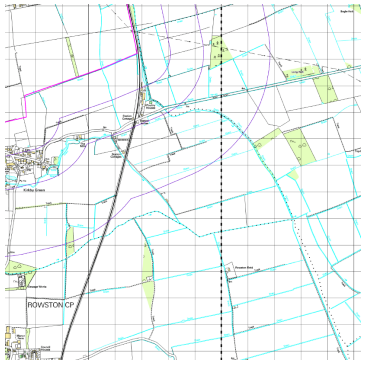
13.1.1 Historical development record

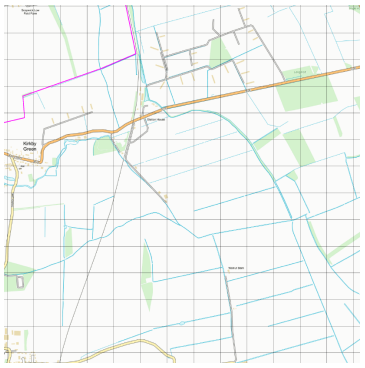
The development history of Zone J and the surrounding area based upon assessment of historical plans and records is detailed in **Table 60**. The historical maps reviewed are shown within the environmental database report in Appendix D10.

Table 60Summary of historical development – Zone J

Date from	Date to	Historical Land Use (on-site)	Area of site
1887	1888	Zone J is predominantly fields, although there is a farm building located in the northwest of the zone (J13). This building is not included within the site redline boundary and will be discussed as an off-site feature going forwards.	
1889	1904	Data Gap	
1905	1906	There is a small pond on the southern boundary of the zone (J13). No other significant change.	
1907	1946	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1947		No Change	
1948	1955	Data Gap	
1956		No change	
1957	1978	Data Gap	
1979		No change	
1980	1984	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1985		There are multiple drains located on the site.	
1986	1993	Data Gap	
1994		No Change	
1995	1999	Data Gap	
2000		There is a small forested area present in the central south of the site.	
2001	2021	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
2022		No Change	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1887	1888	The surrounding area is predominantly fields, although the village of Kirkby Green is located 250 m southwest of the zone (J9), and constitutes residential homes, a well, a pond and a church. There is a farm building located in the northwest of the zone (J13), which is not included within the site redline boundary. There is a watercourse called Scopwick Beck running through the village flowing in an easterly direction, and Kirkby Green Water Mill is located on the south bank of the stream. There is a small quarry located approximately 200 m south of the zone and just north of the village. The Great Northern & Great Eastern Joint Railway line is located immediately beyond the eastern boundary of the zone (J14), and it is running in a north-to-south direction. Running parallel to the railway in the north is a watercourse which splits off from the railway line to move to the south. There is a goods shed associated with the railway located 250 m southeast of the zone (J14), and Scopwick and Timberland Station is located 500 m southeast. There is a windmill located 700 m southeast of the zone. A forested area called Kirkby Gorse is located 750 m south of the zone, and there are various small ponds located east and south of the zone. There is a road (B1191) running in an east-to-west direction that runs through the village 300 m south of the zone.	
1889	1904	Data Gap	
1905	1906	There is a well located at the farm house in the northwest of the zone (J13). No other significant change.	
1907	1946	Data Gap	
1947		There has been some small development within the village. No other significant change.	
1948	1955	Data Gap	
1956		Kirkby Gorse is no longer present.	
1957	1978	Data Gap	
1979	1980	The farmhouse in the northwest of the zone (J13) has expanded and is labelled as Scopwick Low Field Farm. There has been some development around the Goods Shed, there are more buildings and there are some circular structures which could represent tanks (J14). There has also been development within the village, with more structures being present and Manor Farm being labelled.	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1981	1984	Data Gap	
1985		The new buildings around the previous Goods Shed in zone J14 are now labelled as Poultry Houses, and the train station no longer appears on the map. There is a sewage works located 1.1 km southwest of the zone, and there are many drains labelled around the zone to the south and the east.	
1986	1993	Data Gap	
1994		No Change	
1995	1999	Data Gap	
2000		There is a pumping house located approximately 450 m southwest of the zone. No other significant changes.	
2001	2021	Data Gap	
2022		No Change	
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐			
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.			

The most significant sources of potential contamination are associated with the agricultural land use of the site, the railway line running immediately adjacent to the site in the east, and the off-site goods shed which later becomes poultry houses.

It is not clear whether the land functioned as arable farmland, however if this is the case then there may be some level of contamination associated with agricultural industry and the use of pesticides, herbicides and fertilisers.

13.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D10) are summarised below in **Table 61**.

Table 61 Summary of environmental permits, landfills and incidents – Zone J

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	1	252 m SE: Thames Valley Foods Ltd, Scopwick Free Range, Ref. PP3336FJ, 26/03/2012, Effective, Intensive Farming >40,000 Poultry.
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	1	790 m S: Construction, Scopwick, Oils (Diesel), 05/05/1997, Ref. 2723, Freshwater Stream/River, Poor Operational Practice, Cat 3 Minor Incident.

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Discharge consents	0	0	3	338 m SW: Mr F Pachler, Domestic Property (Single), Ref. Pr3lfu566, 08/06/1972 to 10/06/1997, Sewage Discharges (Final/Treated Effluent), Land/Soakaway. 386 m E: Mrs Anna Watt, Domestic Property (Single), Ref. Eprcb3895wc, 11/08/2015, Sewage Discharges (Final/Treated Effluent) Freshwater Stream/River, Ditch Leading to Car Dyke. 454 m SW: Anglian Water Services Ltd, Pumping Station on Sewerage Network, Ref. Aw3nff983, 09/03/1973, Sewage Discharges, Freshwater Stream/River, Unknown Tributary.
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Historic / closed landfills	0	0	0	N/A
Other waste management licences	0	0	0	N/A
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	0	0	N/A
Fuel station entries	0	0	0	N/A
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

No potential sources of contamination have been identified from the environmental database report for Zone J.

13.2.1 Site services

Buried utility services and their backfill can provide preferential pathways for gas, vapour or groundwater to migrate along to another part of the site or to a receptor. They can also represent significant constraints to development.

Obtaining a full set of service plans was outside the scope of this report. Services identified on-site during the walkover are detailed in section 17.

13.3 Site geology

13.3.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in **Table 62**.

Table 62 Site geology – Zone J

Strata	Description	Estimated thickness	Permeability	Map Legend
No Superficial Deposits				
Oxford Clay Formation	Silicate-mudstone, grey, generally smooth to slightly silty, with sporadic beds of argillaceous limestone nodules.	50 – 70 m	Impermeable	
Kellaways Formation	Mudstone, grey, commonly silici-silty or silici-sandy, with beds of generally calcareous siltstone and sandstone.	5 – 8 m	Permeable	
Cornbrash Formation (west of the site only)	Limestone, medium to fine grained, predominantly bioclastic wackestone and packstone with sporadic peloids. Thin argillaceous partings or interbeds of argillaceous mudstone may occur.	Typically 2 – 4 m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the majority of the site has never been developed, and therefore widespread Made Ground would not be anticipated. There may be some Made Ground in the vicinity of the railway line in the east of the site (J14).

The site would be expected to be directly underlain by a limited thickness of topsoil.

A summary of historical BGS borehole records within and near the zone are provided in **Table 63** below.

Table 63 Summary of BGS borehole records – Zone J

Borehole ref	Depth (m)	Map Legend
TF05 NE17	18.00	
TF05 NE24	67.00	
TF05 NE22	59.00	

A copy of these borehole logs is presented in Appendix E.

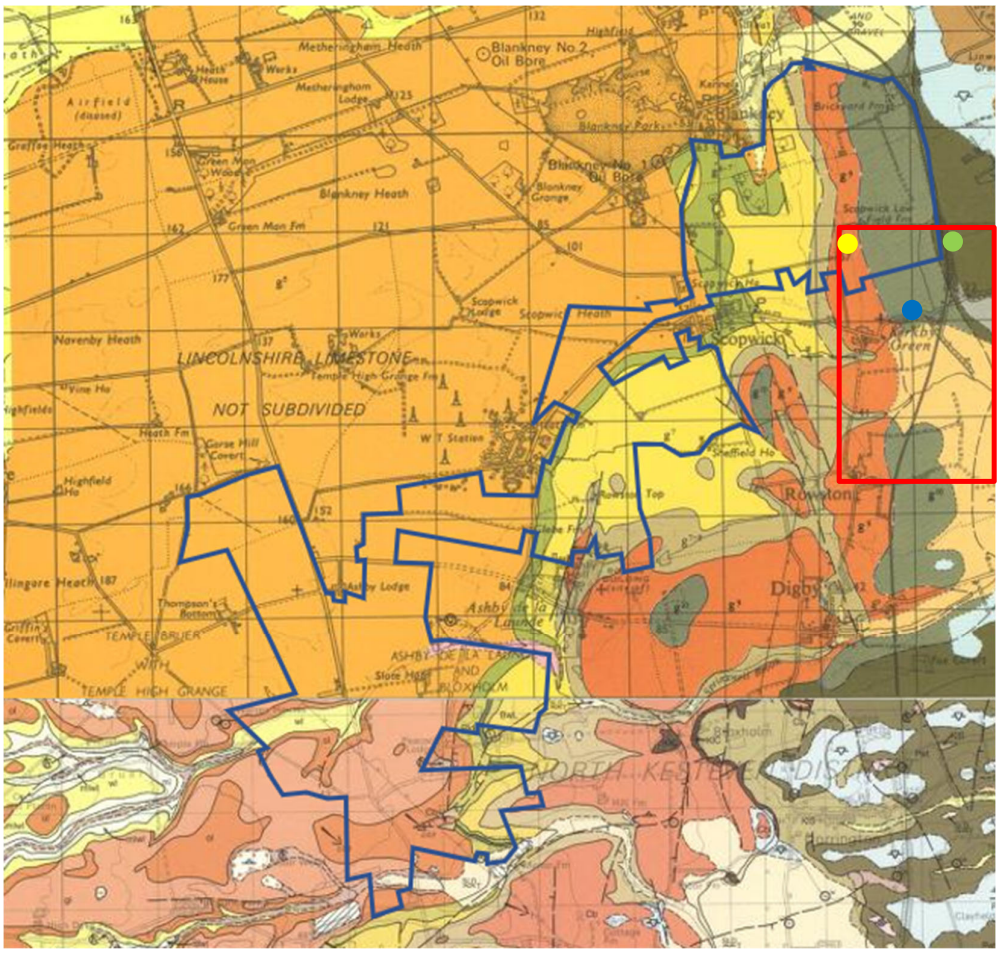


Image 12: Anticipated Geology – Zone J

13.3.2 Radon

The environmental database report indicates that the zone is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 1-3% of homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the zone

is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 “Radon: Guidance on Protective Measures for New Dwellings (2015)”.

13.4 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500m of the zone.

13.4.1 Areas of other (rock or mineral) mining

Zone J lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member. While there is no evidence of pits or quarries on site, there was an old quarry located 200m south of the zone.

13.5 Hydrogeology

A summary of the hydrogeological setting of the zone, with respect to the anticipated geological sequence, is presented below in **Table 64**.

Table 64 Summary of hydrogeological setting – Zone J

Condition	Description
Aquifer characteristics	Zone J is underlain by a Secondary A Aquifer relating to the Kellaways Formation and the Cornbrash Formation, and unproductive strata relating to the Oxford Clay Formation. The potential presence of low permeability clay at relatively shallow depths beneath the site, while restricting downwards migration, may increase the potential for lateral migration of shallow groundwater (and therefore mobile contamination, if present).
Depth to groundwater and flow	The anticipated depth to groundwater is in the order of 3 m below ground level estimated from BGS Logs. Shallow groundwater in the zone area is anticipated to flow in an easterly direction, i.e. in line with local topography and in the direction of the River Witham.
Groundwater recharge/ attenuation	Most of the zone is currently unsurfaced and will therefore drain directly to ground.
Licensed groundwater abstractions	The environmental database report indicates that there are 2 groundwater abstractions within a 1 km radius of the zone, none of which are licenced for public potable water supply.
Source protection zones	Information available in the Envirocheck report indicates that the zone does not lie within a designated source protection zone.

13.6 Hydrology

A summary of the hydrology within the site area is summarised in **Table 65**.

Table 65 Summary of hydrology in site area – Zone J

Condition	Description
Surface watercourses/ features	There are multiple small ponds located within 1 km of the zone to the south and the east, as well as many drainage ditches located within and around the zone. There is a stream running through the village of Kirkby Green which flows to the east.
Surface water abstractions	The environmental database report indicates that there are no surface water abstractions within a 1 km radius of the zone.
Site drainage	Evidence from the Envirocheck report indicates that drainage ditches/streams are present within the zone and in the surrounding area.
Preliminary flood risk assessment	The indicative floodplain map for the area shows that the majority of the zone does not lie within any designated floodplains, with the exception of a small area in the east of the zone, which is in zones 2 and 3 (flooding/extreme flooding from Rivers without defences).

13.7 Sensitive land uses

Table 66 provides a summary of any environmentally sensitive areas identified within 250 m of the site based on the environmental database report.

Table 66 Environmentally sensitive areas – Zone J

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	0	N/A	N/A
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	0	N/A	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	0	N/A	N/A
Nearest high sensitivity development, e.g. residential	Yes	Scopwick Low Field Farm and residential homes in Kirkby Green	Lateral migration of potential contaminants.

14 DESK-BASED ASSESSMENT – ZONE K

Zone K does not encompass any of the site itself, beginning 900 m to the north and west of the site and including the remaining 100 m of the 1 km search buffer. Due to this, only the historical development of the land has been deemed relevant to the site assessment.

14.1 Site history

14.1.1 Historical development record

The development history of Zone K and the surrounding area based upon assessment of historical plans and records is detailed in **Table 67**. The historical maps reviewed are shown within the environmental database report in Appendix D11.



Table 67Summary of historical development – Zone K

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1887	1888	There is a road/track running in a southwest-to-northeast direction approximately 900 m north of the zone, as well as another road running in a southeast-to-northwest direction called Bloxholm Lane approximately 500 m north of the zone.	
1889	1904	Data Gap	
1905	1906	No Change	
1907	1946	Data Gap	
1947	1956	No Change	
1957	1972	Data Gap	
1973	1979	No Change	
1980	1984	Data Gap	
1985		No Change	
1986	1993	Data Gap	
1994		No Change	
1995	1999	Data Gap	
2000		No Change	
2001	2021	Data Gap	
2022		The road running southwest-to-northeast is named as Long Wood Lane.	
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐			
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.			

The most significant sources of potential contamination are associated with the agricultural land use of the site.

14.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D11) are summarised below in **Table 68**.

Table 68 Summary of environmental permits, landfills and incidents – Zone K

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	0	N/A
Discharge consents	0	0	0	N/A
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A
Historic / closed landfills	0	0	0	N/A
Other waste management licences	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	0	0	N/A
Fuel station entries	0	0	0	N/A
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

No potential sources of contamination have been identified from the environmental database report for Zone K.

15 DESK-BASED ASSESSMENT – ZONE L

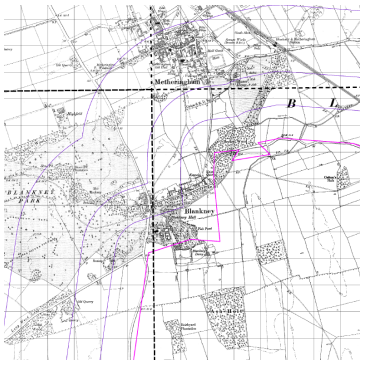
15.1 Site history

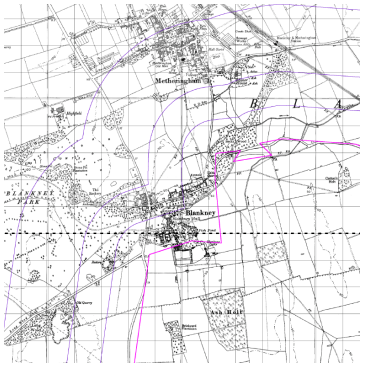
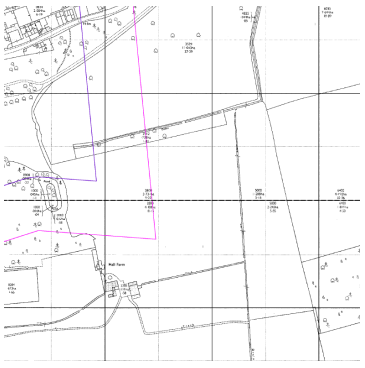


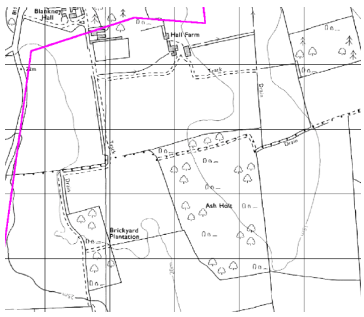
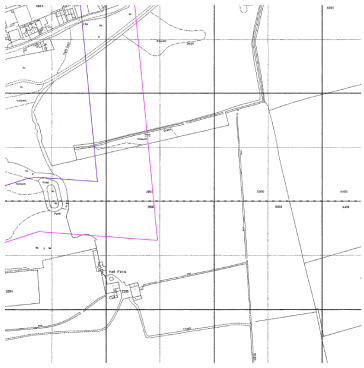
15.1.1 Historical development record

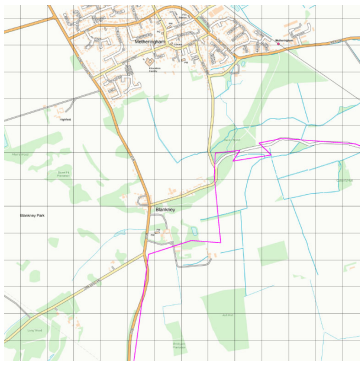
The development history of Zone L and the surrounding area based upon assessment of historical plans and records is detailed in **Table 69**. The historical maps reviewed are shown within the environmental database report in Appendix D12.

Table 69Summary of historical development – Zone L

Date from	Date to	Historical Land Use (on-site)	Area of site
1887	1888	Zone L is predominantly fields, although Blankney Dairy is located in the west of the zone (L7), and brickyard plantation, which has a structure built in its centre, is located in the southwest of the zone (L2). There seem to be multiple small ponds located around the zone. There is a track/road running alongside the boundary of the zone in the northeast. There are some other wooded areas on the zone named Ash Holt and Catton's Holt, located in the southwest (L3) and the northeast (L12) of the zone respectively.	
1889	1904	Data Gap	
1905	1906	No Change	
1907	1946	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1947		There is a small structure which has been built in the southeast of the zone (L8). No other significant change.	
1948	1955	Data Gap	
1956		No Change	
1957	1978	Data Gap	
1979		The Blankney Dairy in zone L7 is now called Hall Farm and has undergone some development.	
1980	1984	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1985		There is no longer a built structure within Brickyard Planation in zone L8. Numerous drains are now labelled across the zone.	
1986	1993	Data Gap	
1994		No Change	
1995	1999	Data Gap	
2000		No Change	
2001	2021	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
2022		No Change	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1887	1888	The village of Blankney is located within 100 m northwest of the zone, and the village of Metheringham is located 500 m north. There is a road immediately west of the western boundary of the zone, running in a north-to-south direction. There is a Quarry, Old Quarry and Old Stone Pit located approximately 500 m southwest of the zone, one quarry is located on the western boundary in zone L11 in the north of the zone and 250 m northwest of the zone. The Great Northern & Great Eastern Joint Railway line is located 300 m north of the zone running in a southeast-to-northwest direction, and there are two pumps and a well located 150 m west of the zone and 400 m north of the zone, adjacent to the northbound road. There is a small fish pond located 50 m north of the zone (L7). Blankney Park is located 200 m west of the zone (L6), and there are various forested areas surrounding the zone. There is a watercourse located approximately 200 m north of the zone flowing in an easterly direction.	
1889	1904	Data Gap	
1905	1906	No Significant Change	
1907	1946	Data Gap	
1947	1950	The quarry located southwest of the zone has expanded, and this later becomes Longwood Quarries. There has been some small level of development in the villages of Blankney and Metheringham. A power line is running in a southeast to the northwest direction approximately 250 m southwest of the zone.	
1951	1955	Data Gap	
1956		No Significant Change	
1957	1972	Data Gap	
1973	1979	There has been some more development within Blankney village. The Old Quarry located on the western boundary in the north of the site is no longer present. There has been a significant amount of residential development in Metheringham.	
1980	1984	Data Gap	
1985		The quarry located southwest of the site has undergone some development and expansion. There is a golf course located 250 m west of the site.	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1986	1993	Data Gap	
1994		No Significant Change	
1995	1999	Data Gap	
2000		Many drains are labelled across the site and in the surrounding area.	
2001	2021	Data Gap	
2022		No Change	
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐			
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.			

The most significant sources of potential contamination are associated with the agricultural land use of the site. It should be noted that while Blankney Dairy is shown within the site boundary in the historical maps, in reality it is located outside the site redline boundary and would be considered an off-site feature.

It is not clear whether the land functioned as arable farmland, however if this is the case then there may be some level of contamination associated with agricultural industry and the use of pesticides, herbicides and fertilisers.

15.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D12) are summarised below in **Table 70**.

Table 70 Summary of environmental permits, landfills and incidents – Zone L

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	1	511 m SW: Longwood Quarries Ltd, IPPC/2004/9, PG3/8 quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete, authorised.

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	1	0 of relevance	99 m NE: Property Type Not Given, Oils (Diesel), Tributary of Car Dyke, 24/08/1996, Ref. 2552, Unknown Cause, Cat 3 Minor Incident.
Discharge consents	0	0	1 of relevance	701 NE: Anglian Water Services Limited, WWTW, Ref. Aw3nff821, 22/12/2021, Sewage Discharges (Final/Treated Effluent), Freshwater Stream/River, Tributary of Carr Dyke.
Landfill and waste				
Active landfills	0	0	0	N/A
Historic / closed landfills	0	0	1	393 m SW: Longwood Quarry, Licence No. 70908, Landfills Taking Non-Biodegradable Wastes (Not Construction), Issued 27/02/1987, Closure.
Other waste management licences	0	0	0 of relevance	N/A
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Hazardous substances/ industrial land uses				
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	0	2 of relevance	364 m W: A & J A Roberts, Fishing & Angling Equipment, Inactive. 519 m SW: Longwood Quarries, Quarries, Active.
Fuel station entries	0	0	1	Bypass Service Station, Texaco, Petrol Station, Open.
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

Similar to Zone I, the environmental database report has identified a licensed waste management facility within 400 m of the western boundary of the zone (Longwood Quarry). The report suggests that part of the quarry is used as a waste treatment facility (maximum 75,000 tonnes per year) and another part as a registered landfill site, authorised to accept agricultural waste and “Lincs Category A – Solid Inert”.

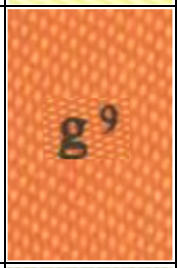
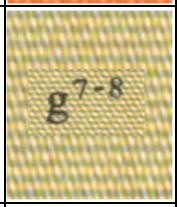
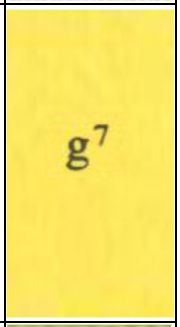
The pollution incident listed was categorised as a minor incident and is not considered to be a cause for concern.

15.3 Site geology

15.3.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in **Table 71**.

Table 71 Site geology – Zone L

Strata	Description	Estimated thickness	Permeability	Map Legend
Tidal Flat Deposits (north east of the site only)	Normally a consolidated soft silty clay with layers of peat, sand and a basal gravel. A stronger, desiccated surface zone is sometimes present.	Variable	Variable	
Cornbrash Formation (east of the site only)	Limestone, medium to fine grained, predominantly bioclastic wackestone and packstone with sporadic peloids. Thin argillaceous partings or interbeds of argillaceous mudstone may occur.	Typically 2 – 4 m	Permeable	
Blisworth Clay Formation (eastern part of the site only)	Silicate-mudstone, grey, commonly variegated purplish red, yellow and green, poorly bedded to blocky. Mudstone weathers to a highly plastic clay.	2 m – 4 m	Impermeable	
Blisworth Limestone Member	Pale grey to off-white or yellowish limestones with thin marls and mudstones, fossiliferous, bioturbated peloidal, ooidal and shell-fragmental more-or-less argillaceous packstones and wackestones, subordinate cross-bedded ooidal shell-fragmented grainstones.	Typically 6 – 7 m	Permeable	
Rutland Formation	Grey marine mudstone passing up into non-marine mudstone and siltstone, with a greenish-grey rootlet bed at the top.	Typically 8 – 12 m	Permeable	
Lincolnshire Limestone Formation	Limestone, typically calcilutites and peloidal wackestones and packstones in the lower part and high energy ooidal and shell fragmental grainstones in the upper part.	Typically 0 – 30 m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the majority of the site has never been developed, and widespread Made Ground would not be anticipated, however there may be localised Made Ground at the structure located within Brickyard Plantation.

The site would be expected to be directly underlain by a limited thickness of topsoil.

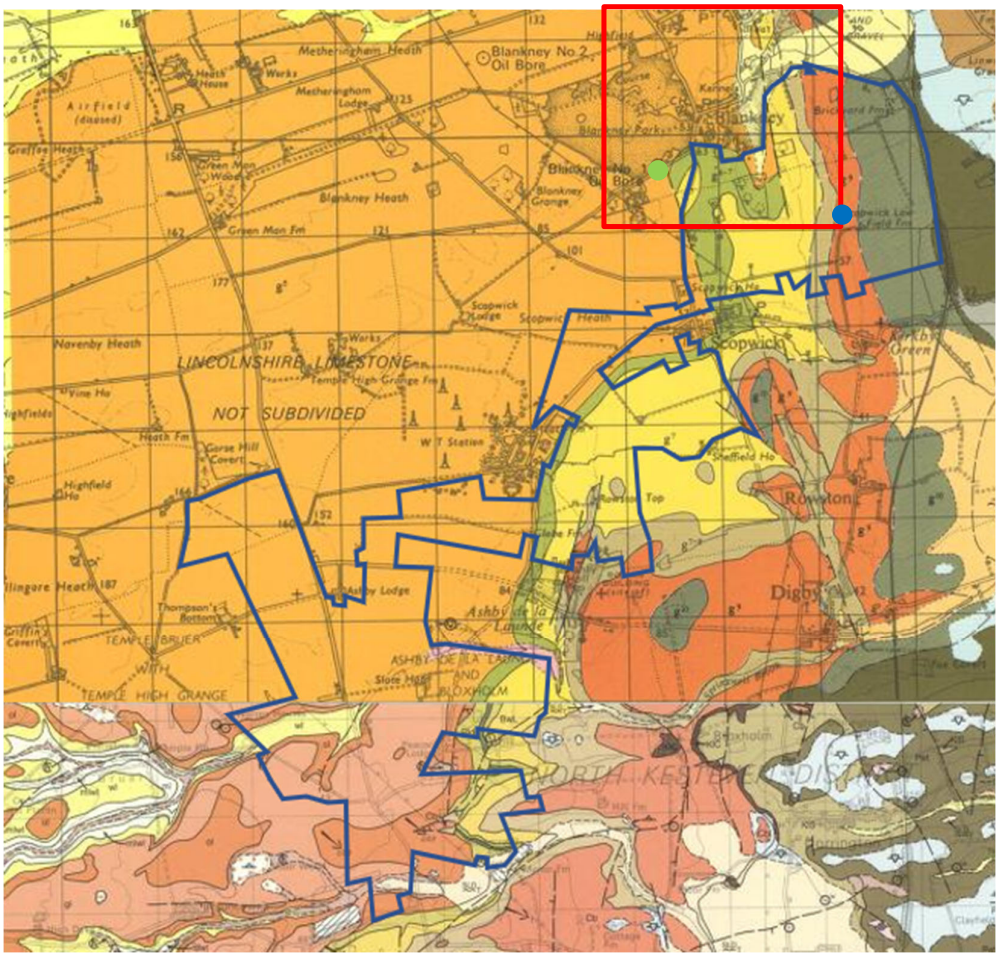


Image 13: Anticipated Geology – Zone L

A summary of historical BGS borehole records within and near the zone are provided in **Table 72** below.

Table 72 Summary of BGS borehole records – Zone L

Borehole ref	Depth (m)	Map Legend
TF05 NE1	940.00	
TF05 NE16	18.00	

A copy of these borehole logs is presented in Appendix E.

15.3.2 Radon

The environmental database report indicates that the zone is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 5-10% of

homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area. Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the zone is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 “Radon: Guidance on Protective Measures for New Dwellings (2015)”.

15.4 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500m of the zone.

15.4.1 Areas of other (rock or mineral) mining

Zone L lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member. While there is no evidence of pits or quarries within the zone, there is a large quarry located immediately adjacent to the zone to the southwest (Longwood Quarries).

15.5 Hydrogeology

A summary of the hydrogeological setting of the zone, with respect to the anticipated geological sequence, is presented below in **Table 73**.

Table 73 Summary of hydrogeological setting – Zone L

Condition	Description
Aquifer characteristics	Zone L is underlain by a Secondary A Aquifer relating to the Cornbrash Formation, a Secondary B Aquifer relating to the Rutland Formation and unproductive strata relating to the Blisworth Clay Formation, as well a Principal Aquifer relating to the Blisworth Limestone Formation and the Lincolnshire Limestone Formation. The potential presence of low permeability clay at relatively shallow depths beneath the site, while restricting downwards migration, may increase the potential for lateral migration of shallow groundwater (and therefore mobile contamination, if present).
Depth to groundwater and flow	The anticipated depth to groundwater is in the order of 12 m below ground level estimated from BGS Logs. Shallow groundwater in the zone area is anticipated to flow in an easterly direction, i.e. in line with local topography and in the

Condition	Description
	direction of the River Witham. Localised shallow groundwater may be present within superficial granular deposits such as the Tidal Flat Deposits.
Groundwater recharge/ attenuation	Most of the site is currently unsurfaced and will therefore drain to ground.
Licensed groundwater abstractions	The environmental database report indicates that there are 2 groundwater abstractions within a 1 km radius of the zone, none of which are licenced for public potable water supply.
Source protection zones	Information available in the Envirocheck report indicates that the zone does not lie within a designated source protection zone.

15.6 Hydrology

A summary of the hydrology within the zone area is summarised in **Table 74**.

Table 74 Summary of hydrology in site area – Zone L

Condition	Description
Surface watercourses/ features	There are some small ponds located within and around the zone, as well as multiple drainage ditches within and around the zone. There is a stream running through the village of Blankney which flows to the east.
Surface water abstractions	The environmental database report indicates that there are 9 surface water abstractions within a 1 km radius of the zone.
Site drainage	Evidence from the Envirocheck report indicates that drainage ditches/streams are present within the zone and in the surrounding area.
Preliminary flood risk assessment	The indicative floodplain map for the area shows that the majority of the zone does not lie within any designated floodplains, with the exception of a small area in the east of the zone, which is in zones 2 and 3 (flooding/extreme flooding from Rivers without defences).

15.7 Sensitive land uses

Table 75 provides a summary of any environmentally sensitive areas identified within 250 m of the zone based on the environmental database report.

Table 75 Environmentally sensitive areas – Zone L

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	0	N/A	N/A
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	0	N/A	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	0	N/A	N/A
Nearest high sensitivity development, e.g. residential	Yes	Residential: Blankney Hall	Lateral migration of potential contamination.

16 DESK-BASED ASSESSMENT – ZONE M

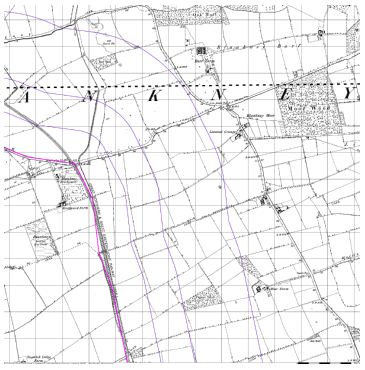
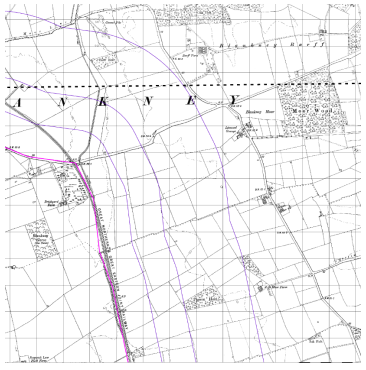
16.1 Site history

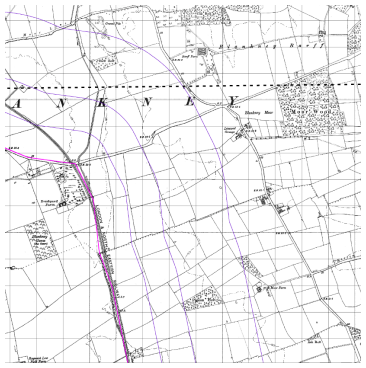
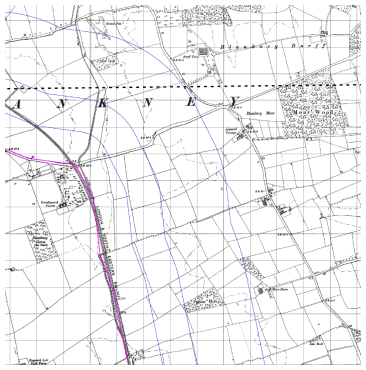
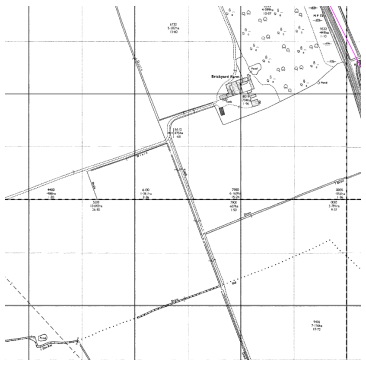
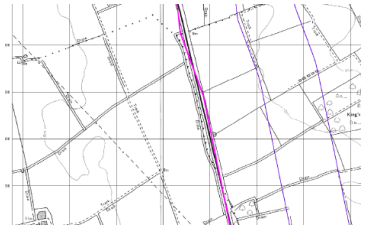


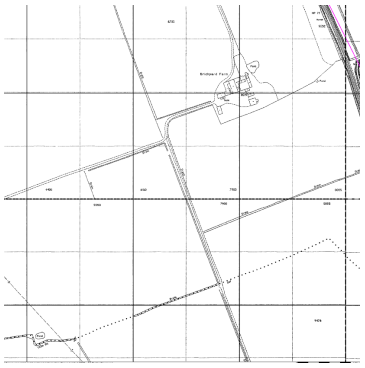
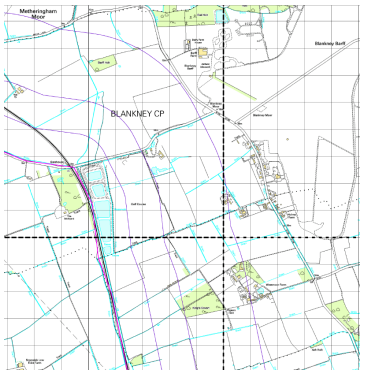
16.1.1 Historical development record

The development history of Zone M and the surrounding area based upon assessment of historical plans and records is detailed in **Table 76**. The historical maps reviewed are shown within the environmental database report in Appendix D13.

Table 76Summary of historical development – Zone M

Date from	Date to	Historical Land Use (on-site)	Area of site
1887	1888	Blankney Farm and Blankney Brickyard are located in the northeast of the zone (M5 and M9), and there are some small ponds in the brickyard. Blankney Gorse is located in the centre of the zone (M5), and there are other small ponds located around the zone in the west. Scopwick Lodge Farm is located in the southwest of the zone (M1). Blankey Farm, Blankney Brickyard and Scopwick Lodge are all technically outside the site redline boundary and therefore treated as off-site features going forward.	
1889	1904	Data Gap	
1905	1906	No Change	
1907	1946	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1947	1950	No Change	
1951	1955	Data Gap	
1956		Blankney Gorse is no longer present on the site.	
1957	1978	Data Gap	
1979		No Change	
1980	1984	Data Gap	
1985		There are many drains labelled within the zone. No other significant change.	
1986	1993	Data Gap	

Date from	Date to	Historical Land Use (on-site)	Area of site
1994		No Change	
1995	1999	Data Gap	
2000		No Change	
2001	2021	Data Gap	
2022		No Change	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
1887	1888	The surrounding area is primarily fields, presumably used for agricultural purposes. The Great Northern and Great Eastern Joint Railway is located along the eastern boundary of the zone, and there is a road running in an east-to-west direction along the northern boundary of the zone. There are some small ponds located around the zone to the north and the east, and there is a Gravel Pit and an Old Gravel Pit located approximately 850 m north of the zone. A forested area called Pigeon Holt is located 500 m southeast, and Barf Holt is located 750 m north, just south of the	

Date from	Date to	Historical Land Use (off-site)	Distance (m) and orientation
		Old Gravel Pit. Moor Lane is located 800 m north of the zone. There is a watercourse running alongside the railway line, which splits off in a north-easterly direction at the northern boundary of the zone. The water is flowing in a north-bound direction. Moor Farm is located approximately 1.1 km southeast of the zone.	
1889	1904	Data Gap	
1905	1906	No Significant Change	
1907	1946	Data Gap	
1947	1950	No Significant Change	
1951	1955	Data Gap	
1956		Moor Farm has been developed and has expanded to be within 1 km of the zone in the southeast. There is now an airfield located 1 km northeast of the zone, and some structures have been built 1 km east of the zone, possibly associated with the airfield. There is a small building located 500 m northwest of the zone.	
1957	1972	Data Gap	
1973	1979	No Significant Change	
1980	1984	Data Gap	
1985		There has been a large amount of development around the airfield, although this may not be associated with it directly. Pigeon Holt is now named as King's Covert, and Moor Farm is now named Westmoor Farm. There are many drains labelled across the zone.	
1986	1993	Data Gap	
1994		No Significant Change	
1995	1999	Data Gap	
2000		The airfield is marked as disused. There are five reservoirs located immediately adjacent to the north-eastern boundary of the site, and beyond these there is a golf course where there are some structures which are presumably buildings associated with the golf course.	
2001	2021	Data Gap	
2022		Blankney Koi Centre is located east of the golf course. No other significant change.	
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☐ Previous reports ☐			
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.			

The most significant sources of potential contamination are associated with the agricultural land use of the site. It should be noted that while Blankey Farm, Blankney Brickyard and Scopwick Lodge are all shown within the site boundary in the historical maps, in reality they are located outside the site redline boundary and would be considered off-site features.

It is not clear whether the land functioned as arable farmland, however if this is the case then there may be some level of contamination associated with agricultural industry and the use of pesticides, herbicides and fertilisers.

16.2 Information from environmental database report

Relevant environmental permits and incidents detailed within the environmental database report (see Appendix D13) are summarised below in **Table 77**.

Table 77 Summary of environmental permits, landfills and incidents – Zone M

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	0	N/A
Enforcement and prohibition notices	0	0	0	N/A
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Discharge consents	1	0	2	On site: British Railways Eastern Region, Ref. Pr3lfu437, 08/01/1970 to 01/10/1996, Unknown Type, Onto Land. 338 m N: Martin Moor Golf Club Ltd, Ref. Prnnf18569, Issued 06/06/2006, Sewage and Trade Combined, Freshwater Stream/River, Tributary New Cut Drain. 941 m SE: Edward P F Scoley, WWTW, Prnnf12126, 15/09/1197, Sewage Discharges (Final/Treated Effluent), Freshwater Stream/River, Unnamed Ditch Tributary Queen.
Registered radioactive substances	0	0	0	N/A
Landfill and waste				
Active landfills	0	0	0	N/A
Historic / closed landfills	0	0	0	N/A

Data type	Entries on-site	Entries <250 m from site	Entries >250 m from site of relevance	Details
Other waste management licences	0	0	0	N/A
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	0	0	0	N/A
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	0	N/A
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	0	N/A
Contaminated land Part 2A register entries and notices	0	0	0	N/A
Contemporary trade directory entries	0	0	0	N/A
Fuel station entries	0	0	0	N/A
Note: Entries have only been included within the table where they are located within a 250 m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

16.3 Information from regulatory authorities

16.3.1 Site services

Buried utility services and their backfill can provide preferential pathways for gas, vapour or groundwater to migrate along to another part of the site or to a receptor. They can also represent significant constraints to development.

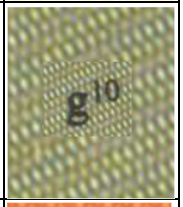
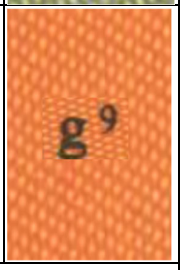
Obtaining a full set of service plans was outside the scope of this report. Services identified on-site during the walkover are detailed in section 17.

16.4 Site geology

16.4.1 Anticipated geological sequence

Published records (British Geological Survey, 2022) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in **Table 78**.

Table 78 Site geology – Zone M

Strata	Description	Estimated thickness	Permeability	Map Legend
Tidal Flat Deposits (north east of the site only)	Normally a consolidated soft silty clay with layers of peat, sand and a basal gravel. A stronger, desiccated surface zone is sometimes present.	Variable	Variable	
Kellaways Formation	Mudstone, grey, commonly silici-silty or silici-sandy, with (predominantly in the upper part) beds of generally calcareous siltstone and sandstone.	Typically 5 – 8m	Permeable	
Cornbrash Formation (east of the site only)	Limestone, medium to fine grained, predominantly bioclastic wackestone and packstone with sporadic peloids. Thin argillaceous partings or interbeds of argillaceous mudstone may occur.	Typically 2 – 4m	Permeable	
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☐ Previous SI reports ☐				

With reference to the historical data the majority of the site has never been developed, and widespread Made Ground would not be anticipated.

The site would be expected to be directly underlain by a limited thickness of topsoil.

Table 79 Summary of BGS borehole records – Zone M

Borehole ref	Depth (m)	Map Legend
TF06 SE20	69.22	
TF05 NE17	18.00	
TF05 NE22	59.00	

A copy of these borehole logs is presented in Appendix E.

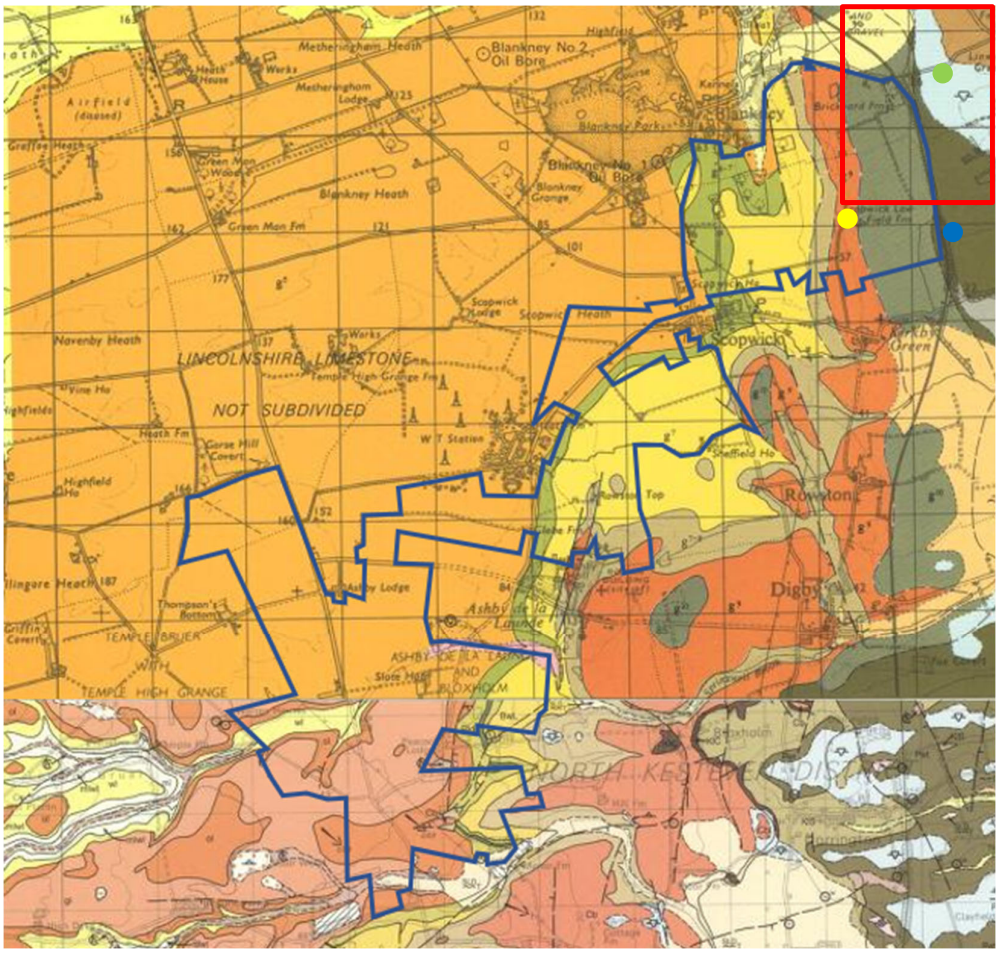


Image 14: Anticipated Geology – Zone M

16.4.2 Radon

The environmental database report indicates that the zone is located within an area where more than 1% of homes are above the Action Level (termed an 'Affected Area') and indicates that radon protection measures are required. The report indicates that 5-10% of homes are at or above the Action Level of 200 Bq m-3. Although the radon data used in production of the ukradon.org indicative atlas comes from measurements in homes, the maps indicate the likely extent of the local radon hazard in all buildings.

In Affected Areas radon concentrations are generally low in well-ventilated workplaces such as workshops, but problems have been found in some more confined workplaces, such as offices, where rates of ventilation are relatively slow. HSE guidance suggests that where a premise is in an Affected Area, the employer should take a precautionary approach and undertake measurements in all premises located within an Affected Area.

Based on the information in the database report, it would be prudent to arrange monitoring of any poorly ventilated areas to determine if there is a current risk to site staff. If the site is considered for future residential development, further assessment will be required, in line with the guidance provided in BRE publication 211 “Radon: Guidance on Protective Measures for New Dwellings (2015)”.

16.5 Mining and quarrying

Evidence has been sought to identify any mining, quarrying, landfilling and land reclamation operations, past and present, which have taken place within 500 m of the site.

16.5.1 Areas of other (rock or mineral) mining

Zone M lies in an area with a known history of quarrying of limestone from the Lincolnshire Limestone Member. While there is no evidence of pits or quarries within the zone, historically there were some gravel pits located approximately 850 m north of the zone.

16.6 Hydrogeology

A summary of the hydrogeological setting of the zone, with respect to the anticipated geological sequence, is presented below in **Table 80**.

Table 80 Summary of hydrogeological setting – Zone M

Condition	Description
Aquifer characteristics	Zone M is underlain by a Secondary A Aquifer relating to the Kellaways Formation and the Cornbrash Formation. The potential presence of low permeability clay at relatively shallow depths beneath the zone, while restricting downwards migration, may increase the potential for lateral migration of shallow groundwater (and therefore mobile contamination, if present).
Depth to groundwater and flow	The anticipated depth to groundwater is in the order of 16.6 m below ground level estimated from BGS Logs. Shallow groundwater in the zone area is anticipated to flow in an easterly direction, i.e. in line with local topography and in the direction of the River Witham. Localised shallow groundwater may be present within superficial granular deposits such as the Tidal Flat Deposits.
Groundwater recharge/ attenuation	Most of the zone is currently unsurfaced and will therefore drain directly to ground.
Licensed groundwater abstractions	The environmental database report indicates that there are 2 groundwater abstractions within a 1 km radius of the zone, none of which are licenced for public potable water supply.
Source protection zones	Information available in the Envirocheck report indicates that the zone does not lie within a designated source protection zone.

16.7 Hydrology

A summary of the hydrology within the zone area is summarised in **Table 81**.

Table 81 Summary of hydrology in site area – Zone M

Condition	Description
Surface watercourses/ features	There are some small ponds located within and around the zone, as well as multiple drainage ditches on and around the site. There is a stream running alongside the railway line on the eastern boundary of the site, flowing in a northerly direction.
Surface water abstractions	The environmental database report indicates that there are no surface water abstractions within a 1 km radius of the zone.
Site drainage	Evidence from the Envirocheck report indicates that drainage ditches/streams are present within the zone and in the surrounding area.
Preliminary flood risk assessment	The indicative floodplain map for the area shows that the northeast of the zone lies within flood zones 2 and 3 (flooding/extreme flooding from Rivers without defences).

16.8 Sensitive land uses

Table 82 provides a summary of any environmentally sensitive areas identified within 250 m of the site based on the environmental database report.

Table 82 Environmentally sensitive areas – Zone M

Feature	Present within 250 m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	0	N/A	N/A
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	0	N/A	N/A
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	0	N/A	N/A
Nearest high sensitivity development, e.g. residential	Yes		

17 SITE RECONNAISSANCE FINDINGS

A site reconnaissance survey was completed between the 20th and 21st October 2022 by RSK. The characteristics of the site observed during the walkover and from current ordnance Survey maps are summarised in **Table 83**.

A site plan showing the photograph locations is provided in Figure 6 with photographic records included in Appendix F detailing the main features identified below.

Whilst the walkover summary includes consideration of current operations and housekeeping on the site as potential sources of contamination, it does not constitute a comprehensive environmental audit of the site, as covered under ISO 14001.

Table 83 Site reconnaissance findings

Feature	Description
Physical characteristics	
Access constraints	The site comprises many fields which do not all have easy access points. Many are accessible from main roads, while others are only accessible via adjoining fields.
Site topography	Due to the nature of the site, the ground was often uneven, however the majority of the site was essentially flat, with some exceptions. In general, across the entirety of the site the ground slopes downwards to the east, and in the west of the site (Zone D), the site was sloping downwards to the south.
Surface cover	The vast majority of the site was unsurfaced. There were some small areas of hardstanding found in various areas, including; zone A16 (central), zone E16 (northeast) and zone M5 (northeast) and zones J13 and M1. These hardstanding areas are all associated with agricultural activity around the site, and appear to be for stockpiling (A16, E16, M5) or there are buildings in the particular area (J13 and M1).
Site drainage	Many drainage ditches were noted across the site, some of which had outfall points. It is likely that the site is draining to lesser watercourses such as Scopwick Beck and Springwell Brook, with all watercourses ultimately discharging into the River Witham in the east. There were areas of waterlogging noted around the site, however the site walkover was conducted on two days of heavy rainfall.
Surface water	There were multiple drainage ditches on and adjacent to the site. No visual evidence of contamination was noted in any watercourses. The nearest major watercourse to the site is the River Witham to the east.
Trees and hedges	Most of the fields are divided by trees, hedges or shrubs, and there are multiple forested areas across the site, found in zones B10, B14, D4, E6, H4, L3, L8 and L12.
Invasive species	Based upon the walkover survey obvious evidence of Japanese Knotweed or other invasive species has not been identified on-site. However, it should be noted that a detailed survey of the possible presence or absence of invasive species is outside of the scope of

Feature	Description
	investigation and consideration should be given to commissioning a specialist survey, as necessary.
Existing buildings on-site	The site contains multiple buildings associated with its agricultural land use, including; Scopwick Low Field Farm (J13 and M1), two barns (both located in M5, one in the southwest and one in the northeast), and two residential homes (both located in M9, one in the central south and one in the southeast).
Retaining walls and adjacent buildings on or close to site boundary	No retaining walls observed. There are some buildings which are located within the outer site boundary site but are not within the overall site redline boundary. These include a sewage works facility located within H4, a residential home and equestrian facility within F13, the Slate House estate in E2 and E6 and a dilapidated barn located in I5.
Basements on-site	No evidence of existing or infilled basements was observed.
Made ground, earthworks and quarrying	None observed
Potentially unstable slopes on or close to site	None observed
Buried and overhead services present	Overhead services were noted in multiple locations across the site, including; L12, L8, M5, J14, M9, I9, I15, I16, M1, L6, E16, E15, B13, D4. There were several manhole covers noted on site within zones M5, M2, I16, I15, I9 and E9. Additionally, there was a gas pipeline marker observed in zone I6, and gas taps were noted in zone E, specifically running in an east-to-west direction across E15, E14, E13.
Environmental characteristics	
Underground/ above ground storage tanks and pipework	There was a storage tank noted within zone M5, although technically this does not fall within the site redline boundary. The absence of bunding, staining or any other pumping infrastructure suggests this is probably used as water storage. No other storage tanks observed.
Potentially hazardous materials storage and use	None observed, however, considering the agricultural land use of the site there are likely to be chemicals and other materials stored on site which were not directly observed during the reconnaissance survey.
Asbestos-containing materials	No obvious asbestos construction materials were observed but a detailed survey of the buildings would be required to confirm the presence or otherwise of asbestos-containing materials.
Waste storage	None observed
Fly-tipping	None observed
Electricity sub-stations/ transformers	None observed

Feature	Description
Evidence of possible land contamination on-site	None observed
Potential off-site sources of ground contamination	There are quarries located adjacent to the site in the southwest (A8 and B5) and the northeast (L1, L2, I13, I14), there is RAF Digby Sewage Treatment Works located in H4 and there is a petrol filling station located in I10. These sites represent the most likely off-site sources of contamination due to their industrial activities and their close proximity to the site.

No potentially significant on-site land contamination or geotechnical issues were identified during the site reconnaissance survey.

RAF Digby, the sewage treatment works and quarries directly adjacent to the site boundaries may be considered potential sources of off-site contamination.

Due to the size of the site, the reconnaissance survey was generally limited to the external perimeter of the site and therefore a number of the former ponds and quarries were not directly observed.

18 PRELIMINARY GEOTECHNICAL CONSTRAINTS

18.1 Design class

BS EN 1997-1 defines three different Geotechnical Categories that structures may fall into, which are summarised as follows:

- Category 1: Small and relatively simple structures for which it is possible to ensure that the fundamental requirements will be satisfied on the basis of experience and qualitative geotechnical investigations; with negligible risk
- Category 2: Conventional types of structure and foundation with no exceptional risk or difficult ground or loading conditions
- Category 3: Structures or part of structures, which fall outside limits of Geotechnical Categories 1 and 2. Examples include very large or unusual structures; structures involving abnormal risks, or unusual or exceptionally difficult ground or loading conditions; structures in highly seismic areas; structures in areas of probable site instability or persistent ground movements that require separate investigation or special measures.

Based on the information provided above on the proposed development and in view of the anticipated ground conditions, a Geotechnical Category of Category 2 has been assumed for the purposes of designing the geotechnical investigation. This should be reviewed at all stages of the investigation and revised where necessary.

18.2 Preliminary geotechnical hazards assessment

A summary of commonly occurring geotechnical hazards associated with the anticipated geology identified within each zone is given in **Table 84** together with an assessment of whether the site may be affected by each of the stated hazards.

Table 84 Summary of preliminary geotechnical risks that may affect site

Hazard category	Zone of site likely to be affected based on desk study findings and proposed development*	Engineering considerations if hazard affects site
Sudden lateral changes in ground conditions	**A, B, E, F, H, I, J, L, M** These zones underlain by multiple geological strata from surface	Likely to affect ground engineering and foundation design and construction
Shrinkable clay soils	**A, B, D, F, I, J, L, M** Relates to all strata except unweathered limestone	Design to NHBC Standards Chapter 4 or similar

Hazard category	Zone of site likely to be affected based on desk study findings and proposed development*	Engineering considerations if hazard affects site
Highly compressible and low bearing capacity soils, (including peat and soft clay)	**A, B, D, L, M** Relates to Superficial Head Deposits and Tidal Flat Deposits	Likely to affect ground engineering and foundation design and construction
Silt-rich soils susceptible to rapid loss of strength in wet conditions	**A, B, D, E, F, H, I, J, L, M** Relates to all strata except unweathered limestone	Likely to affect ground engineering and foundation design and construction
Running sand at and below water table	**A, B, D, E, F, G, H, I, J, L, M** Potentially relates to all saturated granular soils (including weathered limestones)	Likely to affect ground engineering and foundation design and construction
Karstic dissolution features (including 'swallow holes' in Chalk terrain)	**A, B, D, E, F, G, H, I, J, L, M** Relates to multiple Limestone strata	May affect ground engineering and foundation design and construction – refer to Section 4.1.2
Evaporite dissolution features and/or subsidence	Unlikely to be present due to anticipated absence of evaporite deposits	May affect ground engineering and foundation design and construction
Ground subject to or at risk from landslides	Unlikely to be present due to gentle topography	Likely to require special stabilisation measures
Ground subject to peri-glacial valley cambering with gulls possibly present	Unlikely to be present due to gentle topography	Likely to affect ground engineering and foundation design and construction
Ground subject to or at risk from coastal or river erosion	Unlikely to be present	Likely to require special protection/stabilisation measures
High groundwater table (including waterlogged ground)	**A, B, D, E, F, G, H, I, J, L, M** Considered likely to be present across all areas of low-lying ground	May affect temporary and permanent works
Rising groundwater table due to diminishing abstraction in urban area	Unlikely to be present	May affect deep foundations, basements and tunnels
Geological faults, fissures and breaklines	**A, B, D, E, F, G, H, I, J, L, M** Potential exists for all areas	May affect ground engineering and foundation design and construction

Hazard category	Zone of site likely to be affected based on desk study findings and proposed development*	Engineering considerations if hazard affects site
Underground mining, including shafts and adits (e.g. coal, mineral)	**A, B, D, E, F, G, H, I, J, L, M** Potential exists for all areas	Likely to require further assessment including potentially special stabilisation measures
Effects of extreme temperature (e.g. cold stores or brick kilns/furnaces)	Unlikely to be present	Likely to affect ground engineering and foundation design and construction
Existing sub-structures (e.g. tunnels, foundations, basements, and adjacent sub-structures)	Unlikely to be present	Likely to affect ground engineering and foundation design and construction
Filled and made ground (including embankments, infilled ponds and quarries)	**B, D, E, F, G, H, I, J, L, M** Infilled ponds, stone pits and gravel pits. Possible overspill made ground from RAF airfield and sewage works.	Likely to affect ground engineering and foundation design and construction
Adverse ground chemistry (including expansive slags and weathering of sulphides to sulphates)	**B, F, I, J, L, M** Oxford Clay Formation, Blisworth Clay and Kellaway Formation is considered to be pyrite-rich	May affect ground engineering and foundation design and construction
Site topography	Not present – topography fairly gentle across site area	May affect ground engineering and foundation design and construction
*Preliminary assessment must be confirmed by intrusive ground investigation Note: Seismicity is not included in the above table as this is not normally a design consideration in the UK.		

19 UNEXPLODED ORDNANCE

A Stage 1 Unexploded Ordnance (UXO) Preliminary Risk Assessment has been carried out by Brimstone Site Investigation to highlight any sources of UXO with the potential to contaminate the site.

The Preliminary UXO Assessment is presented in full as Appendix H.

The site was considered to be at a potential risk of UXO due to the proximity of RAF Digby, which may have been targeted by enemy aircraft during the second world war. In addition, the undeveloped and unoccupied nature of the site may have resulted in potential strikes going unrecorded.

A Detailed UXO Risk Assessment was recommended to further assess risks to the proposed development works.

20 INITIAL CONCEPTUAL SITE MODEL

In the UK land contamination is assessed using a risk-based approach taking account of the magnitude (severity of the hazard) and likelihood (probability) of occurrence. A 'receptor' is something that could be adversely affected by contamination (e.g. people, an ecological system, property or a water body). A 'pathway' is a route or means by which a receptor is or could be exposed to or affected by a contaminant. A 'contaminant source' is a hazard but it can only pose a risk to a receptor where a pathway is present. The relationship between sources, pathways and receptors are referred to as a conceptual site model. A risk can only be released where a contaminant source, pathway and receptor are all in place, referred to as a 'pollutant linkage'.

In line with LCRM (Environment Agency, 2021) and BS 10175: 2011 + A2 2017 (BSI, 2017), RSK has used information in the preceding sections to identify hazards (sources of contaminants), receptors that may be impacted and plausible linking pathways. Where all three are present this is termed a potentially complete contaminant linkage and a qualitative risk estimation is made.

20.1 Potential soil, soil vapour and groundwater linkages

20.1.1 Potential sources of contamination

Potential sources of soil and groundwater contamination identified from current activities and the history of the site and surrounding area are presented in **Table 85**. Ground gas sources are addressed in the next section.

Table 85 Potential sources of soil and groundwater contamination

Potential sources	Contaminants of concern
On-site	
Made ground (anticipated to be localised to historical structures and roads)	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos
Former quarry or pit (*c.*1920s to 1960s) identified throughout site area in multiple zones	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos
Agricultural land use	Pesticides, herbicides, fertilisers, fuels, and oils.
Off-site	
Petrol filling station, from 100 m north, zone I	Petroleum hydrocarbons, fuel additives, PAHs, chlorinated solvents, asbestos
Landfills (Brauncewell and Longwood Quarry) and infilled former pits	Inert/ commercial/ industrial/ municipal waste. Landfill leachate including ammoniacal nitrogen, chloride,

Potential sources	Contaminants of concern
Railway, 5 m east of the site in zone M and zone J	Petroleum hydrocarbons, toxic and phytotoxic metals, inorganics, PAHs, asbestos, herbicides
Agricultural land use	Pesticides, herbicides, fertilisers, fuels, and oils.
Historical RAF airfield extending to the western boundary of H8	Aviation fuels such as kerosene in addition to standard total petroleum hydrocarbons (TPH), toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAH), asbestos. Potential unexploded ordnance (UXO)
Sewage works within zone H4	Toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos, fuel oils, polychlorinated biphenyls (PCBs), micro-organisms (e.g. salmonella, typhus bacteria)

Potential contamination from the fuel station could form LNAPL.

20.1.2 Sensitive receptors and linking exposure/ migration pathways

Sensitive receptors identified at or in the vicinity of the site that could be affected by the potential sources identified above comprise:

- Future site users – Commercial/industrial workers [oral, dermal and inhalation exposure with impacted soil, soil vapour and dust, inhalation of vapours from groundwater]
- Current adjacent site users – residential, public open space users [migration of contamination via dust/fibre deposition, vapour or groundwater migration combined with inhalation]
- Future buildings and services [direct contact with contaminated soils or groundwater and chemical attack]
- Groundwater in secondary A and secondary B aquifers within superficial deposits [leaching from soils/ percolation to aquifer]
- Groundwater in principal aquifer within Lincolnshire Limestone and Blisworth Limestone bedrock deposits [percolation through permeable strata to aquifer]

Potential linking pathways are show in brackets for each item above.

Please note that construction workers and future maintenance workers have not been identified in the conceptual model as receptors because risks are considered to be managed through health and safety procedures according to the CDM Regulations.

Ecological receptors are only considered within the conceptual model in the context of statutory protected sites.

20.2 Potential ground gas linkages

20.2.1 Ground gas generation potential

Potential ground gas sources identified for the site and surrounding are shown in **Table 86**.

Table 86 Potential ground gas sources

Potential sources	Indicative ground gas generation potential (CIEH, 2008)	Additional information
On-site		
Natural carbonate soil and strata such as chalk and limestone	Very low	The bedrock geology across much of the site is limestone of the Lincolnshire Limestone Member or the Blisworth Limestone Formation.
Made ground with low degradable organic content (e.g. up to 5% organic material and no easily degradable waste).	Very low	There may be Made Ground associated with the roads that cross the site and some of the adjacent buildings, as well as some of the disused pits and quarries.
Infilled pond less than 15m diameter, in-filled before 1930s to 1940s	Very low	Numerous former stone pits and gravel pits that have been infilled
Off-site		
Natural carbonate soil and strata such as chalk and limestone	Very low	Much of the bedrock geology surrounding the site is limestone of the Lincolnshire Limestone Member or the Blisworth Limestone Formation.
Made ground with low degradable organic content (e.g. up to 5% organic material and no easily degradable waste).	Very low	There is likely to be Made Ground associated with off site development.
Sewage sludge	Moderate	There are two sewage facilities adjacent to the site, one within H4 and another 300m outside Zone E.
Landfill mid-1960s to early 1990s – Inert	Low	Neither of the landfill facilities adjacent to the site are licensed to take biodegradable waste, and neither are they able to accept construction waste.
Landfill early 1990s onwards – Inert	Low	

The assessment has identified potential sources of ground gases, notably a number of infilled quarries and gravel pits across the site, a Sewage Works located within an off-site enclave in zone H4 and two landfill sites located adjacent to the site boundaries.

The on-site former quarries and gravel pits are fairly small in size, no more than 50 m and are presumed to have been backfilled with inert and/or natural materials. Individually,

especially given their distribution across the site, they are not considered to pose a significant source of ground gases.

The landfill sites to the southwest and centre-west (Brauncewell Quarry and Longwood Quarry respectively) were historically (and are currently) licensed to accept inert and non-biodegradable wastes. However, given their size and the proximity to the site area, these sources should be considered further as viable gas sources in the conceptual model.

The sewage works within the off-site enclave in zone H4 may have generated sewage sludge that is buried or spread on site. The size of the works suggests that any such material would be limited, and thus the potential for generation of ground gases would be considered to be limited.

20.2.2 Preferential pathways for ground gas migration

Credible preferential pathways potentially connecting the source and receptor through vertical and lateral migration are:

- geology of the superficial granular deposits and weathered limestones, all of which are likely to be permeable.
- faults/ fissures/ fractures in the underlying Lincolnshire Limestone Formation, Blisworth Limestone Formation, Cornbrash and Rutland Formation
- building foundations, piled foundations and vibro-stone columns
- construction joints and cracks within building structure
- utility routes and service penetrations into buildings

20.2.3 Sensitive receptors and linking pathways

Sensitive receptors identified at or in the vicinity of the site that could be affected by the potential ground gas sources identified above comprise:

- future site users – commercial/industrial workers [migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/ asphyxiation]
- current/adjacent site users – residential users, commercial/industrial workers [migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/ asphyxiation]
- current/future buildings and services [migration and ingress of ground gases into buildings, build-up in confined spaces and explosion].

The assessment has identified receptors to include building structures and proposed end-users.

Construction workers have not been identified as receptors for the purposes of this assessment. Risks may still be present to construction workers especially where works include the entry into excavations within the ground. Construction workers should undertake appropriate risk assessments and risks should be managed through health and safety procedures and the use of PPE.

20.3 Preliminary risk assessment

The preliminary risk assessment findings and potentially complete contaminant linkages are shown in **Table 87** overleaf. The risk classification based on the combination of hazard consequence and probability using a risk matrix from CIRIA C552 (Rudland et al., 2001), a summary of which is included in Appendix G. This relates to Tier 1 preliminary risk assessment in LCRM (Environment Agency, 2021).

Table 87 Risk estimation for potentially complete contaminant linkages

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Contamination associated with localised areas of made ground or agricultural land use	Future site users	Direct contact, oral, dermal and inhalation exposure with impacted soil, soil vapour and dust, and inhalation of vapours from groundwater.	Unlikely	Medium	Low	The future land use will comprise photovoltaic panels throughout the fields, in what is likely to be an unmanned site. Any attendance by site workers is thought to be sporadic and most likely associated with the maintenance of the solar panels, thus reducing the potential for direct contact with soil. Additionally, due to the largely undeveloped nature of the site and the exclusion of areas with any development, Made Ground is not anticipated to be widespread or abundant except in localised areas.
	Adjacent site users		Unlikely	Medium	Low	Migration of contaminants via wind deposit on in sufficient quantities as to be harmful is considered unlikely, especially considering that significant quantities of Made Ground is not anticipated. Additionally, the depth to groundwater is anticipated to be in the order of 2.5 to 30 mbgl.

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Contamination associated with localised areas of made ground or agricultural land use	Future buildings, infrastructure and services	Direct contact with contaminated soils or groundwater, and chemical attack	Low Likelihood	Mild	Low	Any contamination or made ground is likely to be localised and limited in extent and may be removed as part of future earthworks.
	Groundwater within bedrock aquifers and subsequent potable borehole abstractions	Percolation through permeable strata to aquifer	Low likelihood	Mild Medium (Zone H and I only)	Low **Moderate/Low** (Zone H and I only)	The impact of potential contamination within near surface soils leaching and impacting groundwater will only be likely where groundwater levels are higher than 5 m. Across the majority of the site, groundwater is anticipated below 15 m depth. Ultimately, the only viable receptor is the localised SPZ1 located within zones H and I. Additional consideration to protection of groundwater resources may need to be given in these zones of the site.

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Contamination associated with localised areas of made ground or agricultural land use	Surface waters	Lateral migration of groundwater through soils/bedrock and field drains	Low likelihood	Medium	Low	Surface watercourses are present and run into larger watercourses to the east. Any sources of contamination could migrate to nearby watercourse through lateral migration in superficial deposits or surface water flow across possibly saturated ground. Sources of contamination are thought to be relatively small and localised and therefore possible impact to surface watercourses and downstream receptors may be limited.
Petrol filling station located 100m north of zone I	Future site users	Direct contact, oral, dermal and inhalation exposure with impacted soil, soil vapour and dust, and inhalation of vapours from groundwater.	Unlikely	Medium	Low	The site is not anticipated to be a manned facility and therefore prolonged exposure to any potential contaminants is considered unlikely. In addition, the depth to groundwater is anticipated to be in excess of 3 mbgl, and therefore exposure to impacted vapours is deemed unlikely.
Off-site Made Ground and potentially infilled quarries and pits Includes potential Sewage sludge associated with	Future site users	Lateral migration and oral, dermal and/or inhalation exposure with impacted soil, soil vapour and dust, and inhalation of vapours from groundwater.	Unlikely	Medium	Low	

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Sewage works in Zone H4.	Future site users and proposed structures	Asphyxiation or build up in confined spaces followed by explosion	Unlikely (no manned structures) Low likelihood (manned structures)	Medium	Low (no manned structures) **Low to moderate** (manned structures)	Whilst large landfill sites are located adjacent to the site boundaries, these were licensed to accept inert non-biodegradable waste. In addition, the proposed development is understood to comprise a primarily unmanned solar farm. Consideration to this risk may need to be given should manned structures be proposed within the affected areas of the site.

Risk matrix		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Potentially complete contaminant linkages with a potential risk of moderate to low or higher identified in **Table 87** comprise:

- Potential impaction of shallow groundwater within SPZ1 via leaching of contaminated soils through the infiltration of rainwater – **Zones H and I only**
- Migration of ground gases from adjacent landfill sites and accumulation in enclosed spaces resulting in asphyxiation and/or explosion **– Zones A, B, I, L only and only if proposed development comprises manned and/or enclosed structures**

These potentially complete contaminant linkages need to be assessed further through appropriate site investigation to target the identified sources of potential contamination and assess the feasibility of identified pathways.

20.4 Data gaps and uncertainties

Key data gaps and uncertainties identified in the CSM at desk study stage include:

- gaps in available historical OS maps 1889 to 1904, 1907 to 1946, 1952 to 1955, 1957 to 1977, 1981 to 1984, 1986 to 1993, 1996 – 1999 and 2001 to 2021.
- access not available to some areas within zone B (B5, B6, B9, B10, B11), D (D14, D15, D16) and G (G3 and G4), as these were added for to the desk-study after the site reconnaissance survey had taken place
- Due to the large nature of the site, it is highly likely that areas of the site were not observed by the RSK engineer during the site reconnaissance survey
- status of the observed gas pipe line is not known
- there are no previous investigations available for the site, therefore no information on actual concentrations of contaminants in soil and groundwater at this stage
- groundwater depth and flow direction are conceptual at this stage

21 CONCLUSIONS AND RECOMMENDATIONS

21.1 Site History

The site has largely remained undeveloped throughout its entire history, except for localised construction of minor structures, tracks, paths and access roads. Numerous stone pits, gravel pits and small quarries are shown to be distributed across the site area (notably RSK subzones B10, B14, D4, D12, E7, E10, F13, G4, I10).

The surrounding area is equally agricultural, although residential expansion occurred in surrounding villages. A sewage works was constructed within zone H4 (outside the redline site boundary) and a large RAF Base (RAF Digby) was constructed adjacent to the central part of the site to the west.

Two adjacent quarries (Brauncewell and Longwood) have been historically used as landfill sites and waste treatment facilities.

21.2 Likely ground and groundwater conditions

Given its agricultural setting, the site is likely to be primarily covered by a nominal to limited thickness of topsoil, with any made ground anticipated to be localised to distinct previously developed areas, such as former small structures, roads and paths. There may also be made ground 'overspill' from directly adjacent features such as the RAF airfield and sewage works.

As the site is so large, the geological sequence is highly varied. Superficial deposits are localised in the north of the site where a covering of Tidal Flat deposits encroaches upon the northern part of zones L and M. In the central (zone E) and southwestern (zones A, B and D) parts of the site, thin bands of Head Deposits and Sleaford Sand and Gravel are present directly over the bedrock.

The bedrock outcrops in a sequence presenting itself from east (youngest) to west (oldest) and comprises Oxford Clay, Kellaways Formation (clays and mudstones), Cornbrash Formation (limestone), Blisworth Clay (clays and mudstones), Blisworth Limestone, Rutland Formation (mudstone with limestone beds) and the Lincolnshire Limestone Formation. An overall figure showing site-wide geology is presented as Figure 5.

Through reference to historical BGS borehole records, depths to groundwater appear to vary across the site dependent upon the strata. Groundwater in some cases was recorded at shallow depths (2-3 mbgl) within weathered limestones and locally within superficial deposits. Groundwater was generally recorded within limestone units at depths between 12 and 30 mbgl.

21.3 Geo-environmental assessment

The PRA has identified no obvious potential sources of on-site contamination, except for perhaps the use of pesticides and herbicides as a result of the site's agricultural history. The presence of made ground in some areas is likely although considered to be limited to minor previously developed areas such as small structures (i.e. wind pumps) and tracks, paths and access roads. There are a number of former stone/gravel pits as well as ponds

that have the potential to be infilled with onerous material, although it is likely that any infill comprised natural and/or inert soils.

Two off-site landfills at Brauncewell and Longwood Quarry were licensed to accept inert and non-biodegradable waste, though their proximity and currently active status means that risks may exist for affected zones, but only if the proposed development in these areas comprises manned structures or un-manned enclosed structures where gases could accumulate.

Identified potential pollutant linkages were identified, associated with:

- Potential impaction of shallow groundwater within SPZ1 via leaching of contaminated soils through the infiltration of rainwater – **Zones H and I only**; and
- Migration of ground gases from adjacent landfill sites and accumulation in enclosed spaces resulting in asphyxiation and/or explosion – **Zones A, B, I, L only and only if proposed development comprises manned and/or enclosed structures**.

21.4 Geotechnical assessment

The key findings of the initial geotechnical assessment are as follows:

- Silt rich and shrinkable clay soils associated with all strata except granular superficial soils and unweathered limestone;
- Potential compressible and low bearing capacity soils associated with superficial Head Deposits and Tidal Flat Deposits;
- Potential running sand associated with saturated granular deposits;
- Karstic dissolution features within limestone strata;
- Potentially waterlogged ground and/or localised high groundwater table ;
- Potential for geological faults within underlying bedrock geology;
- Infilled ponds, quarries and gravel pits as well as potential for unrecorded extraction pits, shafts and adits;
- Adverse ground chemistry associated with Oxford Clay, Blisworth Clay and Kellaway Formation; and
- Lateral variation in ground conditions

21.5 Recommendations

The following recommendations are made for further assessment of the site to investigate the risks identified above and/or to address remaining uncertainties:

- Sitewide shallow intrusive works (likely trial pitting and drive-in sampler boreholes) to determine ground and groundwater conditions across each zone of the site and target potential areas of made ground (i.e. in locations of former structures and infilled pits/ponds)

- Gas monitoring may be required in areas of the site adjacent to the identified landfill sites to assess baseline concentrations of ground gas, especially if enclosed and/or manned structures are proposed in these parts of the site
- Deeper boreholes may be required to either prove depth to bedrock and/or provide information for use in piled foundation design
- The findings of the Unexploded Ordnance (UXO) Preliminary Risk Assessment were that a Detailed UXO Risk Assessment be carried out to assess the risks to the proposed development works.

It is understood that a ground investigation specification is currently being drafted by others.

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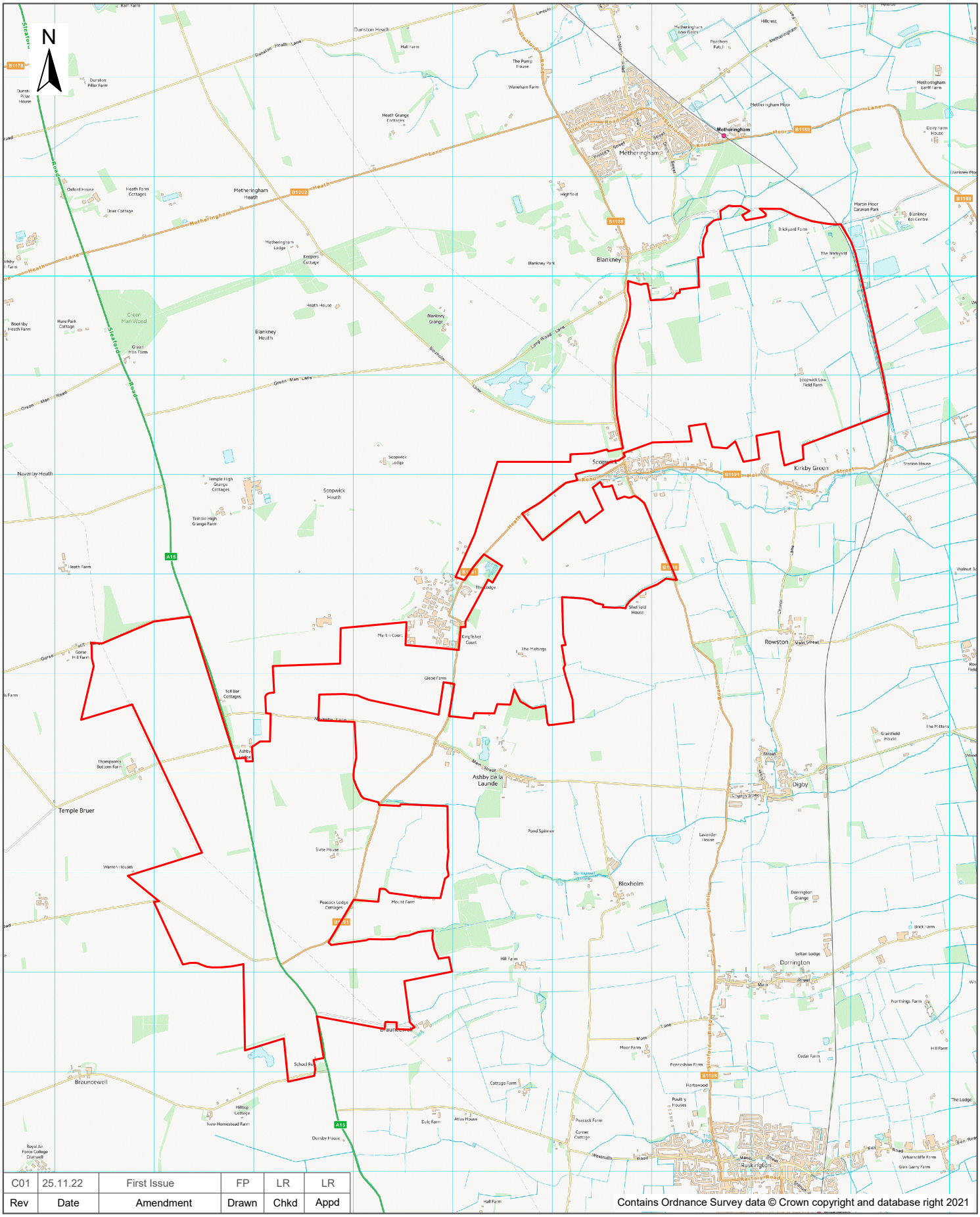
FIGURES

FIGURE 1 SITE LOCATION PLAN



Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	FP	LR	LR

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Client: Springwell Solar Farm Limited

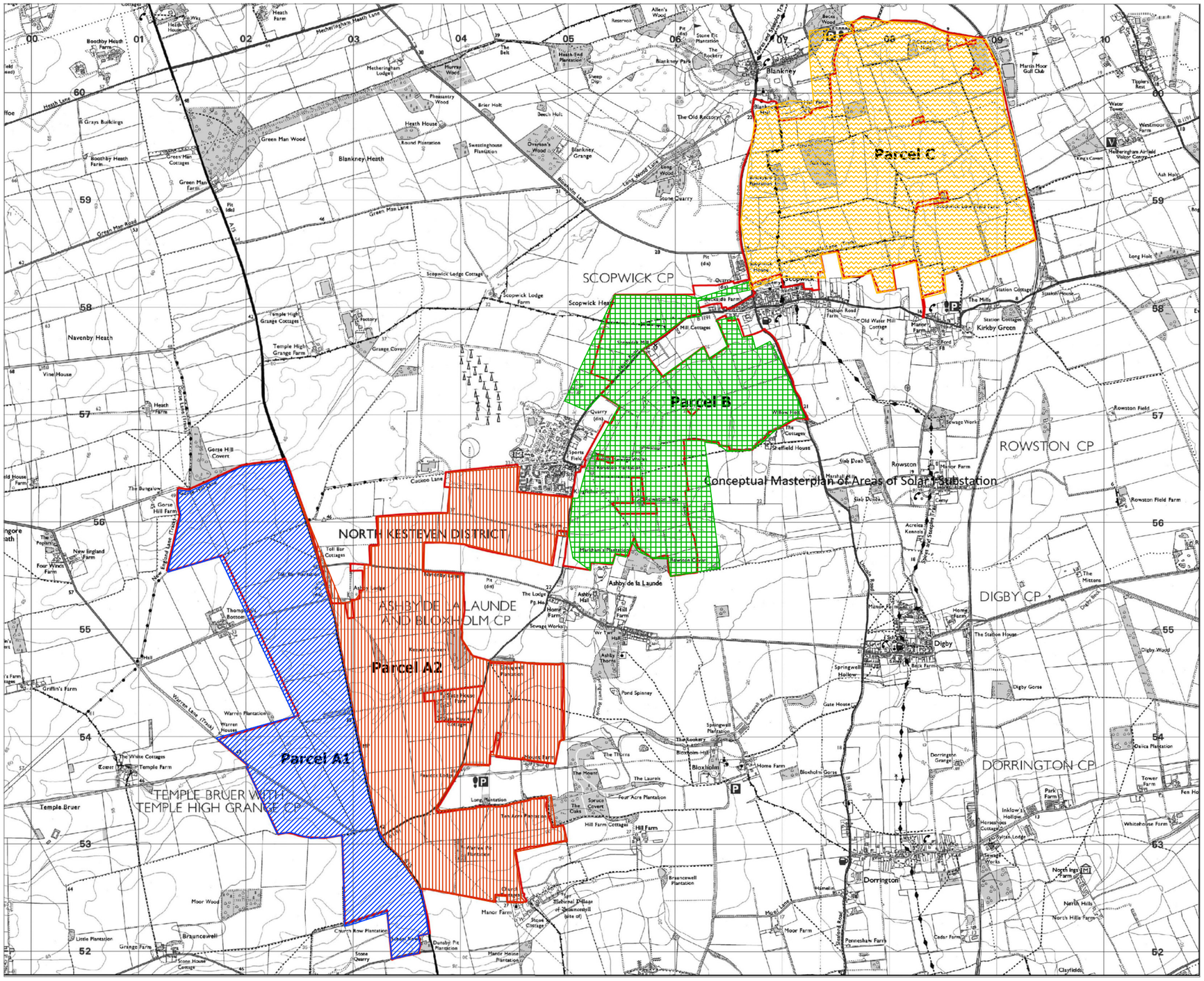
Project Name: Springwell Solar Farm

Description: Site Location Plan

Dimension	Size	Scale	Geolocation	Project ID	Drawing no.	Rev	File name
m	A4	1:50,000	506461,357475	1922604	11101	C01	1922604-HH-111-SS-M-C-11101-C01

FIGURE 2 SITE PARCEL PLAN

N



LEGEND

- Parcel A1
- Parcel A2
- Parcel B
- Parcel C

Notes:

Base plan provided by Landmark Information Group

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	AS	LR	LR

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Project Name: Springwell Solar Farm

Description: Site Parcel Plan

Project ID	Drawing no.	Revision
1922604	11201	C01

File name: 1922604-HH-112-SS-M-C-11201-C01

Dimensions	Scale	Size
m	1:40000	A3

FIGURE 3 SITE ZONING PLAN (ENVIRONMENTAL ASSESSMENT)



LEGEND

Site boundary

Notes:

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Client
Springwell Solar Farm Ltd

Project Name
Springwell Solar Farm

Description
Area Zoning Plan 1

Project ID	Drawing no.	Revision
1922604	24001	C01

File name
1922604-HH-240-SS-D-C-24001-C01

Dimensions	Scale	Size
m	1:40000	A3

FIGURE 4 SITE ADDITIONAL ZONING PLAN



LEGEND

Site boundary

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Client: Springwell Solar Farm Ltd

Project Name: Springwell Solar Farm

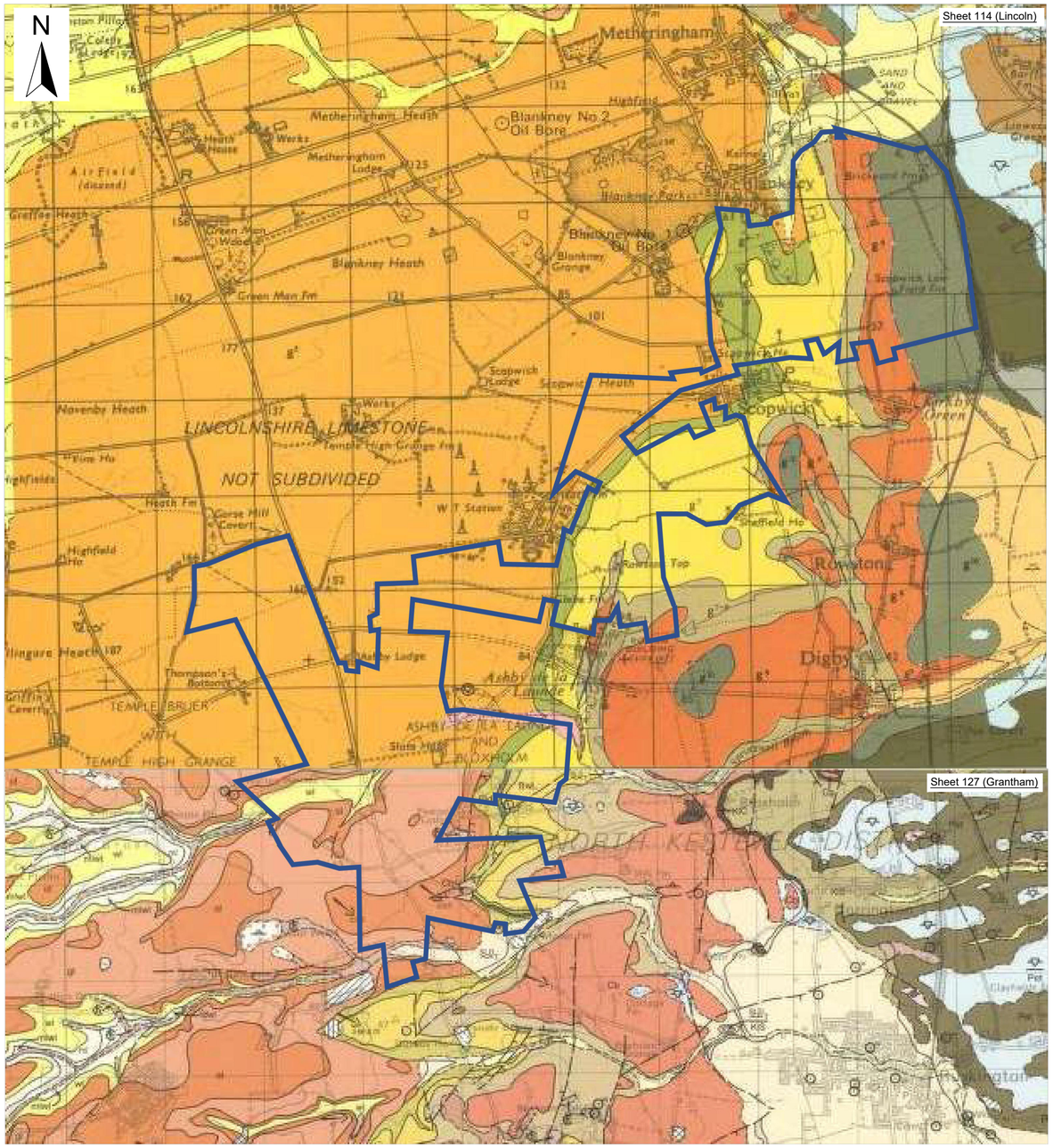
Description: Area Zoning Plan 2

Project ID	Drawing no.	Revision
1922604	24002	C01

File name: 1922604-HH-240-SS-D-C-24002-C01

Dimensions	Scale	Size
m	1:40000	A3

FIGURE 5 SITE-WIDE GEOLOGY PLANS



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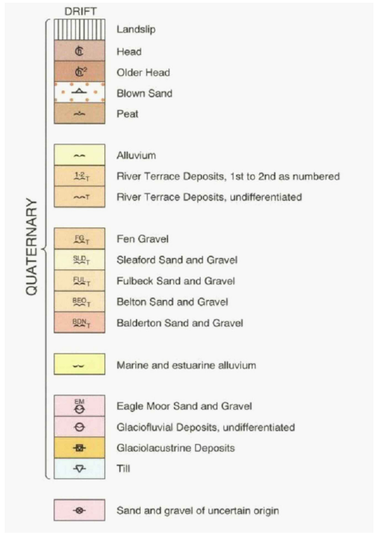

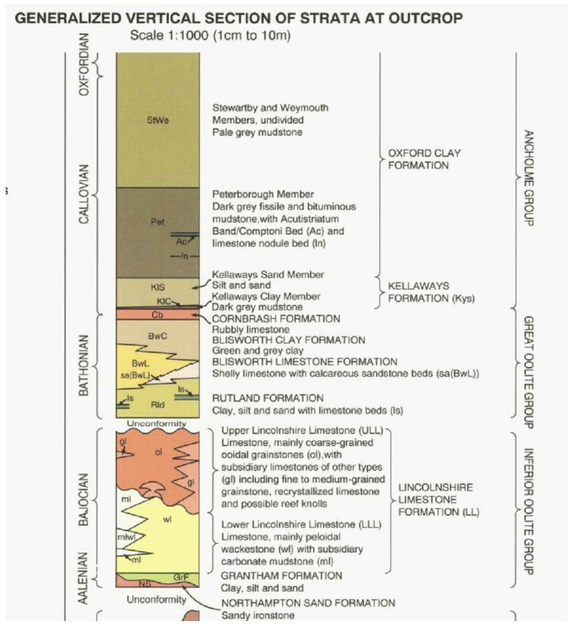

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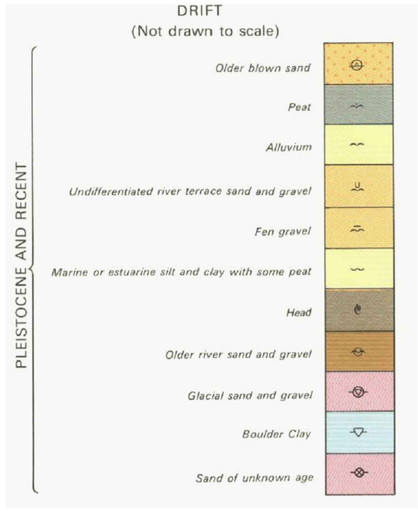

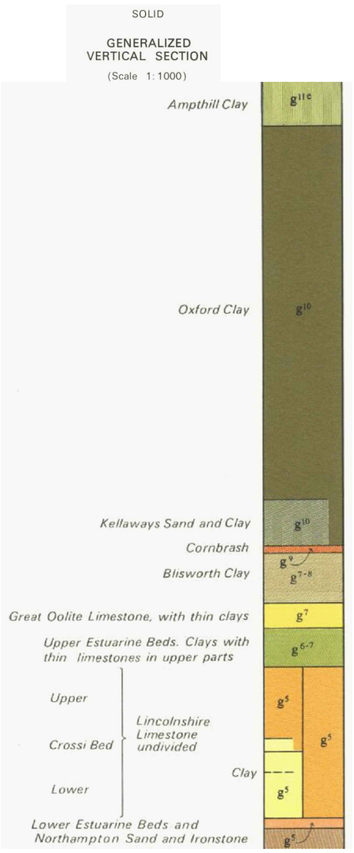

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	AS	LR	LR

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Site boundary

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Client	Project Name	Description
Springwell Solar Farm Limited	Springwell Solar Farm	Site Geology - Scanned BGS Maps

Dimension	Scale	Size	Project ID	Drawing no.	Revision	File name
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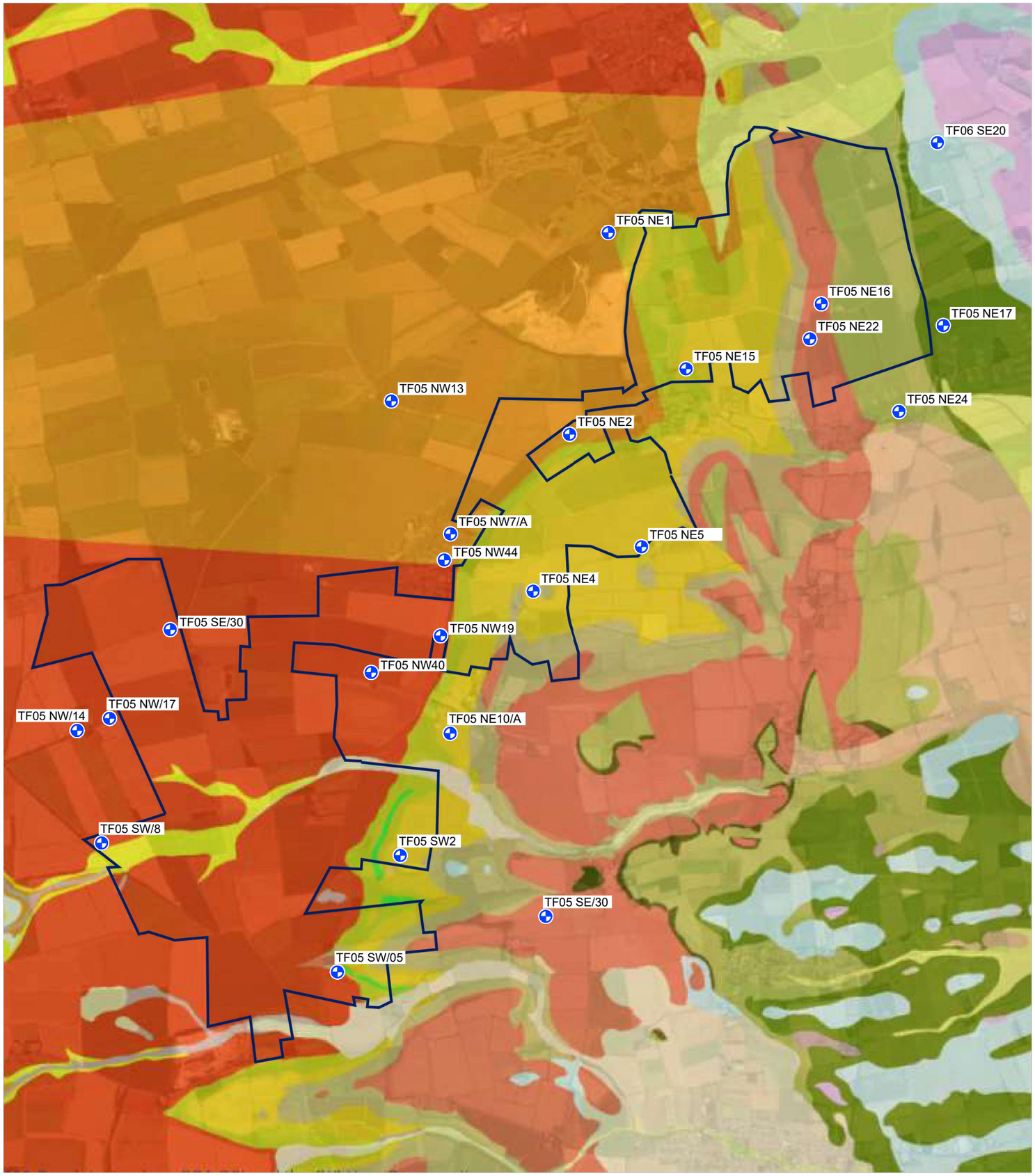
N



LEGEND

- Site boundary
- Historical BGS Boreholes

Superficial

- Head Deposits
- Sleaford Sand and Gravel
- Tidal Flat Deposits
- Till, Mid Pleistocene

Bedrock

- Oxford Clay Formation
- Kellaways Formation
- Cornbrash Formation
- Blisworth Clay Formation
- Blisworth Limestone Formation
- Rutland Formation
- Rutland Formation (limestone band)
- Upper Lincolnshire Limestone Member
- Lincolnshire Limestone Formation

Notes:

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Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	AS	LR	LR

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Web: www.rsk.co.uk

Client: Springwell Solar Farm Ltd

Project Name: Springwell Solar Farm

Description: Site Geology - online BGS viewer including BGS Boreholes

Project ID	Drawing no.	Revision
1922604	15902	C01

File name: 1922604-HH-159-SS-M-C-15902-C01

Dimensions	Scale	Size
m	1:40000	A3

FIGURE 6 SITE RECONNAISSANCE PHOTOGRAPH PLAN



LEGEND

Site boundary

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C01	22.11.22	First Issue	FP	LR	LR

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Web: www.rsk.co.uk

Client: Springwell Solar Farm Ltd

Project Name: Springwell Solar Farm

Description: Site Reconnaissance Photo Locations

Project ID	Drawing no.	Revision
1922604	11401	C01

File name: 1922604-HH-114-SS-M-C-11401-C01

Dimensions	Scale	Size
m	NTS	A3

APPENDICES

APPENDIX A SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for Springwell Solar Farm Limited (the "Client") in accordance with the terms of a consultancy services agreement between RSK and the Client, dated 8 August 2022. The Services were performed by RSK with the reasonable skill and care ordinarily exercised by an environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the Client.
2. Other than that, expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
3. Unless otherwise agreed in writing, the Services were performed by RSK exclusively for the purposes of the Client. RSK is not aware of any interest of or reliance by any party other than the Client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. **Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.**
4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK 's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the Client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the Client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off site of asbestos, invasive plants, electromagnetic fields, lead paint, heavy metals, radon gas, persistent, bioaccumulative or toxic chemicals (including PFAS/ PFOS) or other radioactive or hazardous materials, unless specifically identified in the Services.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a visual inspection of the site together with RSK's interpretation of information, including documentation, obtained from third parties and from the Client on the history and usage of the site, unless specifically identified in the Services or accreditation system (such as UKAS ISO 17020:2012 clause 7.1.6):
    a. The Services were based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely.
    b. The Services were limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the visual inspection.

c. The Services did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services.

RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the Client and RSK.

8. The intrusive environmental site investigation aspects of the Services are a limited sampling of the site at pre-determined locations based on the known historic / operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the properties of the materials adjacent and local conditions, together with the position of any current structures and underground utilities and facilities, and natural and other activities on site. In addition, chemical analysis was carried out for a limited number of parameters (as stipulated in the scope between the client and RSK, based on an understanding of the available operational and historical information) and it should not be inferred that other chemical species are not present.

9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (intrusive and sample locations etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.

10. The comments given in this report and the opinions expressed are based on the ground conditions encountered during the site work and on the results of tests made in the field and in the laboratory. However, there may be conditions pertaining to the site that have not been disclosed by the investigation and therefore could not be taken into account. In particular, it should be noted that there may be areas of made ground not detected due to the limited nature of the investigation or the thickness and quality of made ground across the site may be variable. In addition, groundwater levels and ground gas concentrations and flows, may vary from those reported due to seasonal, or other, effects and the limitations stated in the data should be recognised.

11. Asbestos is often observed to be present in soils in discrete areas. Whilst asbestos-containing materials may have been locally encountered during the fieldworks or supporting laboratory analysis, the history of brownfield and demolition sites indicates that asbestos fibres may be present more widely in soils and aggregates, which could be encountered during more extensive ground works.

12. Unless stated otherwise, only preliminary geotechnical recommendations are presented in this report and these should be verified in a Geotechnical Design Report, once proposed construction and structural design proposals are confirmed.

APPENDIX B SUMMARY OF LEGISLATION AND POLICY RELATING TO LAND CONTAMINATION

Part IIA of the Environmental Protection Act 1990

Part IIA of the Environmental Protection Act 1990 (Part IIA) and its associated Contaminated Land Regulations 2000 (SI 2000/227), which came into force in England on 1 April 2000, formed the basis for the current regulatory framework and the statutory regime for the identification and remediation of contaminated land. Part IIA of the EPA 1990 defines contaminated land as 'any land which appears to the Local Authority in whose area it is situated to be in such a condition by reason of substances in, on or under the land, that significant harm is being caused, or that there is significant possibility of significant harm being caused, or that pollution of controlled waters is being or is likely to be caused'. Controlled waters are considered to include all groundwater, inland waters and estuaries.

In August 2006, the Contaminated Land (England) Regulations 2006 (SI 2006/1380) were implemented, which extended the statutory regime to include Part IIA of the EPA as originally introduced on 1 April 2000, together with changes intended chiefly to address land that is contaminated by virtue of radioactivity. These have been replaced subsequently by the Contaminated Land (England) (Amendment) Regulations 2012, which now exclude land that is contaminated by virtue of radioactivity.

The intention of Part IIA is to deal with contaminated land issues that are considered to cause significant harm on land that is not undergoing development (see Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance, April 2012). This document replaces Annex III of Defra Circular 01/2006, published in September 2006 (the remainder of this document is now obsolete).

Planning Policy

Contaminated land is often dealt with through planning because of land redevelopment. This approach was documented in Planning Policy Statement: Planning and Pollution Control PPS23, which states that it remains the responsibility of the landowner and developer to identify land affected by contamination and carry out sufficient remediation to render the land suitable for use. PPS23 was withdrawn early in 2012 and has been replaced by much reduced guidance within the National Planning Policy Framework (NPPF), reference ISBN: 978-1-5286-1033-9, February 2019.

The new framework has only limited guidance on contaminated land, as follows:

Chapter 11. Making effective use of land

117 Planning policies and decisions should promote an effective use of land in meeting the need for homes and other uses, while safeguarding and improving the environment and ensuring safe and healthy living conditions. Strategic policies should set out a clear strategy for accommodating objectively assessed needs, in a way that makes as much use as possible of previously-developed or 'brownfield' land.

118. Planning policies and decisions should:

c) give substantial weight to the value of using suitable brownfield land within settlements for homes and other identified needs, and support appropriate opportunities to remediate despoiled, degraded, derelict, contaminated or unstable land.

Chapter 15. Conserving and enhancing the natural environment

170. Planning policies and decisions should contribute to and enhance the natural and local environment by:

e) preventing new and existing development from contributing to, being put at unacceptable risk from, or being adversely affected by, unacceptable levels of soil, air, water or noise pollution or land instability. Development should, wherever possible, help to improve local environmental conditions such as air and water quality, taking into account relevant information such as river basin management plans; and

f) remediating and mitigating despoiled, degraded, derelict, contaminated and unstable land, where appropriate.

Ground conditions and pollution

178. Planning policies and decisions should ensure that:

a) a site is suitable for its proposed use taking account of ground conditions and any risks arising from land instability and contamination. This includes risks arising from natural hazards or former activities such as mining, and any proposals for mitigation including land remediation (as well as potential impacts on the natural environment arising from that remediation);

b) after remediation, as a minimum, land should not be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990; and

c) adequate site investigation information, prepared by a competent person, is available to inform these assessments.

179. Where a site is affected by contamination or land stability issues, responsibility for securing a safe development rests with the developer and/or landowner.

Water Resources Act (WRA)

The Water Resources Act 1991 (Amendment) (England and Wales) Regulations 2009 updated the Water Resources Act 1991, which introduced the offence of causing or knowingly permitting pollution of controlled waters. The Act provides the Environment Agency with powers to implement remediation necessary to protect controlled waters and recover all reasonable costs of doing so.

Water Framework Directive (WFD)

The Water Framework Directive 2000/60/EC is designed to:

- enhance the status and prevent further deterioration of aquatic ecosystems and associated wetlands that depend on the aquatic ecosystems
- promote the sustainable use of water
- reduce pollution of water, especially by ‘priority’ and ‘priority hazardous’ substances
- ensure progressive reduction of groundwater pollution.

The WFD requires a management plan for each river basin be developed every six years.

Groundwater Directive (GWD)

The 1980 Groundwater Directive 80/68/EEC and the 2006 Groundwater Daughter Directive 2006/118/EC of the WFD are the main European legislation in place to protect groundwater. The 1980 Directive is due to be repealed in December 2013. The European legislation has been transposed into national legislation by regulations and directions to the Environment Agency.

Priority Substances Directive (PSD)

The Priority Substances Directive 2008/105/EC is a 'Daughter' Directive of the WFD, which sets out a priority list of substances posing a threat to or via the aquatic environment. The PSD establishes environmental quality standards for priority substances, which have been set at concentrations that are safe for the aquatic environment and for human health. In addition, there is a further aim of reducing (or eliminating) pollution of surface water (rivers, lakes, estuaries and coastal waters) by pollutants on the list. The WFD requires that countries establish a list of dangerous substances that are being discharged and EQS for them. In England and Wales, this list is provided in the River Basin Districts Typology, Standards and Groundwater threshold values (Water Framework Directive) (England and Wales) Directions 2010. In order to achieve the objectives of the WFD, classification schemes are used to describe where the water environment is of good quality and where it may require improvement.

Environmental Permitting Regulations (EPR)

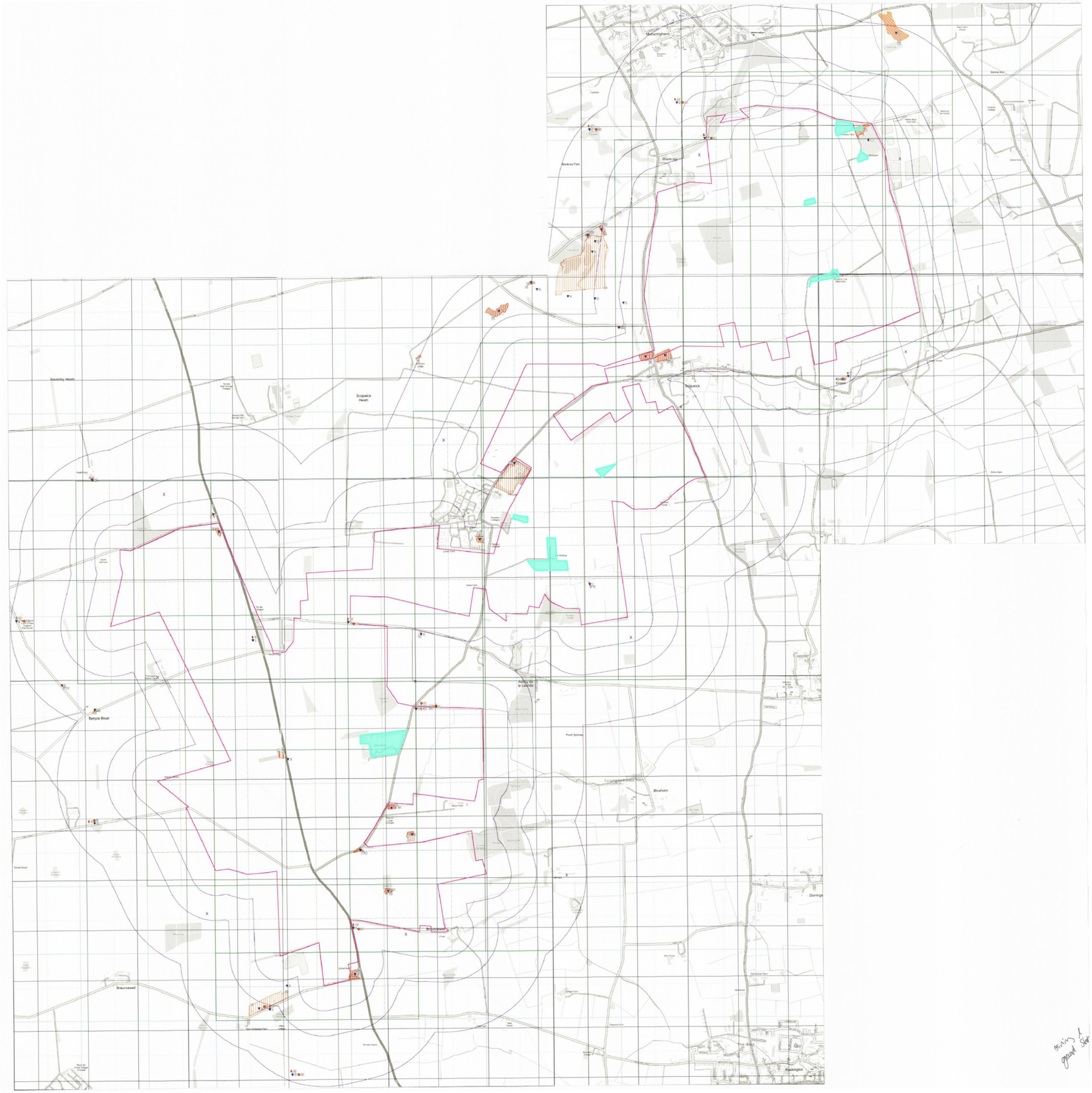
The Environmental Permitting (England and Wales) Regulations 2016 (as amended) provide a single regulatory framework that streamlines and integrates waste management licensing, pollution prevention and control, water discharge consenting, groundwater authorisations, and radioactive substances regulation. Schedule 22, paragraph 6 of EPR 2016 states: 'the regulator must, in exercising its relevant functions, take all necessary measures - (a) to prevent the input of any hazardous substance to groundwater; and (b) to limit the input of non-hazardous pollutants to groundwater so as to ensure that such inputs do not cause pollution of groundwater.'

Notes:

1. *The above information is provided for background but does not constitute site-specific advice*
2. *The above summary applies to England only. Variations exist within other countries of the United Kingdom*

APPENDIX C SITE-WIDE HISTORICAL MAPS AND PLANS

N



LEGEND

Site boundary

Excluded Zones

Notes:

Base plan provided by Landmark Information Group

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	AS	LR	LR

RSK GEOSCIENCES
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
Tel: +44(0)1442 437500
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client

Springwell Solar Farm Ltd

Project Name

Springwell Solar Farm

Description

Potentially Infilled Land and Quarrying Activity

Project ID	Drawing no.	Revision
1922604	12201	C01

File name

1922604-HH-122-SS-M-C-12201-C01

Dimensions	Scale	Size
m	1:40000	A3

N



LEGEND

- Site boundary
- Excluded Zones

Notes:

Base plan provided by Landmark Information Group

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	FP	LR	LR

RSK GEOSCIENCES
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
Tel: +44(0)1442 437500
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client: Springwell Solar Farm Ltd

Project Name: Springwell Solar Farm

Description: Historical Map - 1887

Project ID	Drawing no.	Revision
1922604	12601	C01

File name: 1922604-HH-126-SS-M-C-12601-C01

Dimensions	Scale	Size
m	1:40000	A3

N



LEGEND

- Site boundary
- Excluded Zones

Notes:

Base plan provided by Landmark Information Group

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	FP	LR	LR

RSK GEOSCIENCES

18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Tel: +44(0)1442 437500
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client: Springwell Solar Farm Ltd

Project Name: Springwell Solar Farm

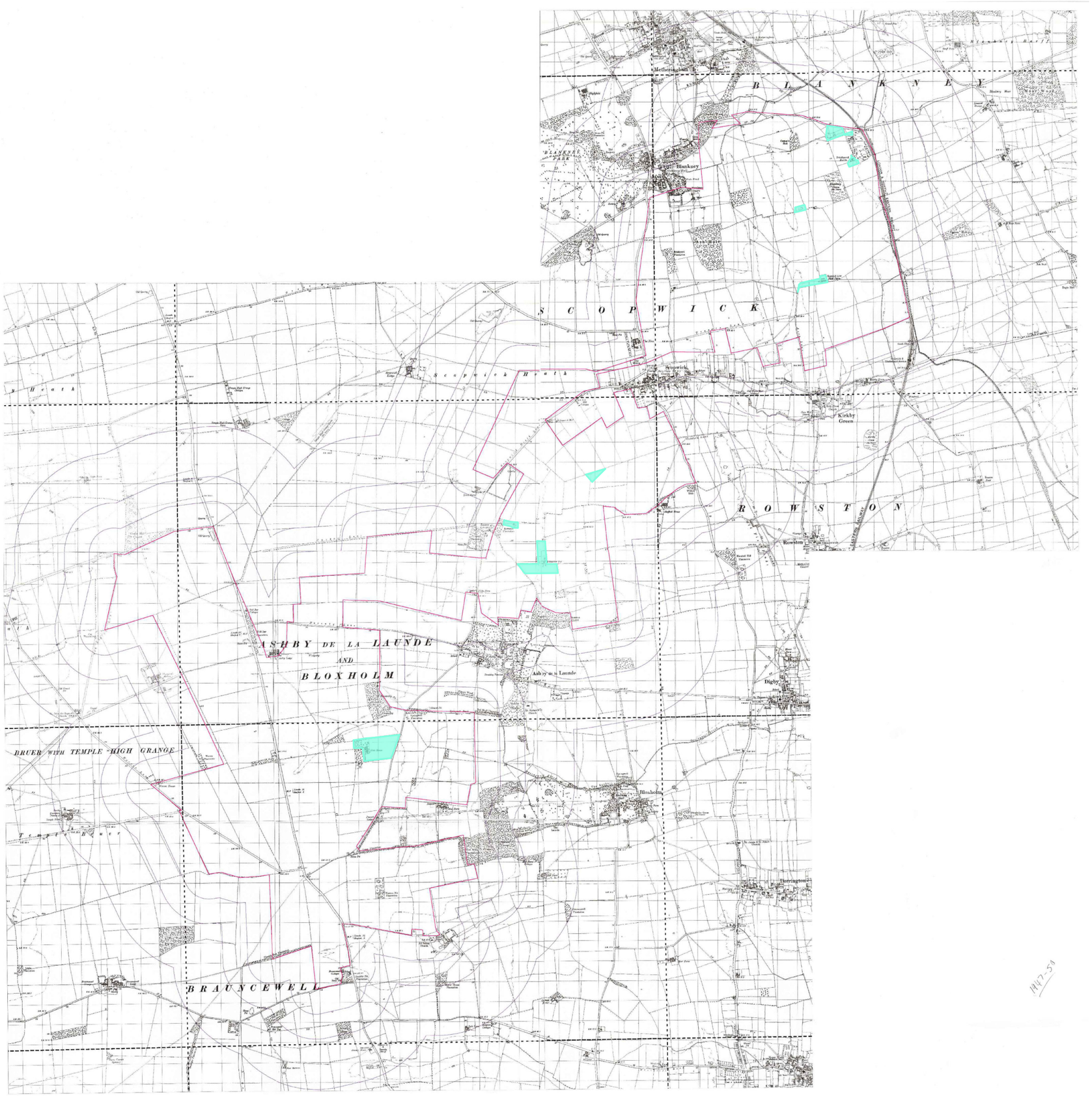
Description: Historical Map - 1906

Project ID	Drawing no.	Revision
1922604	12602	C01

File name: 1922604-HH-126-SS-M-C-12602-C01

Dimensions	Scale	Size
m	1:40000	A3

N



LEGEND

Site boundary

Excluded Zones

Notes:

Base plan provided by Landmark Information Group

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	FP	LR	LR

RSK GEOSCIENCES
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
Tel: +44(0)1442 437500
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client: Springwell Solar Farm Ltd

Project Name: Springwell Solar Farm

Description: Historical Map - 1947 - 1950

Project ID	Drawing no.	Revision
1922604	12603	C01

File name: 1922604-HH-126-SS-M-C-12603-C01

Dimensions	Scale	Size
m	1:40000	A3

N



LEGEND

- Site boundary
- Excluded Zones

Notes:

Base plan provided by Landmark Information Group

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	FP	LR	LR

RSK GEOSCIENCES
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
Tel: +44(0)1442 437500
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
Springwell Solar Farm Ltd

Project Name
Springwell Solar Farm

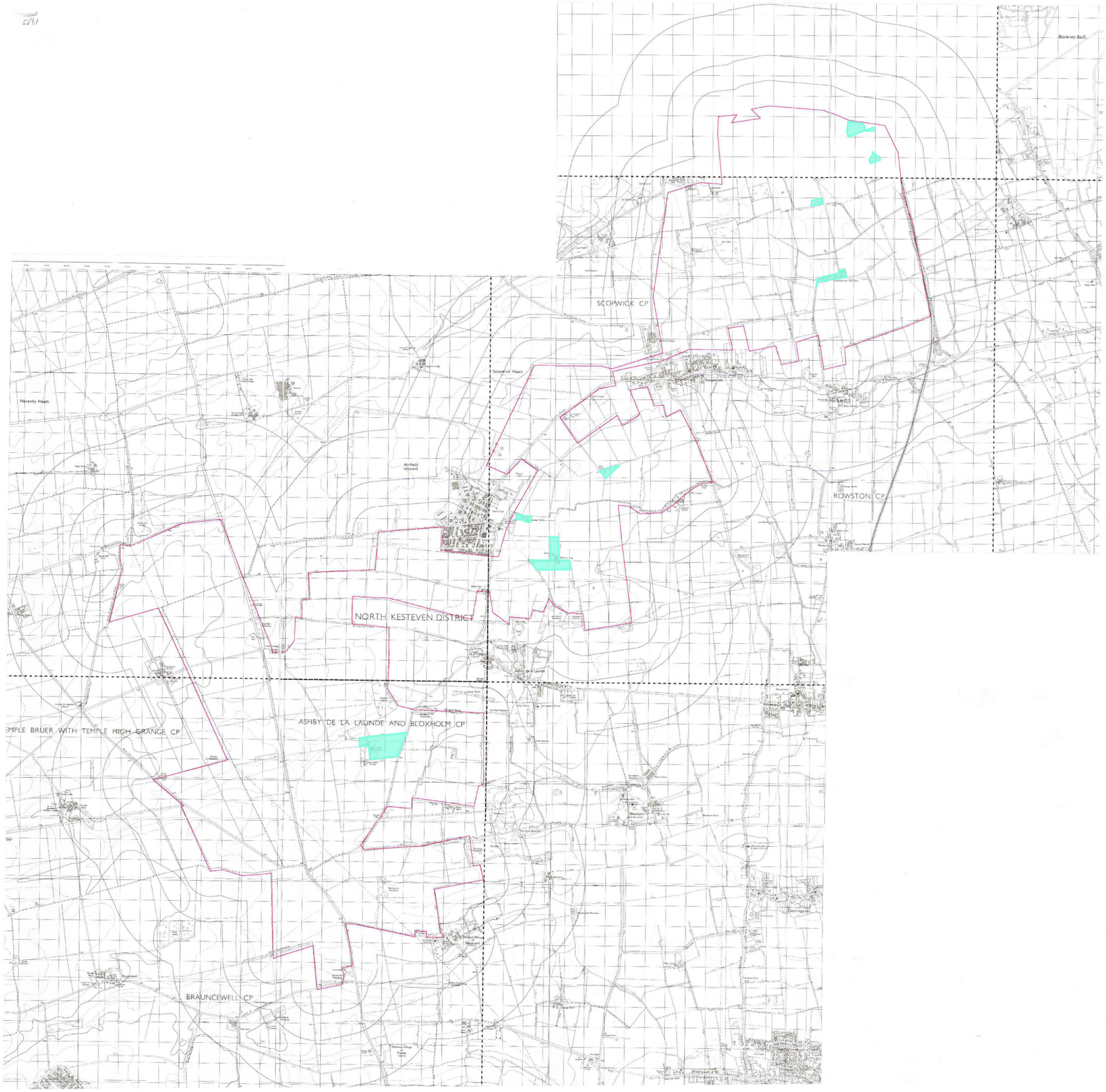
Description
Historical Map - 1956

Project ID	Drawing no.	Revision
1922604	12604	C01

File name
1922604-HH-126-SS-M-C-12604-C01

Dimensions	Scale	Size
m	1:40000	A3

N



LEGEND

- Site boundary
- Excluded Zones

Notes:

Base plan provided by Landmark Information Group

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	FP	LR	LR

RSK GEOSCIENCES
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
Tel: +44(0)1442 437500
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client: Springwell Solar Farm Ltd

Project Name: Springwell Solar Farm

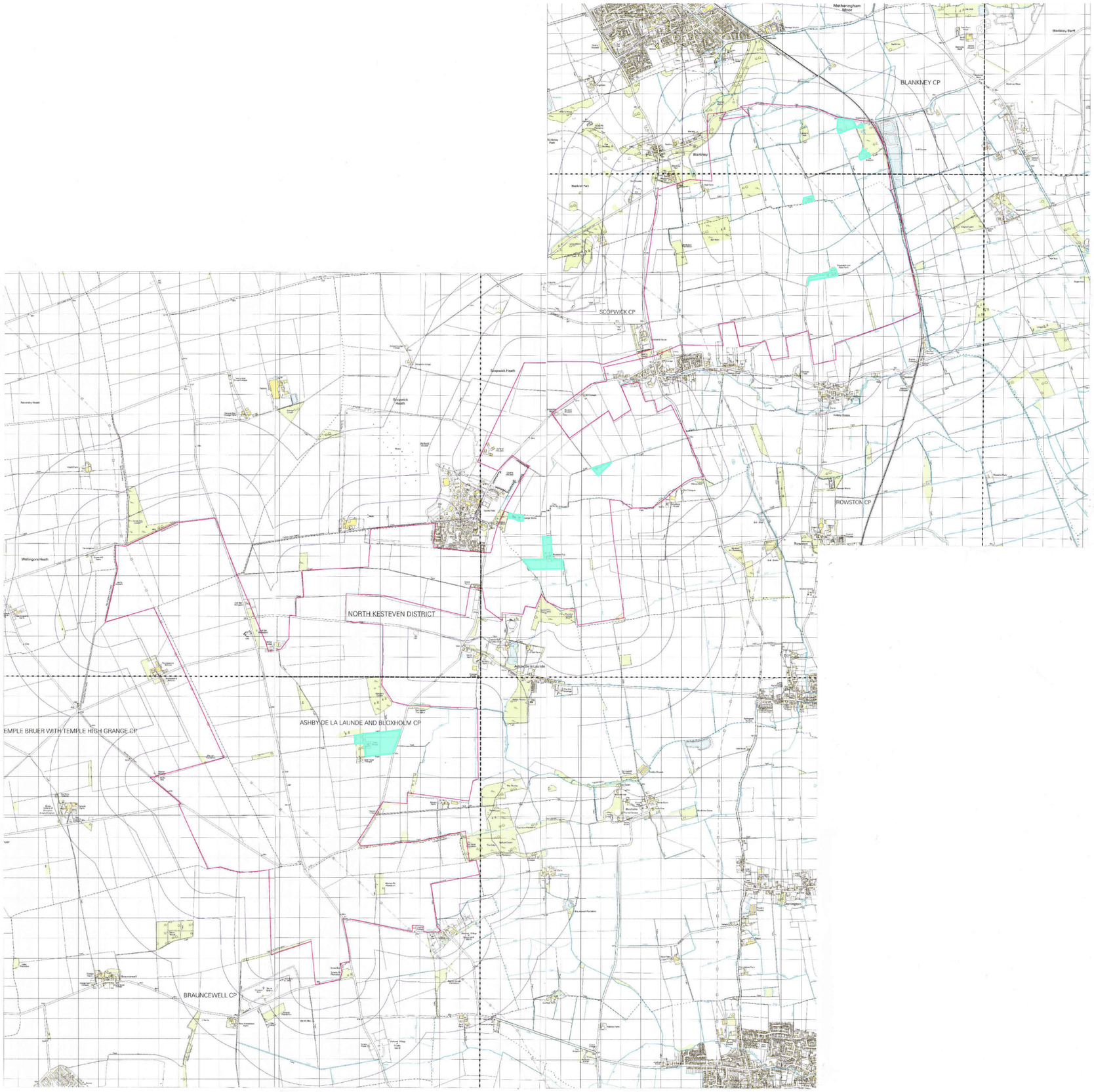
Description: Historical Map - 1985

Project ID	Drawing no.	Revision
1922604	12605	C01

File name: 1922604-HH-126-SS-M-C-12605-C01

Dimensions	Scale	Size
m	1:40000	A3

N



LEGEND

Site boundary

Excluded Zones

Notes:

Base plan provided by Landmark Information Group

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	FP	LR	LR

RSK GEOSCIENCES
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
Tel: +44(0)1442 437500
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client: Springwell Solar Farm Ltd

Project Name: Springwell Solar Farm

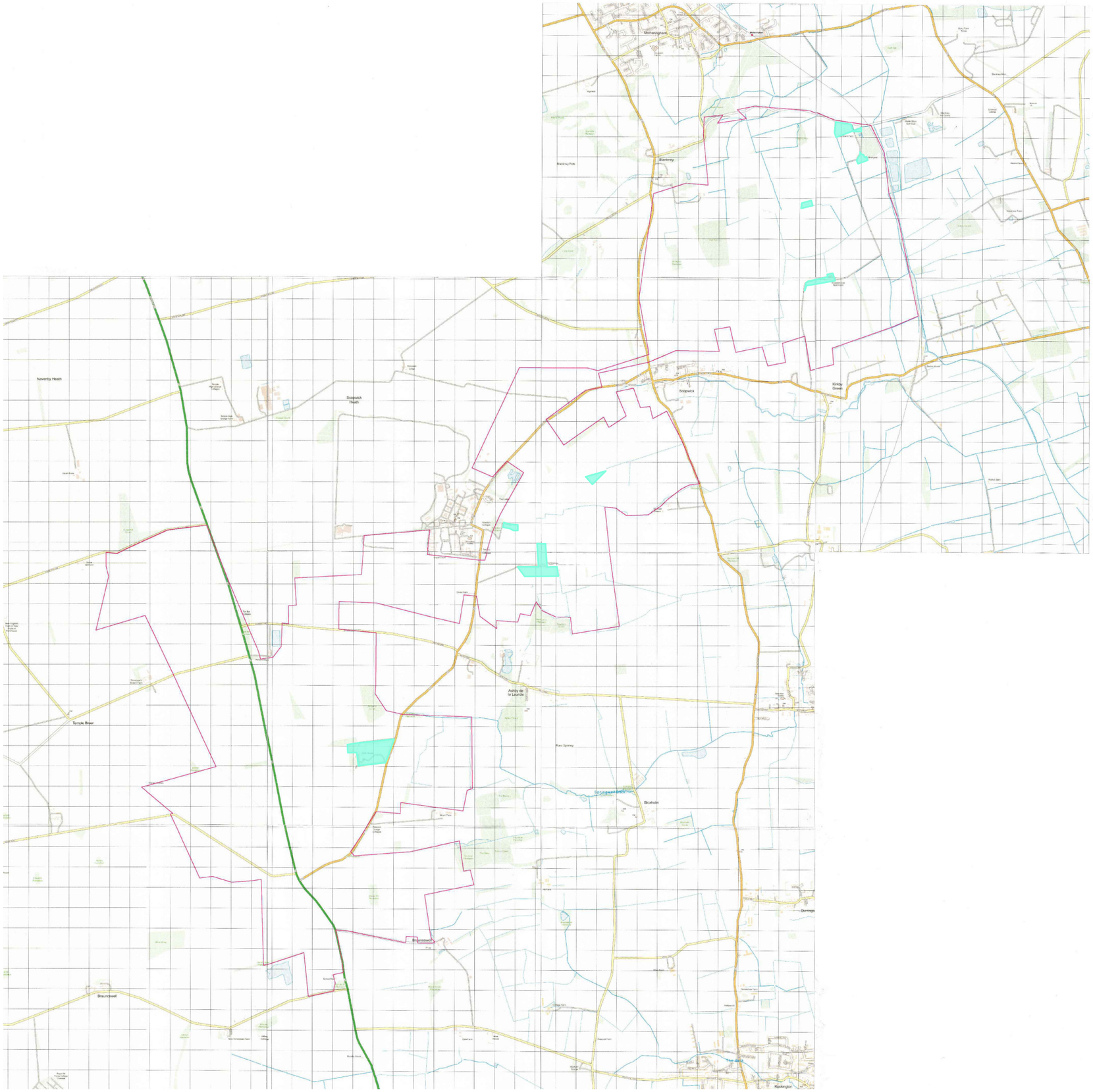
Description: Historical Map - 2000

Project ID	Drawing no.	Revision
1922604	12606	C01

File name: 1922604-HH-126-SS-M-C-12606-C01

Dimensions	Scale	Size
m	1:40000	A3

N



LEGEND

- Site boundary
- Excluded Zones

Notes:

Base plan provided by Landmark Information Group

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	25.11.22	First Issue	FP	LR	LR

RSK GEOSCIENCES
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT
Tel: +44(0)1442 437500
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client: Springwell Solar Farm Ltd

Project Name: Springwell Solar Farm

Description: Historical Map - 2022

Project ID	Drawing no.	Revision
1922604	12607	C01

File name: 1922604-HH-126-SS-M-C-12607-C01

Dimensions	Scale	Size
m	1:40000	A3

APPENDIX D1 ENVIRONMENTAL DATABASE REPORT – ZONE A

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
502200, 352660

Slice:
A

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:
All Areas New

Client Details:
Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	11
Hazardous Substances	-
Geological	13
Industrial Land Use	15
Sensitive Land Use	16
Data Currency	17
Data Suppliers	21
Useful Contacts	22

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3				6
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 4				1
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4				3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
Substantiated Pollution Incident Register					
River Quality Chemistry Sampling Points					
Water Abstractions	pg 5				(*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 5	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 9	9	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 9	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 9	Yes	n/a	n/a	n/a
Source Protection Zones	pg 10	1			
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 10				1

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 11		3	2	
Licensed Waste Management Facilities (Locations)	pg 11			1	
Local Authority Landfill Coverage	pg 12	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 12			2	
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 13	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 13				3
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 14	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 14	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 14	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 15				1
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 16	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(E)	0	1	503500 352300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SE)	0	1	502800 352350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NE (NE)	0	1	502650 353450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	502850 353950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	503200 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	0	1	503250 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	503400 352500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NW (NE)	0	1	502500 353350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	503000 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	503100 352300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	503300 352150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	0	1	502450 352050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	503250 352000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	503250 352450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	503500 352450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SE)	0	1	502850 352350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11NE (S)	0	1	502199 352663
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	502199 353750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	502500 353800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	502500 353850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	502300 353850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	0	1	503050 354100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	503150 354100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	0	1	503200 354100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	502300 353900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NE (N)	0	1	501950 353600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NE (NE)	0	1	502800 353600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A8NE (SE)	24	1	502750 352050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SE)	68	1	502800 352400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8SE (SE)	99	1	502800 351600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8SE (SE)	116	1	502950 351850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SW (E)	117	1	502600 352500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SE)	118	1	502750 352400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15NW (N)	122	1	501900 353600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	185	1	502900 352050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	193	1	502650 352150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	200	1	503000 352050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15NW (NW)	234	1	501800 353550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	304	1	502400 352100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	310	1	502650 351950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	314	1	503000 351900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7SE (S)	339	1	502199 351900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8SE (SE)	356	1	502750 351900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8SE (SE)	385	1	502900 351850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8SW (SE)	402	1	502550 351850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8SE (SE)	422	1	502700 351850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	430	1	502400 351950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8SE (SE)	435	1	502750 351800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NE (NW)	444	1	501550 353500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8SE (SE)	468	1	502700 351800
1	**Discharge Consents** Operator: Mrs J Matthews Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Brauncewell Hill Top Cottages, Brauncewell, Sleaford. Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu561 Permit Version: 1 Effective Date: 14th March 1972 Issued Date: 14th March 1972 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A4NE (SE)	632	2	502900 351500
1	**Discharge Consents** Operator: Mr D J George Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Brauncewell Hill Top Cottages, Brauncewell, Sleaford. Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu5512 Permit Version: 1 Effective Date: 11th February 1966 Issued Date: 11th February 1966 Revocation Date: 30th May 1997 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A4NE (SE)	632	2	502900 351500
2	**Discharge Consents** Operator: R T Mountain Farms Property Type: Arable Farming Location: Temple Farm Temple Bruer, Wellingore, Lincoln, Lincs, Ln5 0dp Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwnlf40489 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 20th July 2000 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Agricultural And Surface Discharge Environment: Onto Land Receiving Water: Groundwater **Status: Deemed Groundwater Regulations Authorisation** Positional Accuracy: Located by supplier to within 100m	A14NW (NW)	648	2	501200 353600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Ag Reserves Ltd Property Type: Arable Farming Location: Manor Farm Church End Wood, Walton, Huntingdon, Cambs, Pe17 5yz Authority: Environment Agency, Anglian Region Catchment Area: Catchment 29 Unknown Detail Reference: Gwnlf40713 Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 19th July 2000 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Agricultural And Surface Discharge Environment: Onto Land Receiving Water: Groundwater **Status: Deemed Groundwater Regulations Authorisation** Positional Accuracy: Located by supplier to within 100m	A8SW (S)	763	2	502500 351600
4	**Discharge Consents** Operator: Hallsworth (Farmland Trust) Ltd Property Type: Domestic Property (Single) Location: New Homestead Farm Brauncewell, Sleaford., Lincs, Ng34 8rl Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu5511 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A4NW (S)	815	2	502553 351508
4	**Discharge Consents** Operator: Hallsworth (Farmland Trust) Ltd Property Type: Domestic Property (Single) Location: New Homestead Farm Brauncewell, Sleaford., Lincs, Ng34 8rl Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu5511 Permit Version: 1 Effective Date: 11th February 1966 Issued Date: 11th February 1966 Revocation Date: 13th December 2011 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A4NW (S)	815	2	502553 351508
5	**Integrated Pollution Prevention And Control** Name: Brauncewell Quarries Location: Brauncewell, Sleaford, Lincolnshire, NG34 8RL Authority: Environment Agency, Anglian Region Permit Reference: YP3238LE Original Permit Ref: Yp3238le Effective Date: 31st March 2008 **Status: Revoked** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 5.2 A(1) (B) Activity Description: Waste Landfilling; Any Other Landfill To Which The 2002 Landfill Regulations Apply Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A8SE (SE)	555	2	502733 351713
6	**Local Authority Pollution Prevention and Controls** Name: Brauncewell Quarries Ltd Location: Brauncewell, Ng34 7ef Authority: North Kesteven District Council, Environmental Health Department Permit Reference: IPPC/2004/7 Dated: 1st January 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A8SE (SE)	555	3	502733 351713

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Local Authority Pollution Prevention and Controls** Name: Brauncewell Quarries Ltd Location: Brauncewell Quarry, Brauncewell, Sleaford, Lincolnshire, Ng34 8rl Authority: North Kesteven District Council, Environmental Health Department Permit Reference: Ag4700 Dated: 16th September 1992 Process Type: Local Authority Air Pollution Control Description: Processes registered under S. 9 of the Alkali Act 1906 and S. 5 of the Health & Safety at Work Act 1974 **Status: Application Refused Or Cancelled** Positional Accuracy: Manually positioned to the address or location	A8SE (SE)	575	3	502735 351691
6	**Local Authority Pollution Prevention and Controls** Name: Brauncewell Quarries Ltd Location: Brauncewell, LN5 0DH Authority: North Kesteven District Council, Environmental Health Department Permit Reference: Ippc/2004/7 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A8SE (SE)	581	3	502722 351689
	Nearest Surface Water Feature	A8NE (SE)	27	-	502893 352195
	Water Abstractions Operator: W. Banks Licence Number: 4/30/11/*g/079 Permit Version: Not Supplied Location: Brauncewell Grange Borehole, BRAUNCEWELL Authority: Environment Agency, Anglian Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 1 Yearly Rate (m3): 4550 Details: Central Lincolnshire Limestone; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6SW (SW)	1795	2	501100 351750
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	4	503000 351754
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A11NE (S)	0	4	502199 352663

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	4	503000 352663
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	4	503000 352073
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	4	502000 354000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	4	502199 354000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	4	503000 354000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A15NE (N)	0	4	502084 353489
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	4	502000 353687
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	4	503000 352210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	4	503276 352267
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A11NE (SW)	0	4	502174 352608
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	4	503000 352000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	4	501813 353623

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A15SE (N)	0	4	502199 353000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	4	503000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(SE)	0	4	503000 352000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A11NE (S)	0	4	502199 352663
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(E)	0	4	503000 352663
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A15SE (NW)	0	4	502000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A15SE (N)	0	4	502199 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(NE)	0	4	503000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(N)	0	4	502000 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(N)	0	4	502199 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(NE)	0	4	503000 354000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A8SE (SE)	0	4	502818 351693
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A11NE (S)	0	4	502199 352663
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A8SE (SE)	0	4	502848 351605
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(E)	0	4	503276 352267

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A15NE (N)	0	4	502084 353489
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A15NW (N)	0	4	501873 353602
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11NE (SW)	0	4	502174 352608
7	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A11NE (S)	0	2	502199 352663
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
8	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 947.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	A4NW (S)	780	5	502611 351360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Brauncewell Quarry Licence Number: 73008 Location: Brauncewell Quarry, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Licence Holder: Brauncewell Quarries Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Modified** Issued: 12th April 2001 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8NE (SE)	9	2	502631 352151
10	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Brauncewell Quarry Landfill Licence Number: 73320 Location: Brauncewell Quarry, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Licence Holder: Brauncewell Quarries Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Inactive** Issued: 19th March 2007 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8SE (SE)	194	2	502741 351833
11	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Brauncewell Quarry Landfill Licence Number: 73320 Location: Brauncewell Quarry, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Licence Holder: Brauncewell Quarries Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Expired** Issued: 19th March 2007 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8SE (SE)	194	2	502741 351833
12	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Brauncewell Quarry Licence Number: 70905 Location: Brauncewell Quarries Ltd, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Licence Holder: Brauncewell Quarries Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Inactive** Issued: 28th July 1986 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8SE (SE)	354	2	502657 351861
13	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Brauncewell Quarry Licence Number: 70905 Location: Brauncewell Quarries Ltd, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Licence Holder: Brauncewell Quarries Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Expired** Issued: 28th July 1986 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A8SE (SE)	354	2	502657 351861
14	**Licensed Waste Management Facilities (Locations)** Licence Number: 101884 Location: Brauncewell Quarry, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Operator Name: Brauncewell Quarries Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Inert & excavation Waste TS + treatment **Licence Status: Modified** Issued: 30th January 2012 Last Modified: 9th July 2021 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (SE)	468	2	502731 351808

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	3	502199 352663
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	502199 352663
15	**Registered Landfill Sites** Licence Holder: Brauncewell Quarries Ltd Licence Reference: EAWML73008 Site Location: Brauncewell Quarry, Brauncewell, SLEAFORD, Lincolnshire, NG34 8RL Licence Easting: 502900 Licence Northing: 351900 Operator Location: Brauncewell Quarry, Brauncewell, SLEAFORD, Lincolnshire, NG34 8RL Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Operational as far as is knownOperational Dated: 12th April 2001 Preceded By Licence: L 51 Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00) Maximum Waste Permitted By Licence Prohibited Waste: Material With Any Haz.Code (H1, H2, H3a,H3b,H4,H5,H6,H7,H8,H9,H10,H11,H12,H13,H14) Other Waste / Waste Not Otherwise Specified	A8SE (SE)	335	2	502900 351900
15	**Registered Landfill Sites** Licence Holder: Brauncewell Quarries Ltd Licence Reference: L 51 Site Location: Brauncewell Quarry, Brauncewell, SLEAFORD, Lincolnshire, NG34 8RL Licence Easting: 502900 Licence Northing: 351900 Operator Location: As Site Address Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Site Closed Dated: 28th July 1986 Preceded By Licence: Not Given Superseded By Licence: EAWML73008 Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Lincs Cat.A Inert Waste Max.Waste Permitted By Licence Prohibited Waste: Liquid/Sludge Wastes Mat'L Likely To Become Windblown Waste N.O.S.	A8SE (SE)	335	2	502900 351900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Inferior Oolite Group	A11NE (S)	0	1	502199 352663
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	(SE)	0	1	502989 351751
16	**BGS Recorded Mineral Sites** Site Name: Brauncewell Stone Pit Location: Brauncewell, Cranwell, Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136080 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A8SE (SE)	543	1	502814 351703
17	**BGS Recorded Mineral Sites** Site Name: Brauncewell Stone Pit Location: Brauncewell, Cranwell, Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136079 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A8SE (SE)	565	1	502707 351713
18	**BGS Recorded Mineral Sites** Site Name: Temple Farm Stone Pit Location: Temple Bruer, Welbourn, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134924 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lower Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	755	1	501085 353577
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8SE (SE)	0	1	502818 351693
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	501781 353681
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	1	501873 353602
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (NW)	0	1	501819 353557

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	1	502868 351966
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8SE (SE)	116	1	502848 351605
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NW (NW)	118	1	501715 353537
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (SW)	0	1	502174 352608
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	1	501873 353602
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	1	502084 353489
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (SW)	0	1	502174 352608
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	1	502084 353489
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	1	501873 353602
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	1	502150 353426
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	502199 352676
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	1	502150 353426
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11NE (N)	0	1	502199 352676

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Contemporary Trade Directory Entries** Name: Brauncewell Quarries Ltd Location: Brauncewell, Sleaford, NG34 8RL Classification: Quarries **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (SE)	555	-	502732 351713

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	A11NE (S)	0	4	502199 352663
21	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	A11NE (S)	0	4	502199 352663

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
South Kesteven District Council - Environmental Health	April 2015	Annual Rolling Update
Environment Agency - Head Office	June 2020	Annually
North Kesteven District Council - Environmental Health Department	October 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - Anglian Region	October 2022	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Anglian Region	March 2013	
Integrated Pollution Controls		
Environment Agency - Anglian Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - Anglian Region	July 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
South Kesteven District Council - Environmental Health	April 2014	Variable
North Kesteven District Council - Environmental Health Department	May 2014	Variable
Local Authority Pollution Prevention and Controls		
South Kesteven District Council - Environmental Health	April 2014	Annual Rolling Update
North Kesteven District Council - Environmental Health Department	May 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
South Kesteven District Council - Environmental Health	April 2014	Variable
North Kesteven District Council - Environmental Health Department	May 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	August 2022	
Pollution Incidents to Controlled Waters		
Environment Agency - Anglian Region	September 1999	
Prosecutions Relating to Authorised Processes		
Environment Agency - Anglian Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - Anglian Region	March 2013	
Registered Radioactive Substances		
Environment Agency - Anglian Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Water Abstractions		
Environment Agency - Anglian Region	October 2022	Quarterly
Water Industry Act Referrals		
Environment Agency - Anglian Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually

Data Currency

Agency & Hydrological	Version	Update Cycle
Source Protection Zones		
Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	August 2022	Quarterly
Flood Defences		
Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines		
Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage		
Lincolnshire County Council	February 2003	Not Applicable
North Kesteven District Council - Environmental Health Department	February 2003	Not Applicable
South Kesteven District Council - Environmental Health	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Lincolnshire County Council	October 2018	
North Kesteven District Council - Environmental Health Department	October 2018	
South Kesteven District Council - Environmental Health	October 2018	
Registered Landfill Sites		
Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - Anglian Region - Northern Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Lincolnshire County Council - Highways and Planning Department	August 2010	Variable
South Kesteven District Council	February 2016	Variable
North Kesteven District Council - Planning Department	October 2015	Variable
Planning Hazardous Substance Consents		
Lincolnshire County Council - Highways and Planning Department	August 2007	Variable
South Kesteven District Council	February 2016	Variable
North Kesteven District Council - Planning Department	October 2015	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	
Cheshire Brine Subsidence Compensation Board (CBSCB)	November 2020	As notified
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	October 2022	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines		
National Grid	October 2021	Bi-Annually
Underground Electrical Cables		
National Grid	May 2021	Bi-Annually
Sensitive Land Use	**Version**	**Update Cycle**
Ancient Woodland		
Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt		
North Kesteven District Council	July 2022	Quarterly
South Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt		
North Kesteven District Council	July 2022	Quarterly
South Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	February 2021	Bi-Annually
Marine Nature Reserves		
Natural England	July 2019	Bi-Annually
National Nature Reserves		
Natural England	January 2021	Bi-Annually
National Parks		
Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	June 2017	Bi-Annually
Ramsar Sites		
Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest		
Natural England	February 2021	Bi-Annually
Special Areas of Conservation		
Natural England	July 2020	Bi-Annually
Special Protection Areas		
Natural England	February 2021	Bi-Annually

Data Suppliers

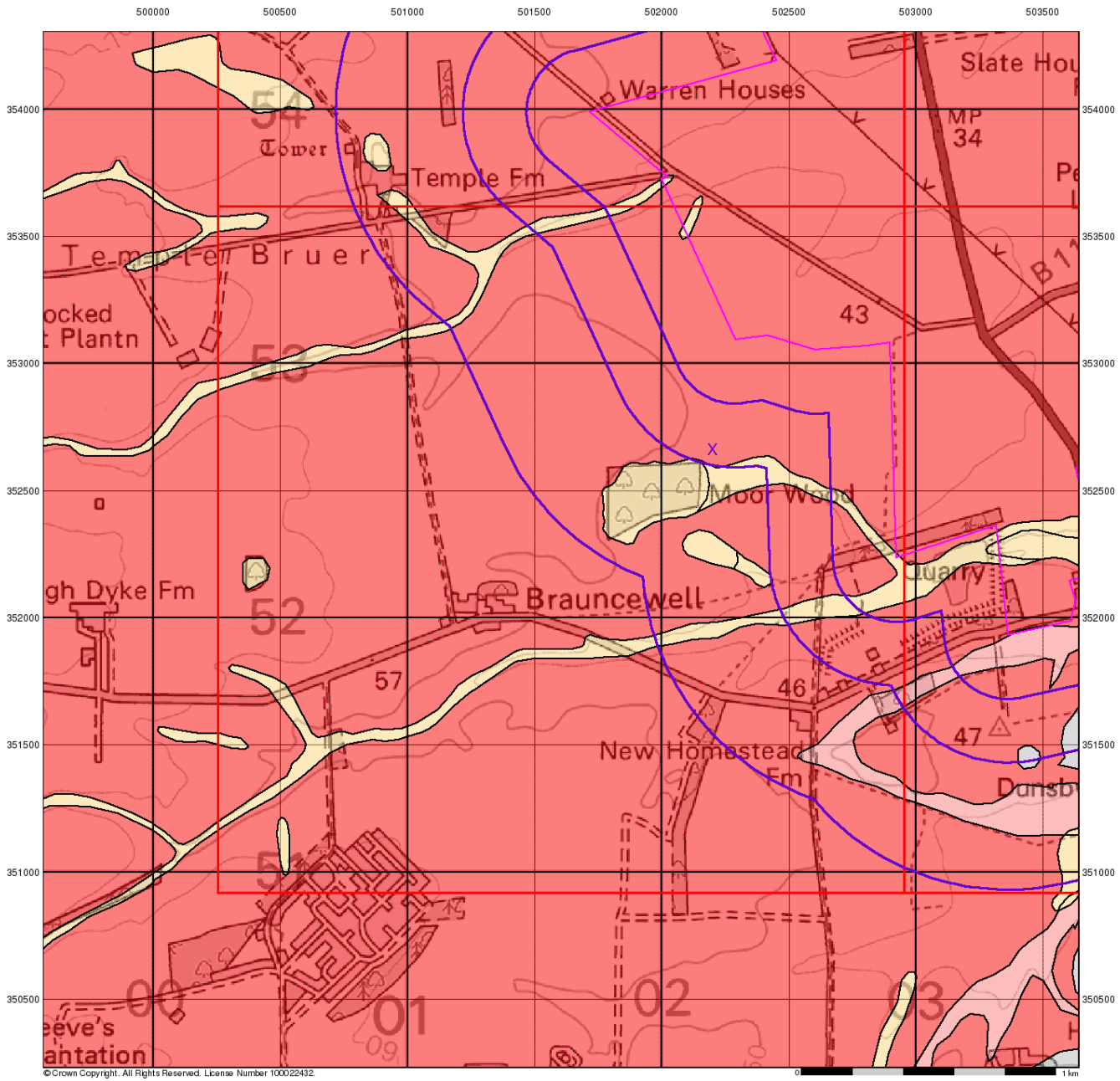
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

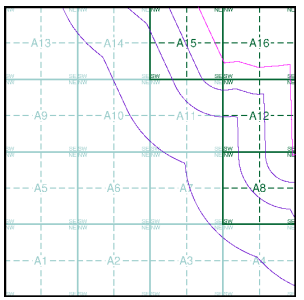
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



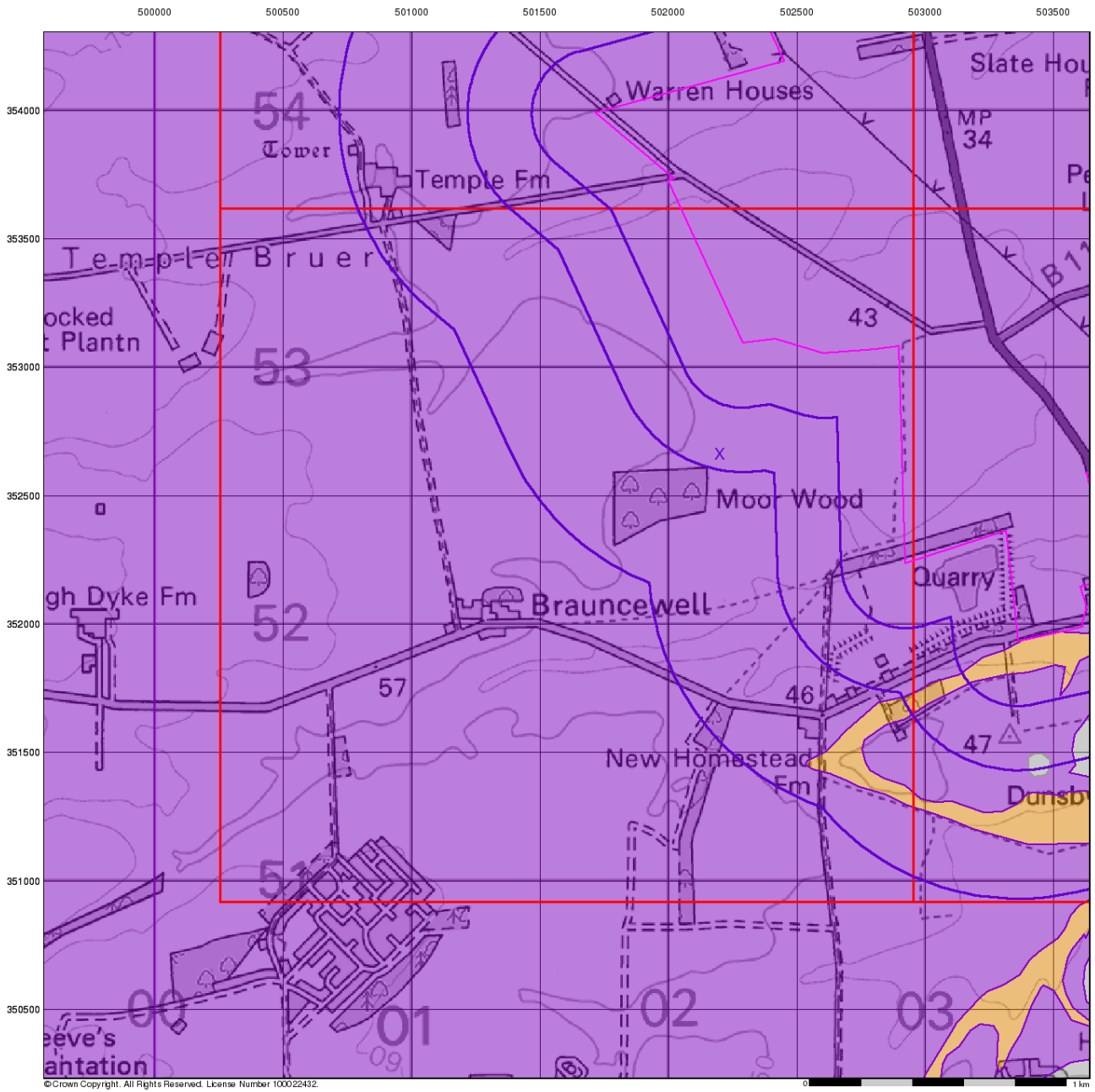
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

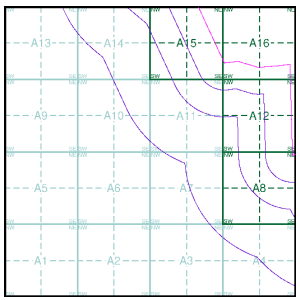
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



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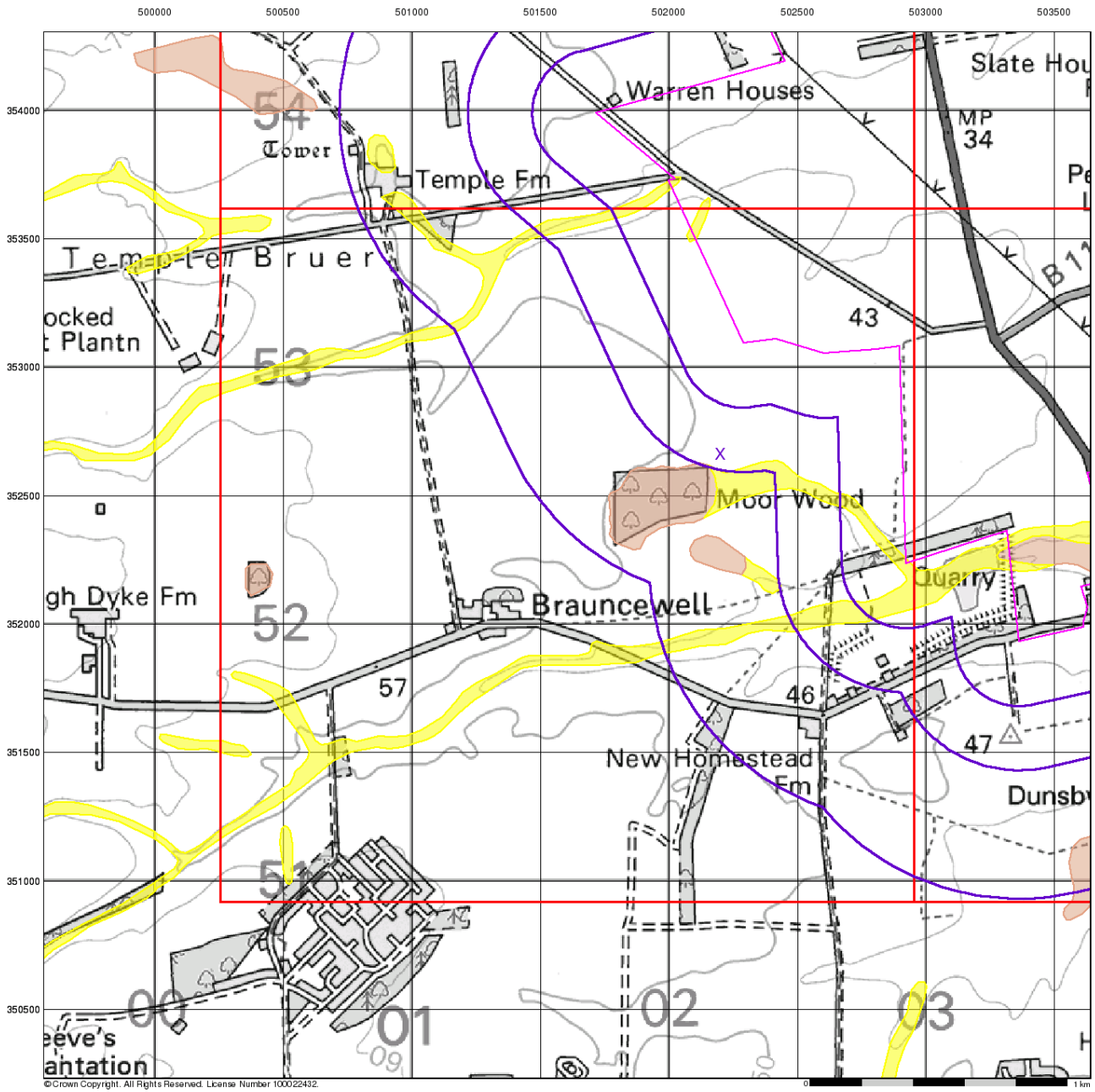


Superficial Aquifer Designation

General

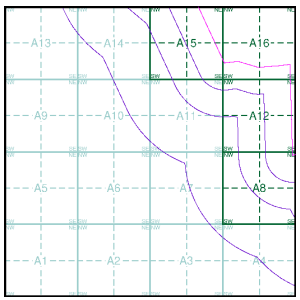
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



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Site Details

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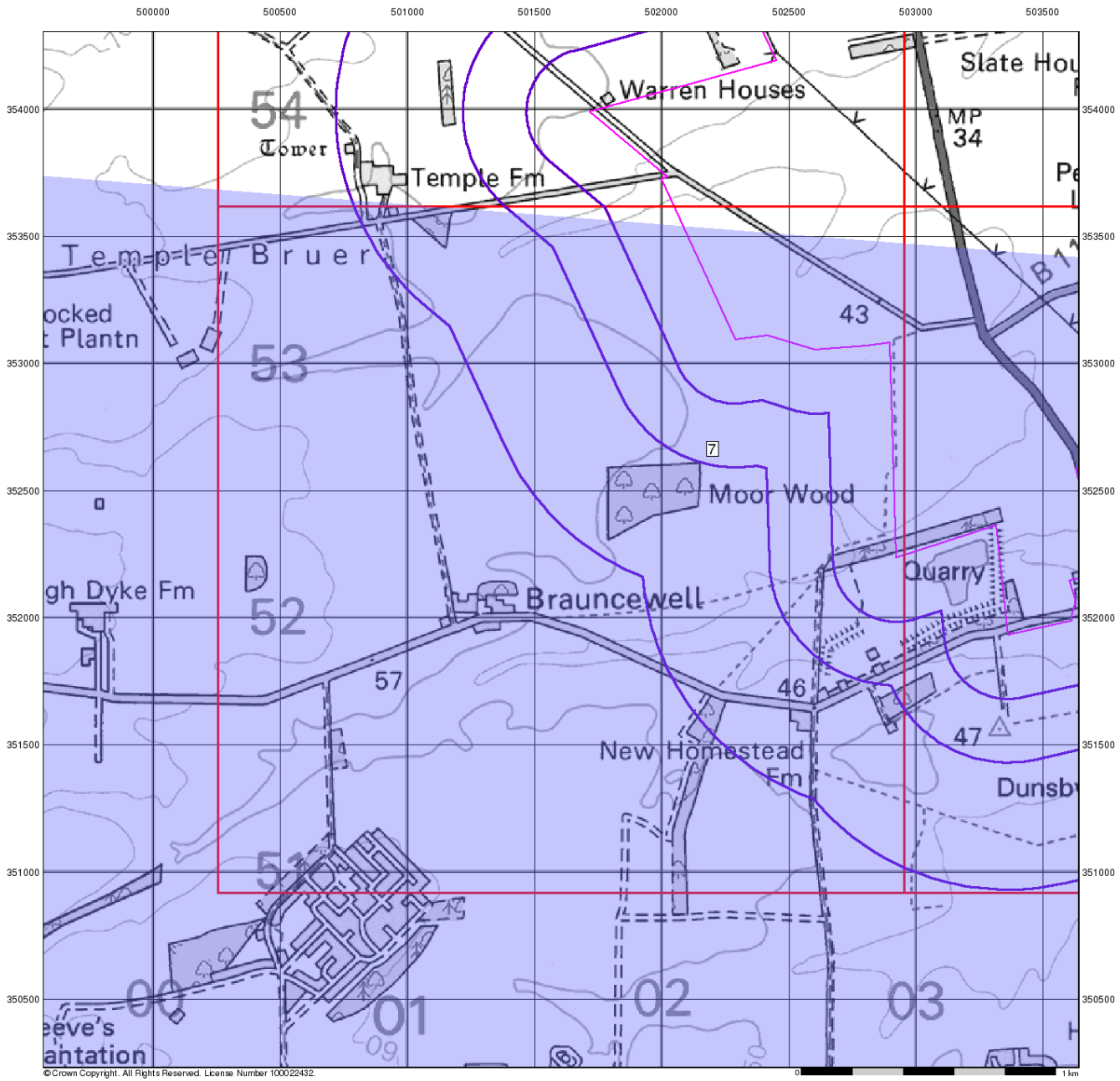


Source Protection Zones

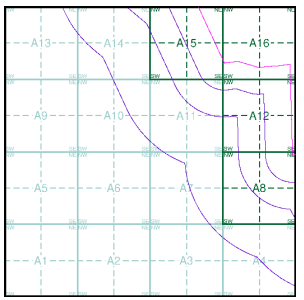
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



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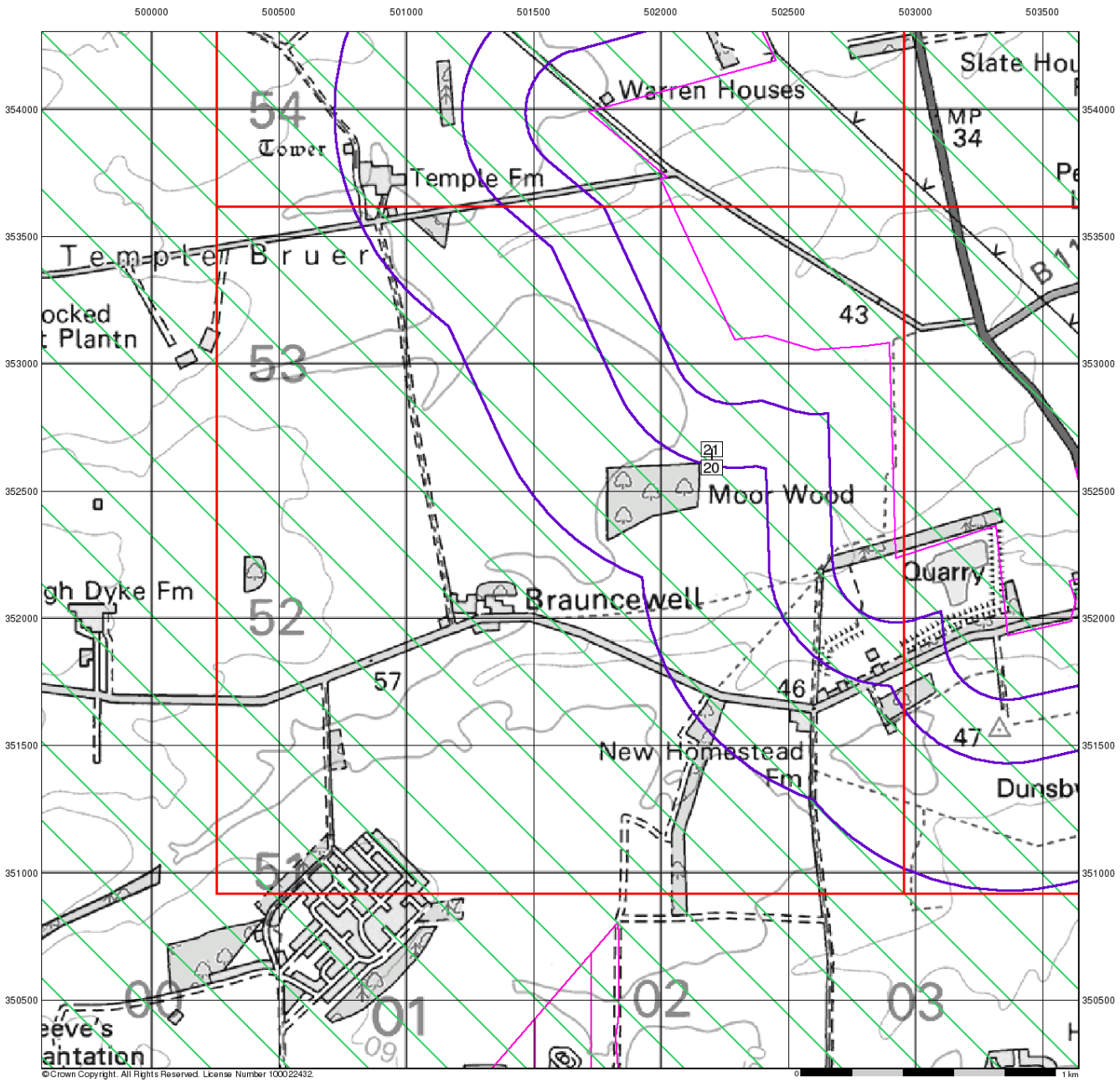


Sensitive Land Uses

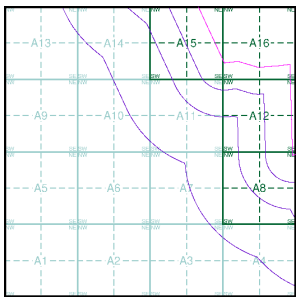
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



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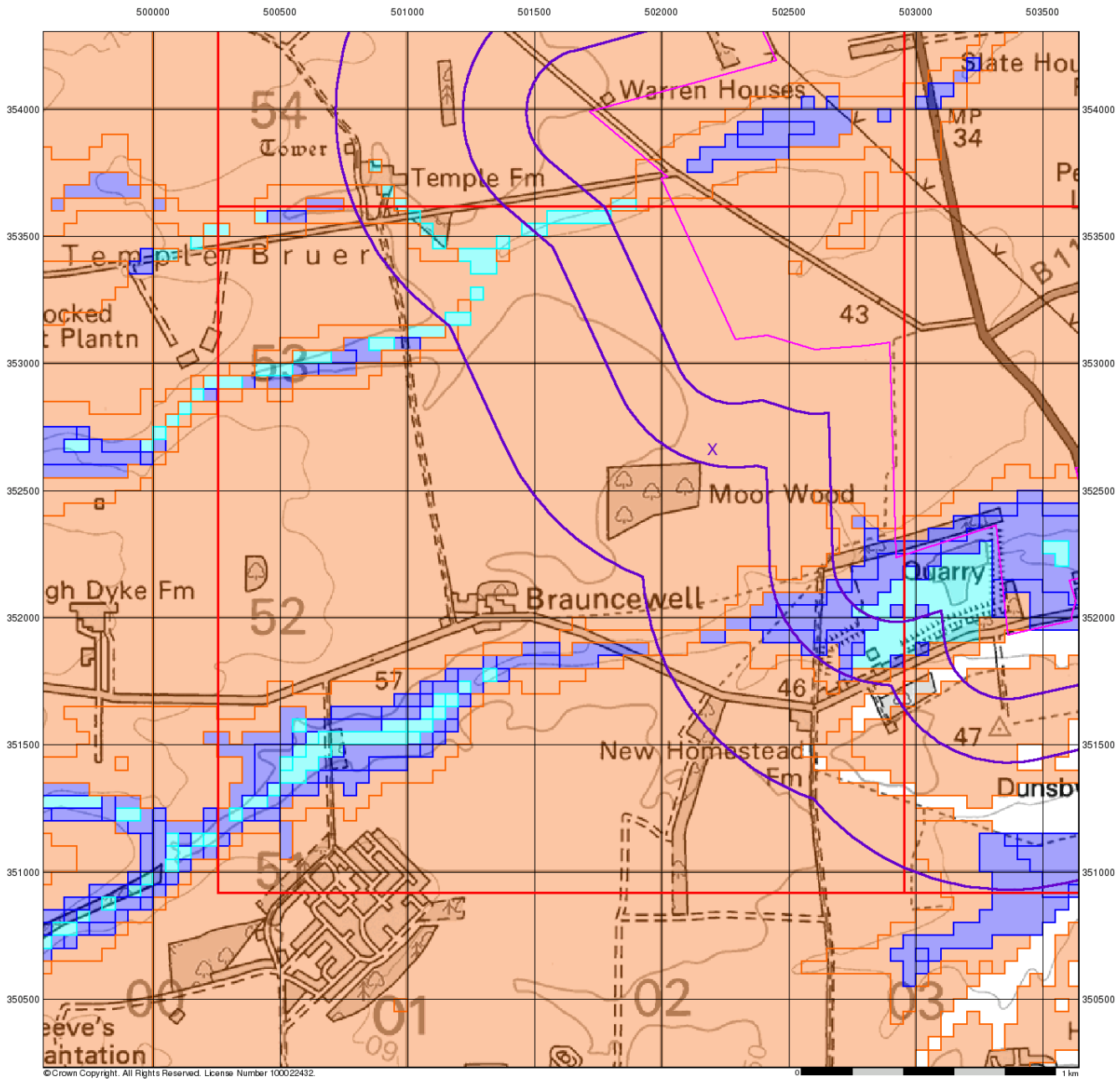


RSK

BGS Flood GFS Data

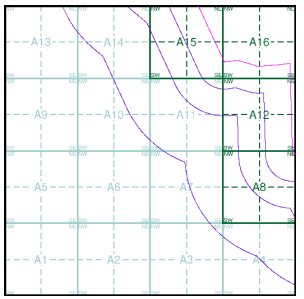
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

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Slice:	A
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Site Details

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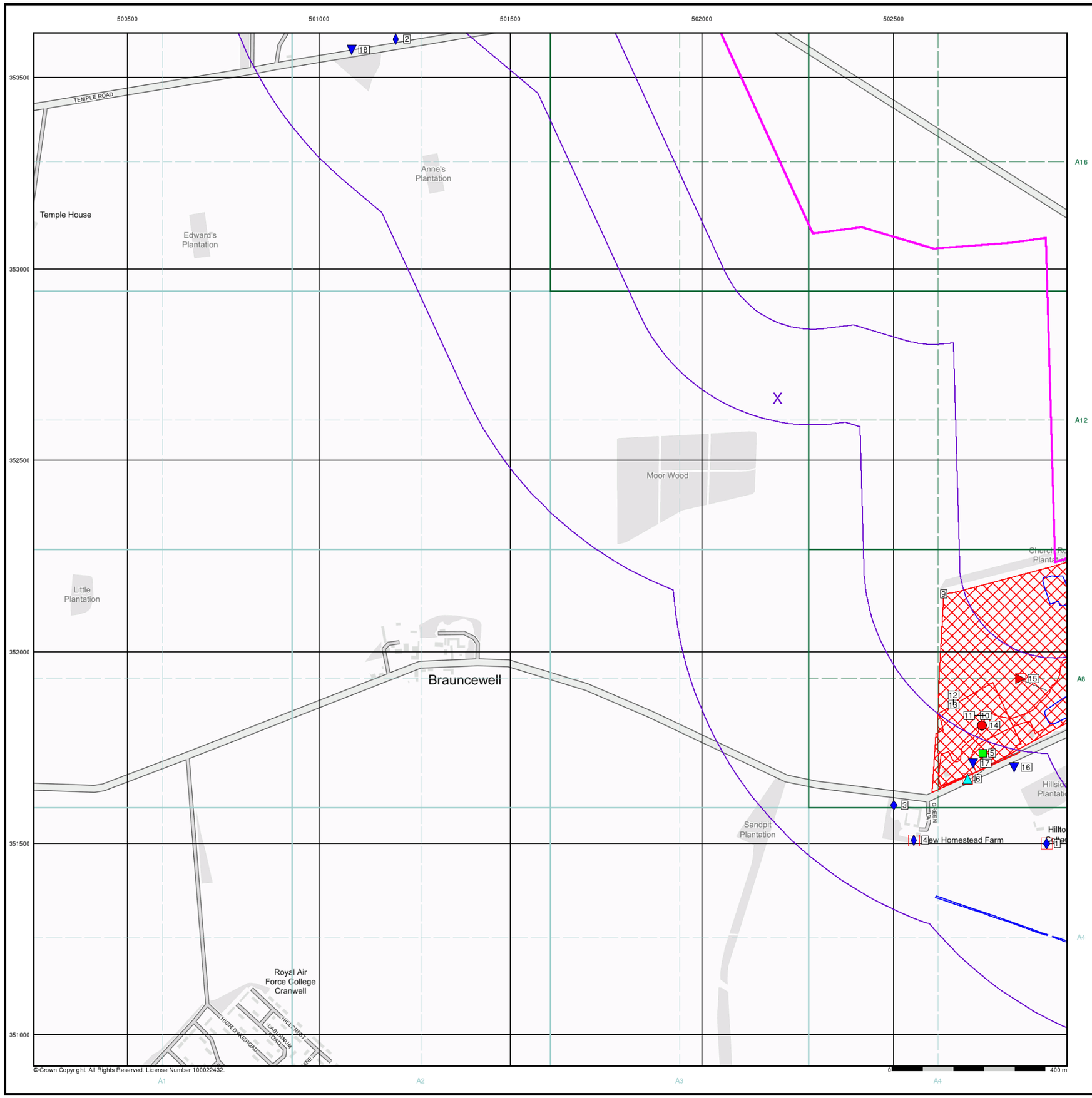

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General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

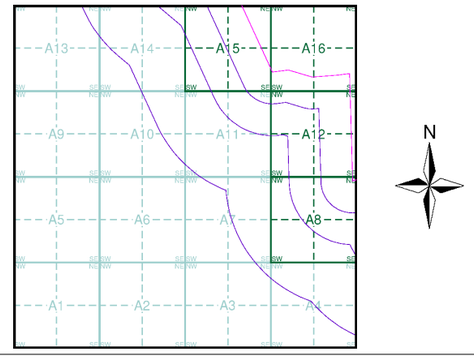
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



Order Details

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Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

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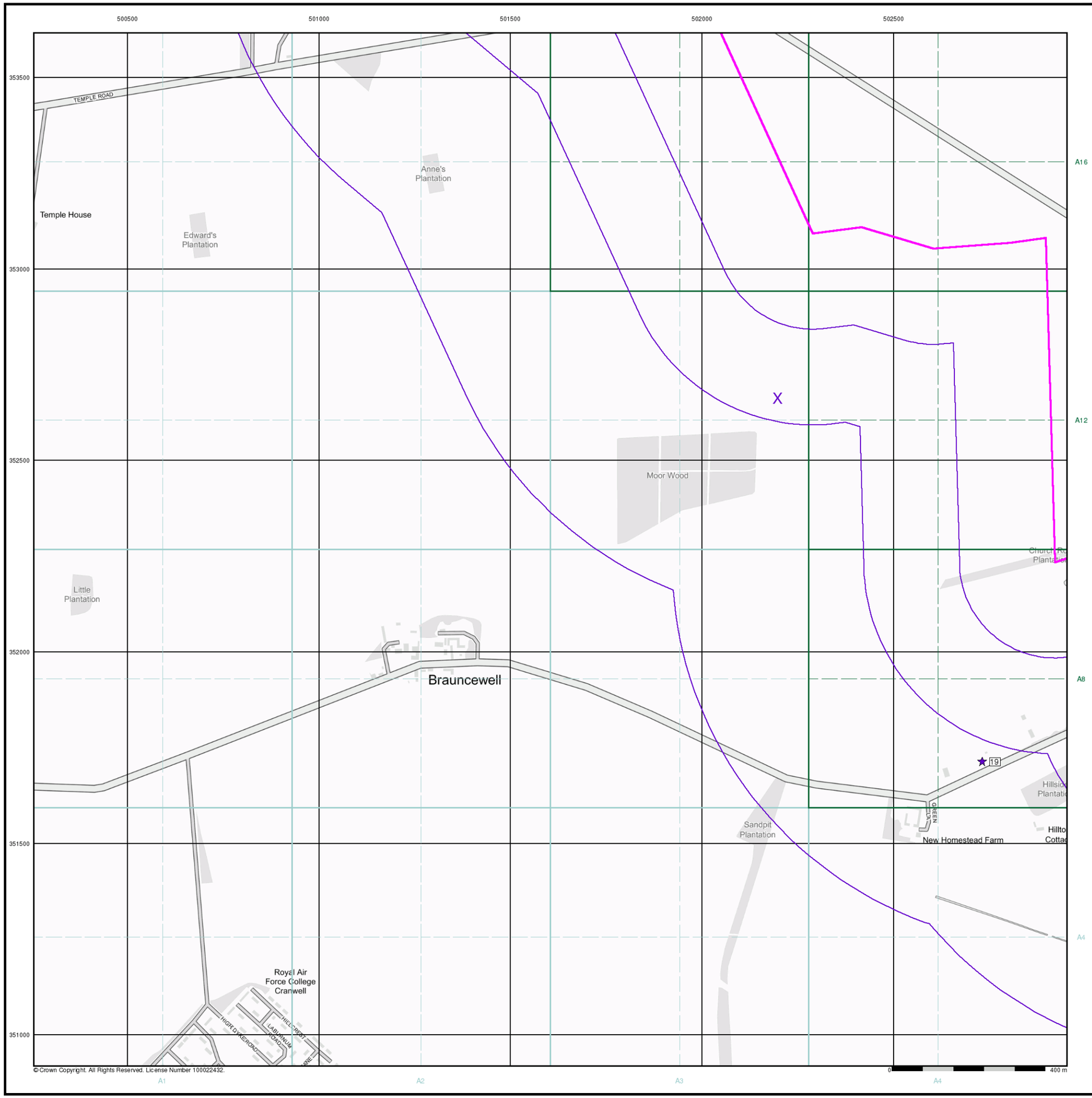

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Industrial Land Use Map

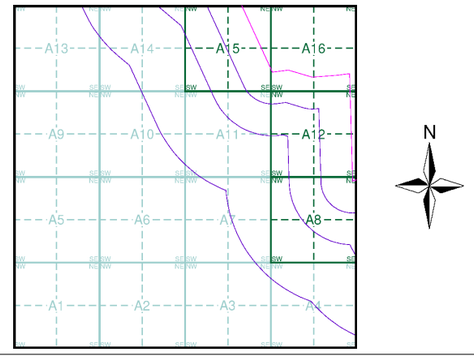
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

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Slice:	A
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Search Buffer (m):	1000

Site Details

All Areas New

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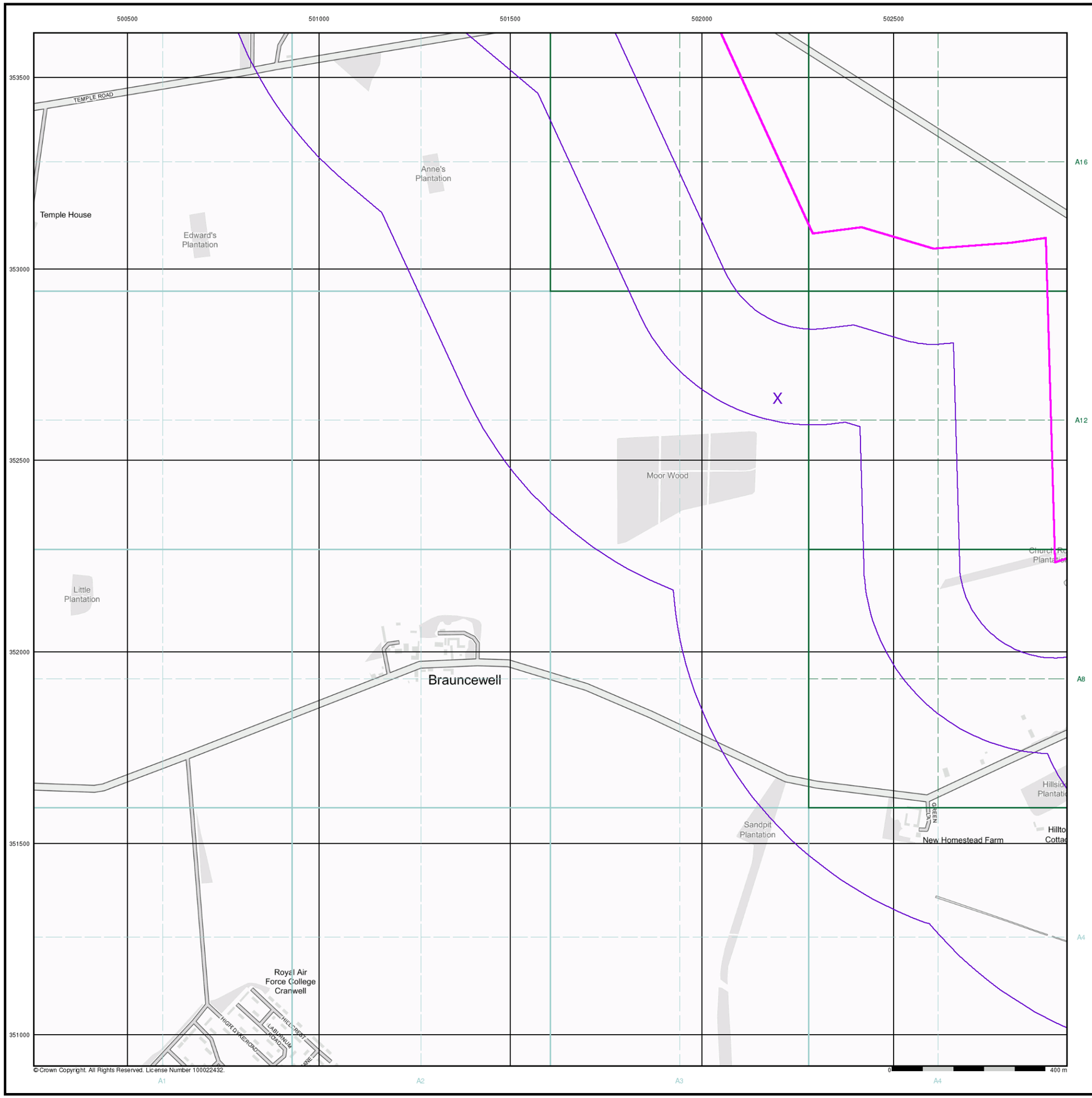

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RSK

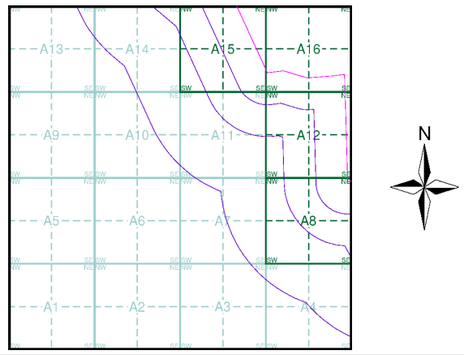
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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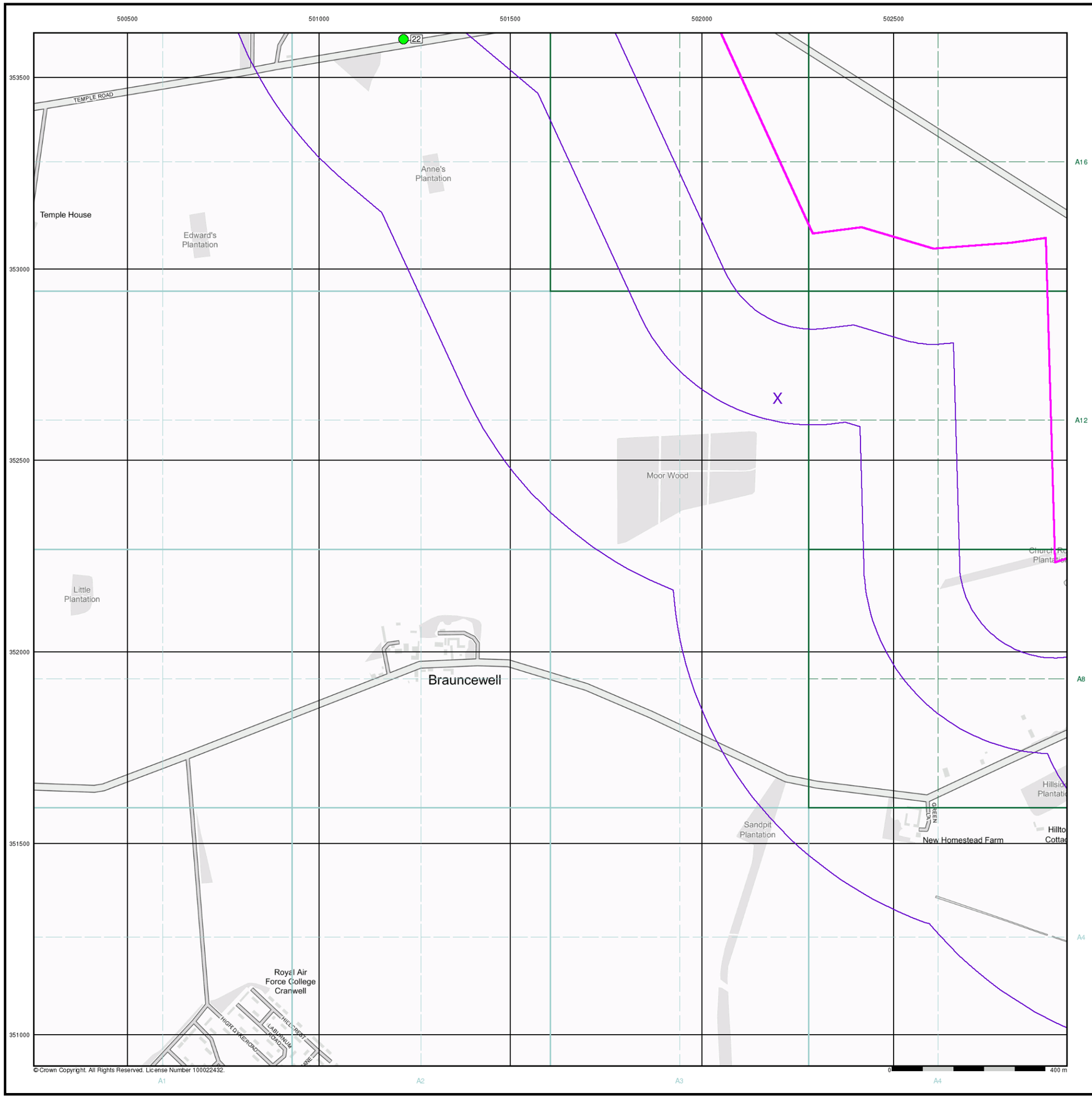
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Map ID
- Several of Type at Location

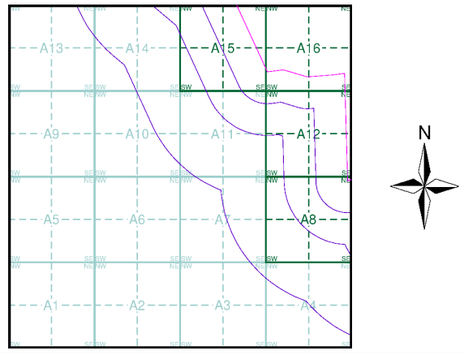
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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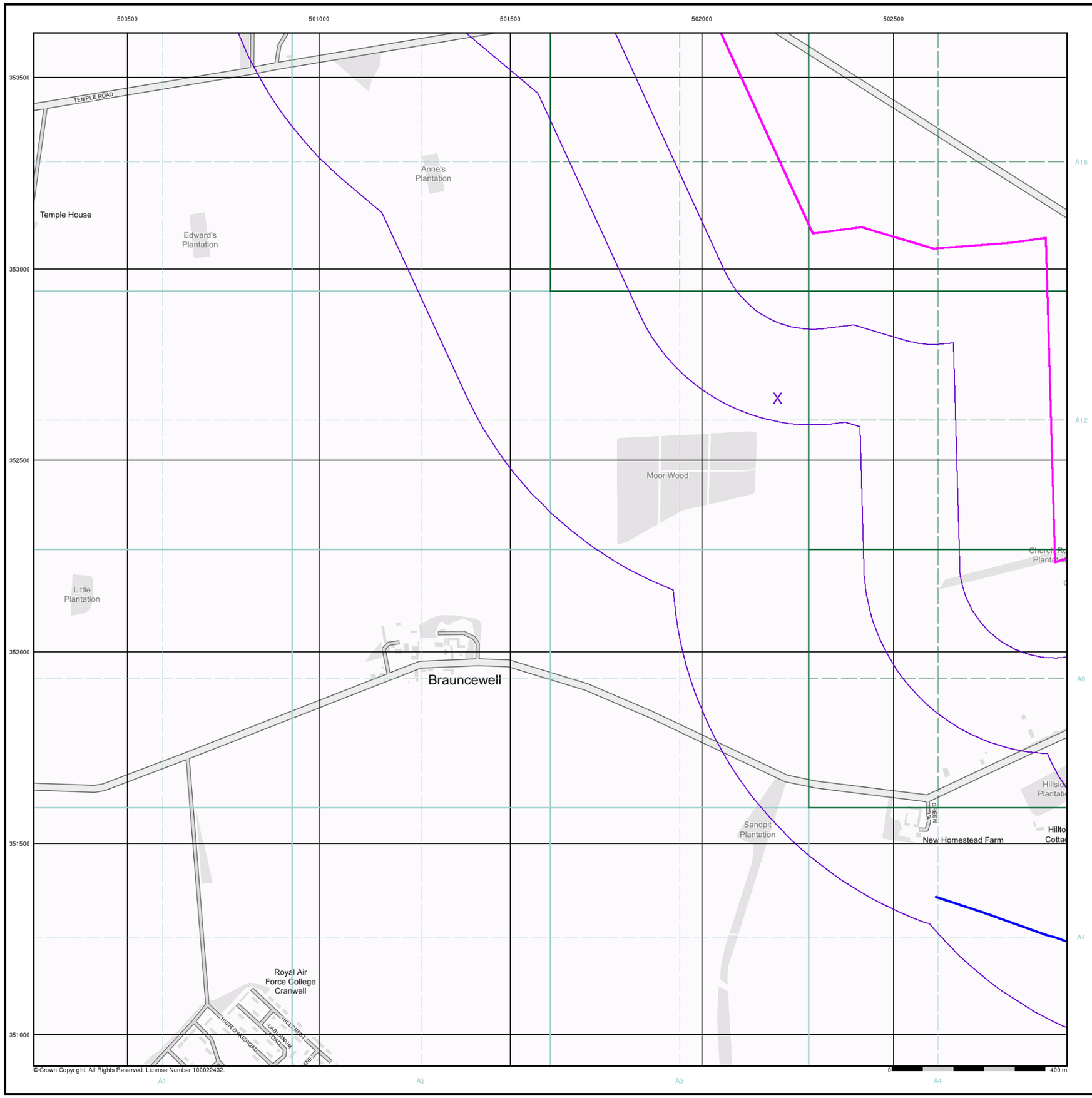

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RSK

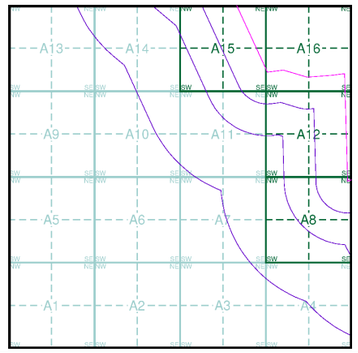
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice A



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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
502200, 352660

Slice:
A

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	-
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	2
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	3
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	5
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	6
Data Suppliers	7
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1				3
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 2			1	2
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 2				2
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 3	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 3	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Brauncewell Stone Pit Location: Brauncewell, Cranwell, Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136080 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A8SE (SE)	543	1	502814 351703
2	**BGS Recorded Mineral Sites** Site Name: Brauncewell Stone Pit Location: Brauncewell, Cranwell, Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136079 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A8SE (SE)	565	1	502707 351713
3	**BGS Recorded Mineral Sites** Site Name: Temple Farm Stone Pit Location: Temple Bruer, Welbourn, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134924 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lower Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A14NW (NW)	755	1	501085 353577
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**General Quarrying** Use: Not Supplied Date of Mapping: 1891 - 1985	A8SE (SE)	353	-	502636 351749
5	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	A8SE (SE)	544	-	502815 351701
6	**General Quarrying** Use: Not Supplied Date of Mapping: 1890	A14NW (NW)	748	-	501084 353592
7	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	A8SE (SE)	546	-	502815 351700
8	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	A14NW (NW)	748	-	501084 353592

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
9	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
10	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	501781 353681
11	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(E)	0	1	503276 352267
12	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	1	501873 353602
13	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
14	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (NW)	0	1	501819 353557
15	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (SE)	0	1	502868 351966
16	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8SE (SE)	116	1	502848 351605
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	503207 354161
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8SE (SE)	0	1	502818 351693
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NW (NW)	118	1	501715 353537
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SE)	150	1	503671 351727
17	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663
18	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(SE)	10	1	503173 352208
19	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (SW)	0	1	502174 352608
20	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	1	501873 353602
21	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	1	502084 353489
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (SW)	0	1	502174 352608
23	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	0	1	502084 353489
24	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	0	1	501873 353602
25	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(SE)	150	1	503671 351727
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (S)	0	1	502199 352663

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0153	1979
Ordnance Survey Plan	TF0252	1979
Ordnance Survey Plan	TF0252	1979
Ordnance Survey Plan	TF0252	1979
Ordnance Survey Plan	TF0252	1979
Ordnance Survey Plan	TF0253	1979
Ordnance Survey Plan	TF0253	1979
Ordnance Survey Plan	TF0152	1980
Ordnance Survey Plan	TF0251	1980

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	096_NE	1890
Lincolnshire	097_NW	1891
Lincolnshire	097_SW	1891
Lincolnshire	096_SE	1892
Lincolnshire	096_NE	1905
Lincolnshire	096_SE	1905
Lincolnshire	097_NW	1906
Lincolnshire	097_SW	1906
Lincolnshire	096_NE	1947
Lincolnshire	096_SE	1947
Lincolnshire	097_NW	1950
Lincolnshire	097_SW	1950
Ordnance Survey Plan	TF05SW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF05SW	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

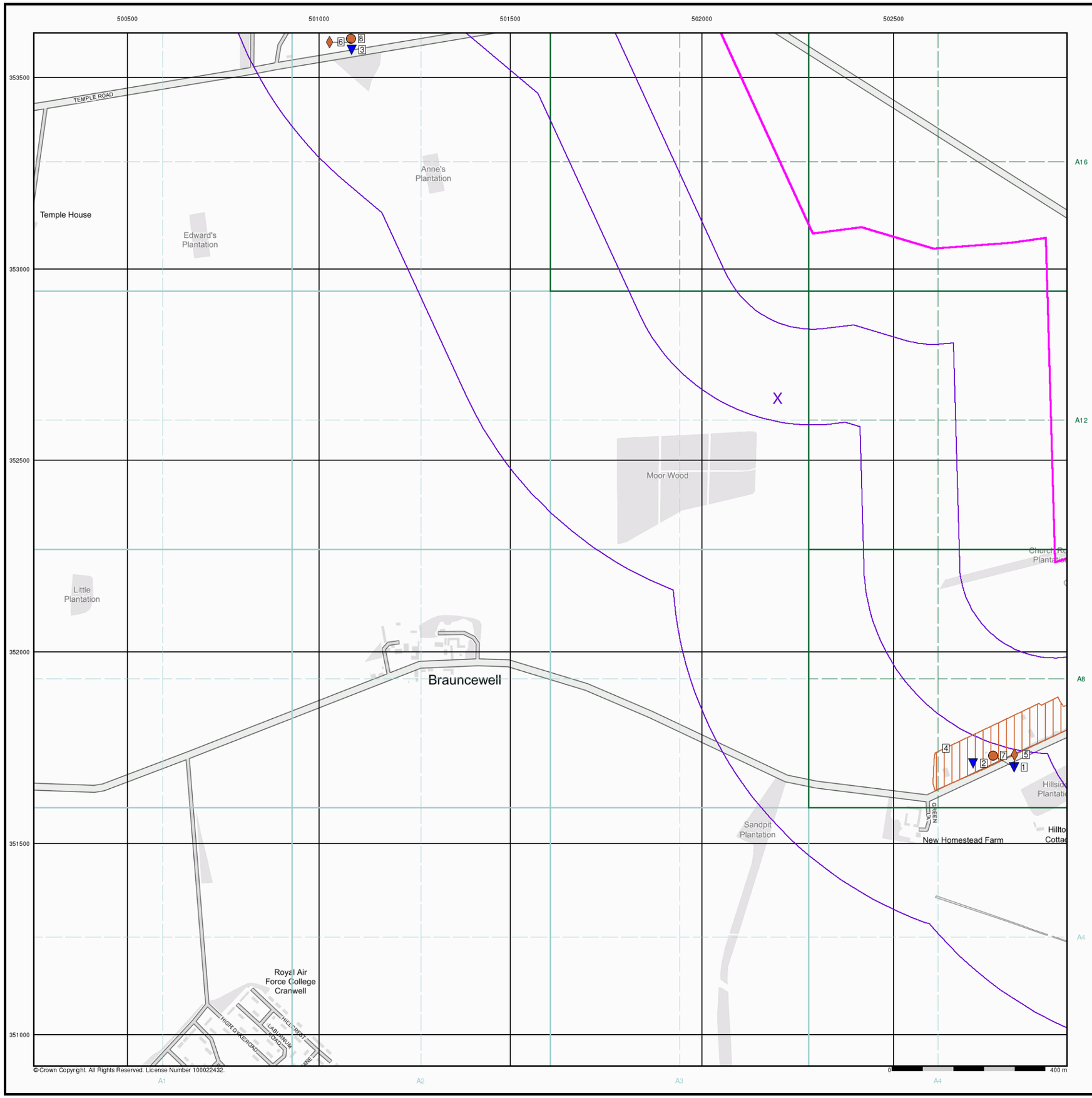
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆	—	▨
Disturbed Ground	◆	—	▨
General Quarrying	◆	—	▨
Heap, unknown constituents	◆	—	▨
Mineral Railway	◆	—	▨
Mining and Quarrying General	◆	—	▨
Mining of Coal & Lignite	◆	—	▨
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆	—	▨

Historical Land Use

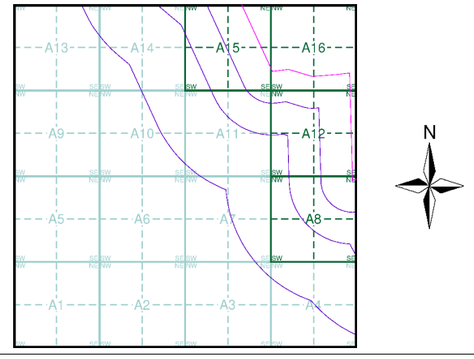
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●	- - -	■
Potentially Infilled Land (Water)	●	- - -	■
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice A



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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

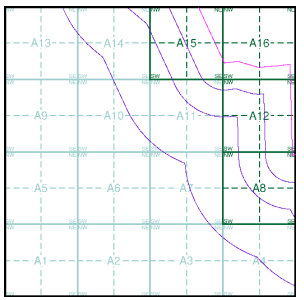
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice A



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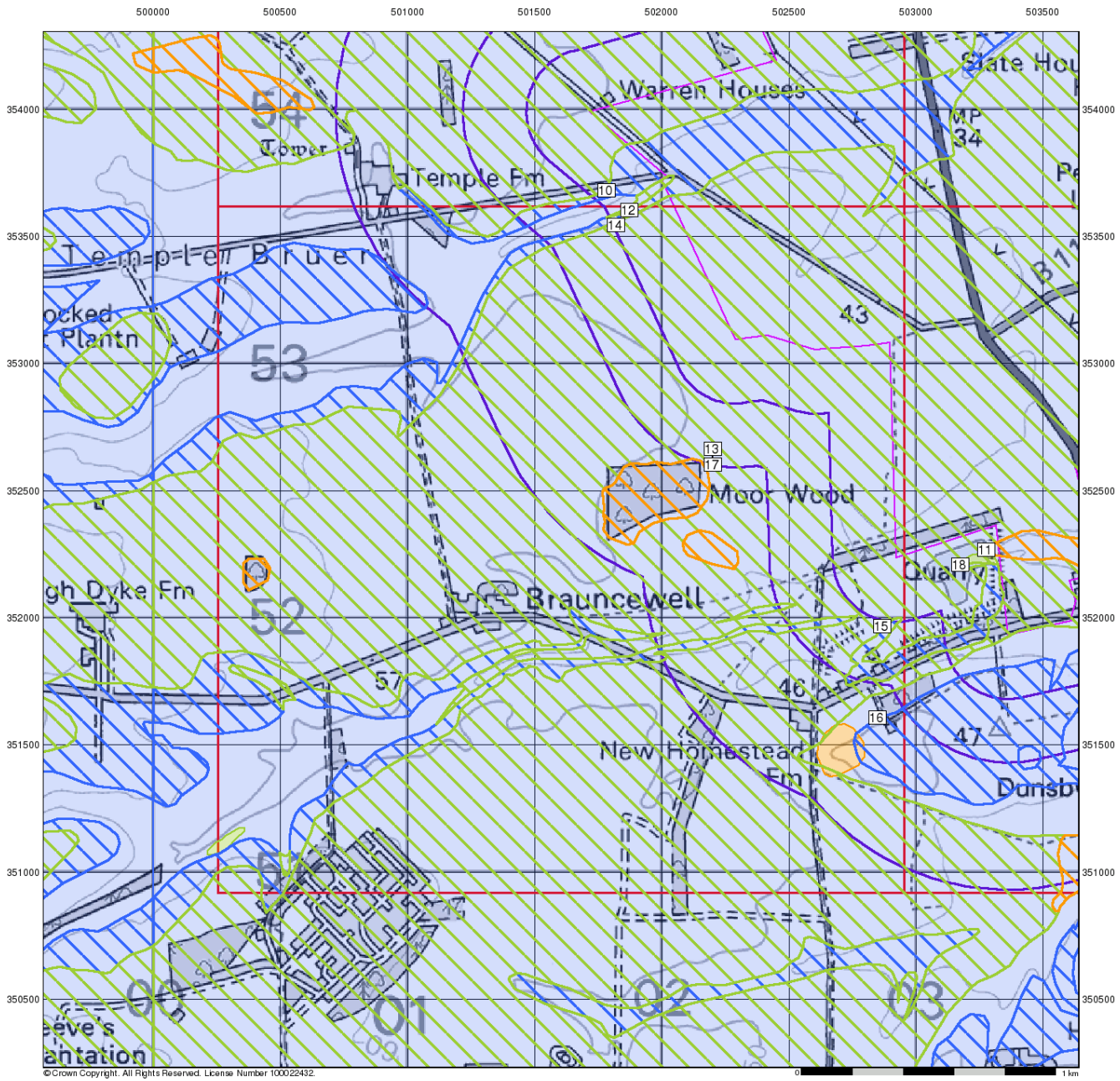

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

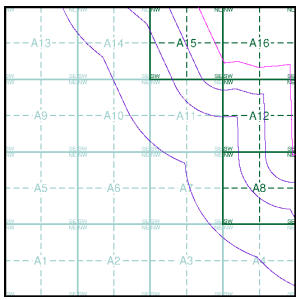
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice A



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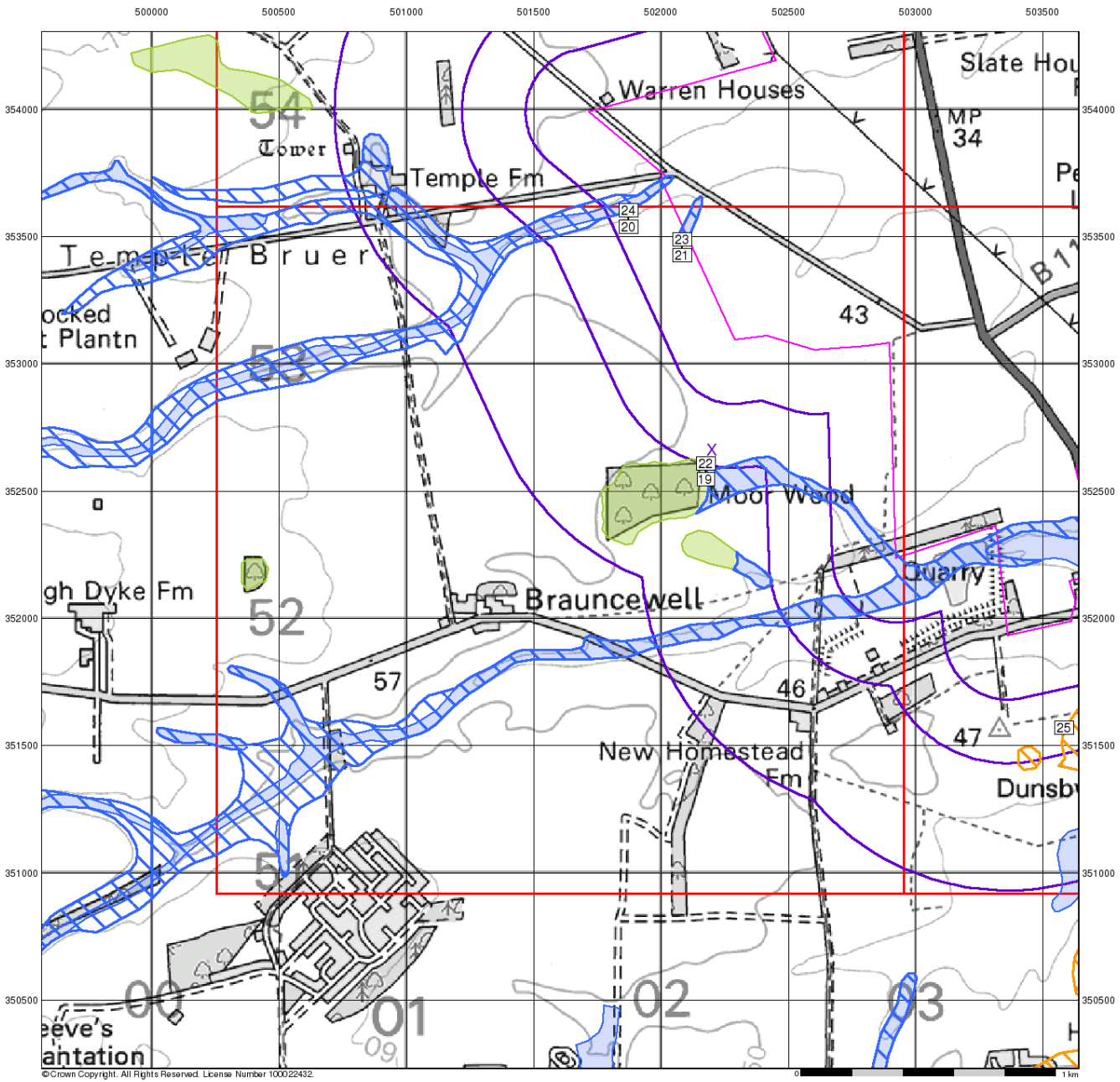

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

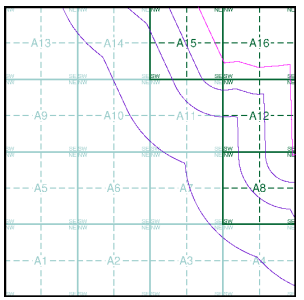
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice A



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

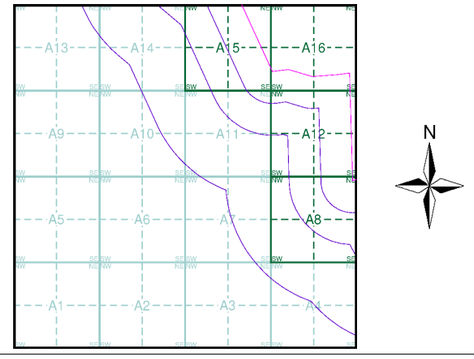
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1905 - 1906	3
Lincolnshire	1:10,560	1947 - 1950	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1985	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice A



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 502200, 352660
Slice: A
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

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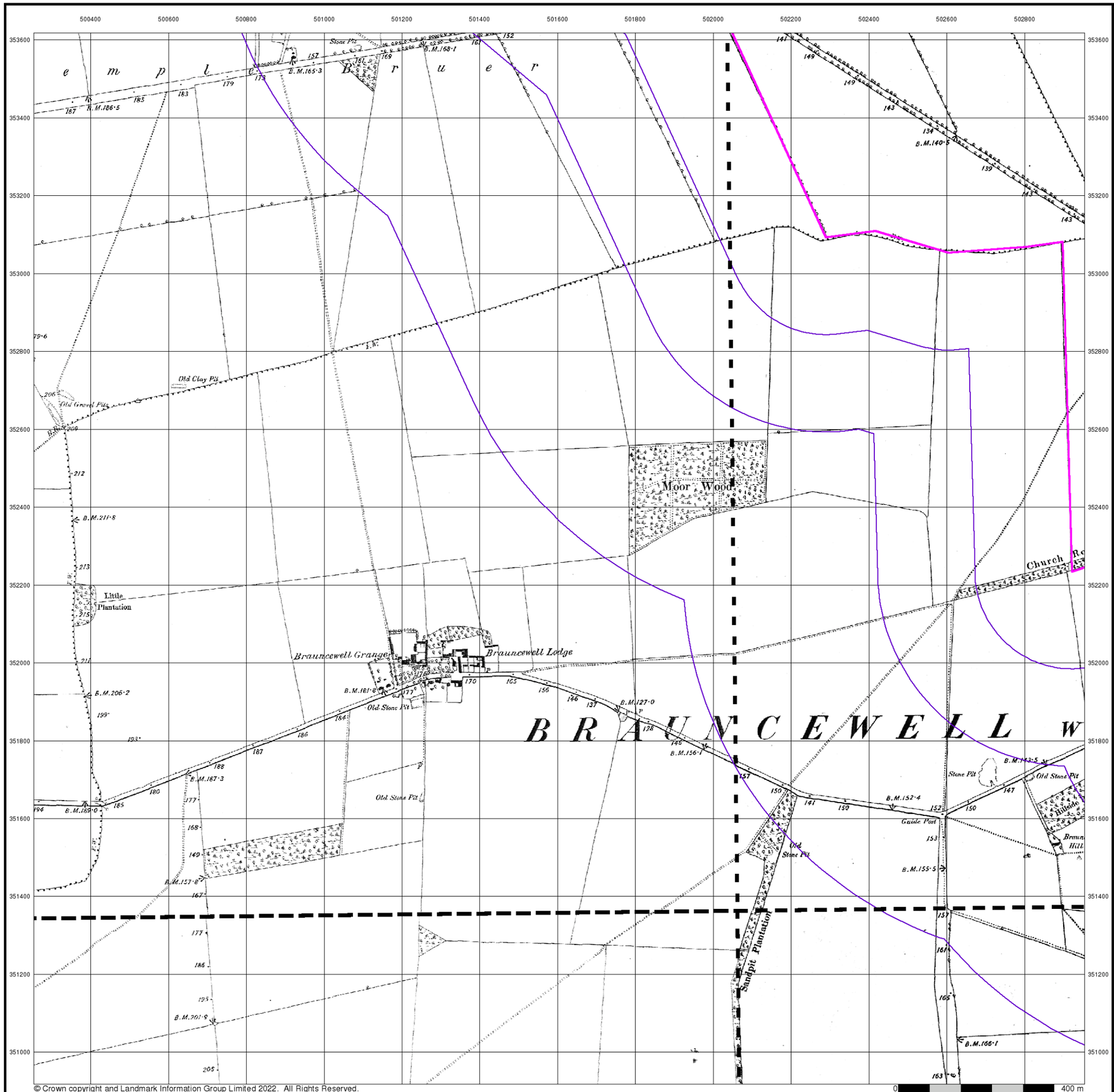
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RSK

Lincolnshire

Published 1887

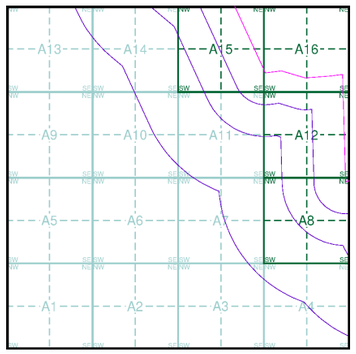
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

096NE 1887 1:10,560	097NW 1887 1:10,560
096SE 1887 1:10,560	097SW 1887 1:10,560

Historical Map - Slice A



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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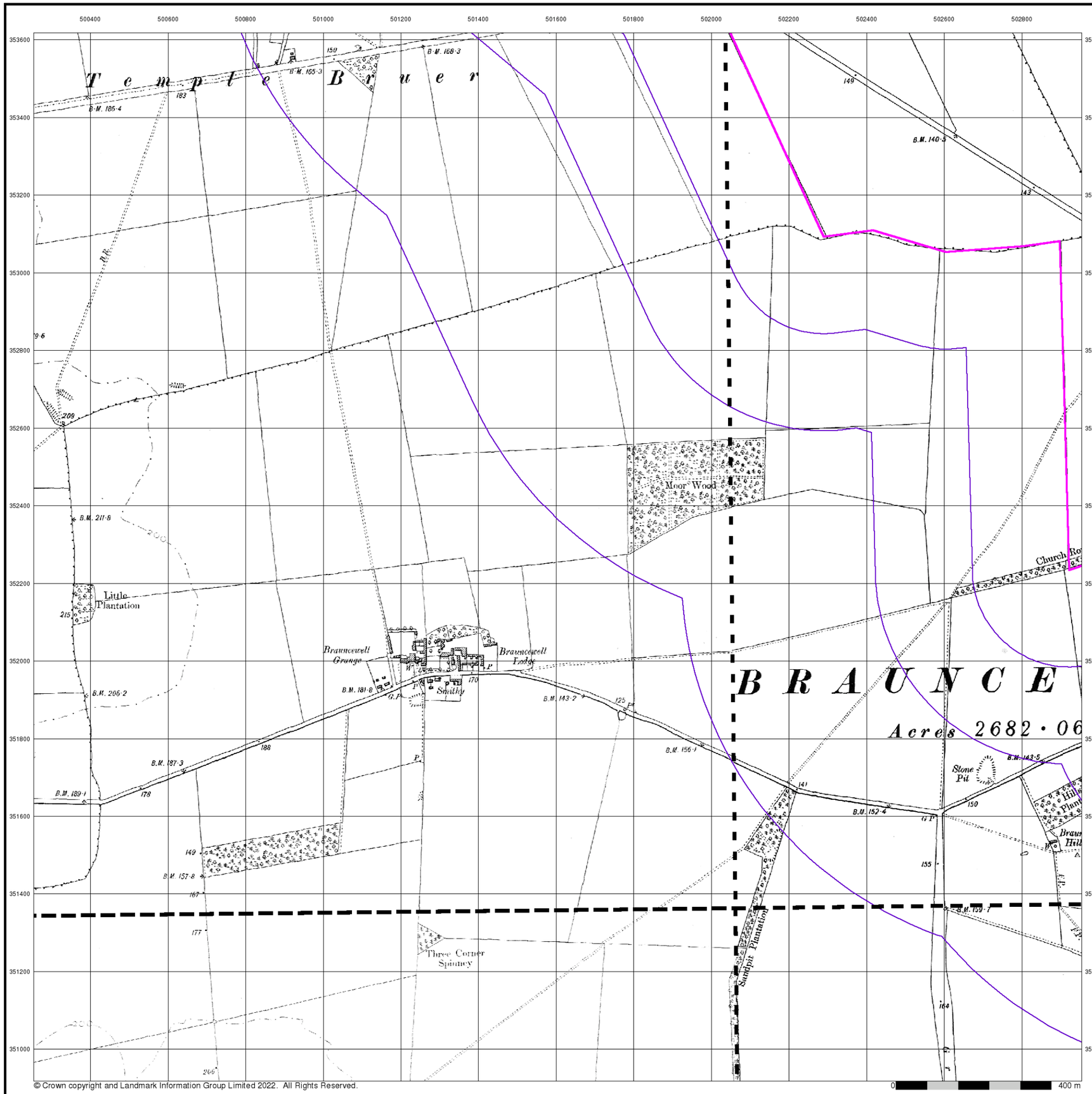

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RSK

Lincolnshire

Published 1905 - 1906

Source map scale - 1:10,560

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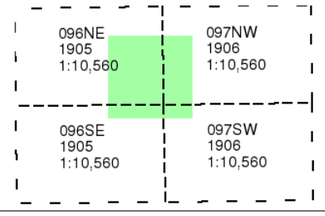
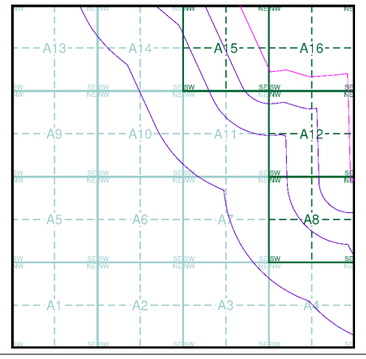
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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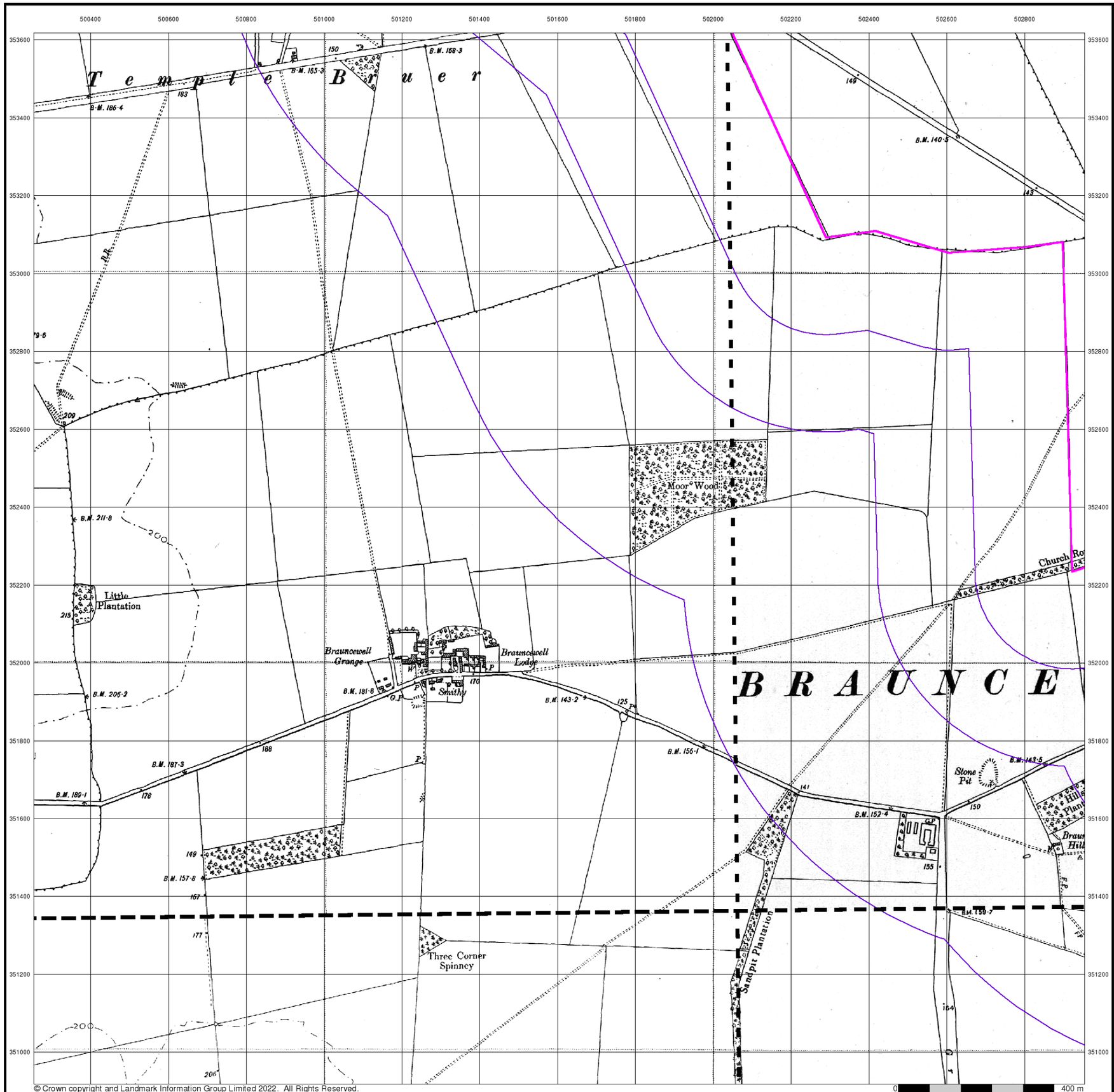
Web: www.envirocheck.co.uk



RSK

Lincolnshire

Published 1947 - 1950

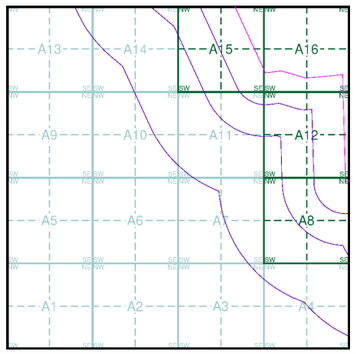
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

096NE 1947 1:10,560	097NW 1950 1:10,560
096SE 1947 1:10,560	097SW 1950 1:10,560

Historical Map - Slice A



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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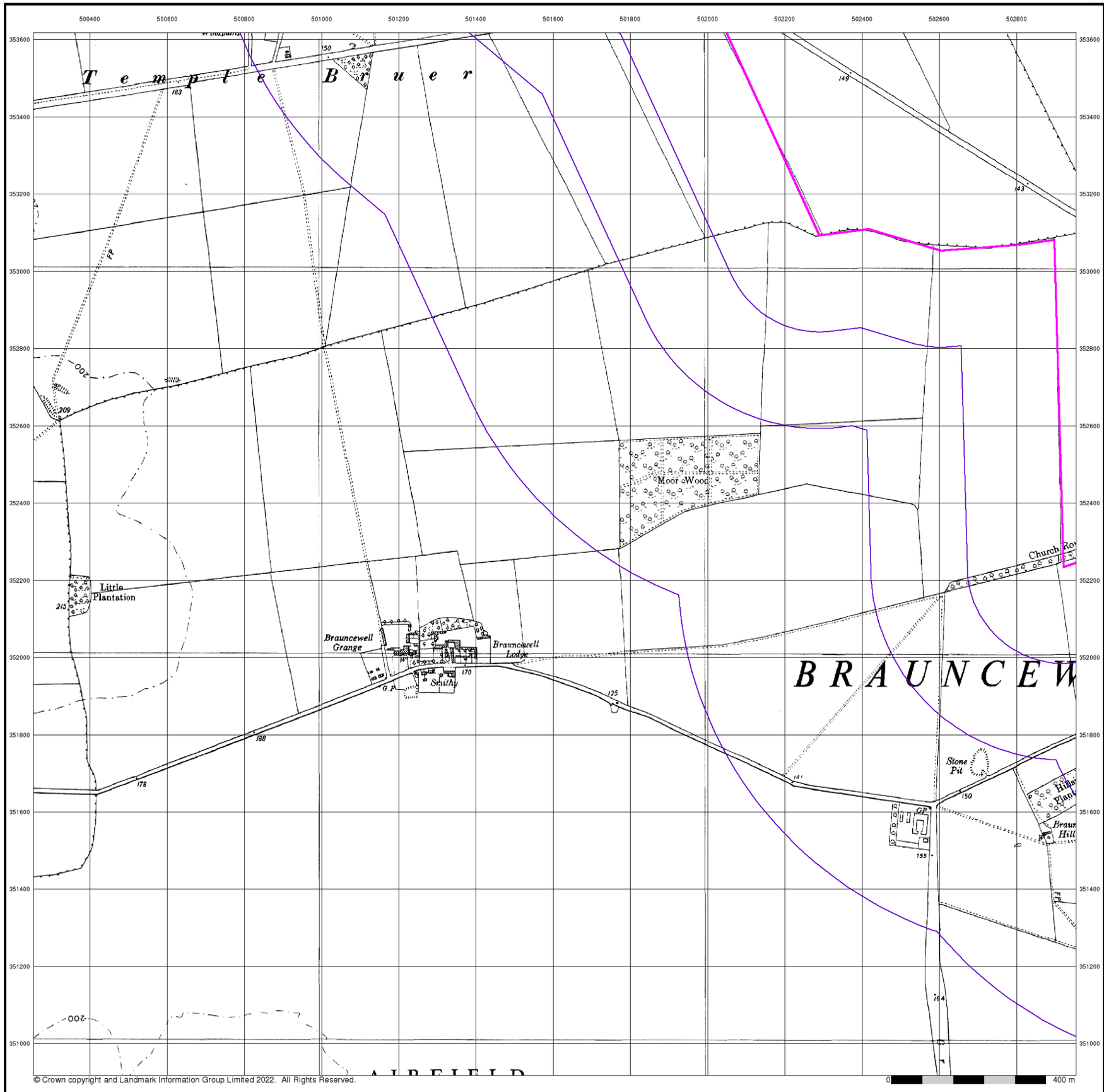
Web: www.envirocheck.co.uk



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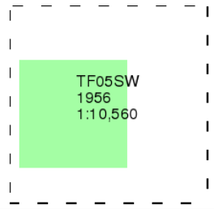
Ordnance Survey Plan

Published 1956

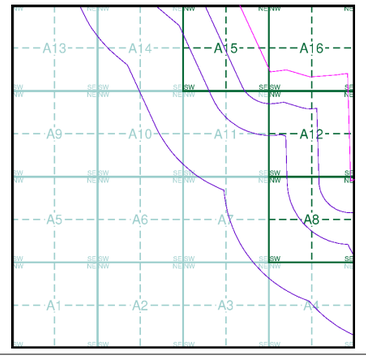
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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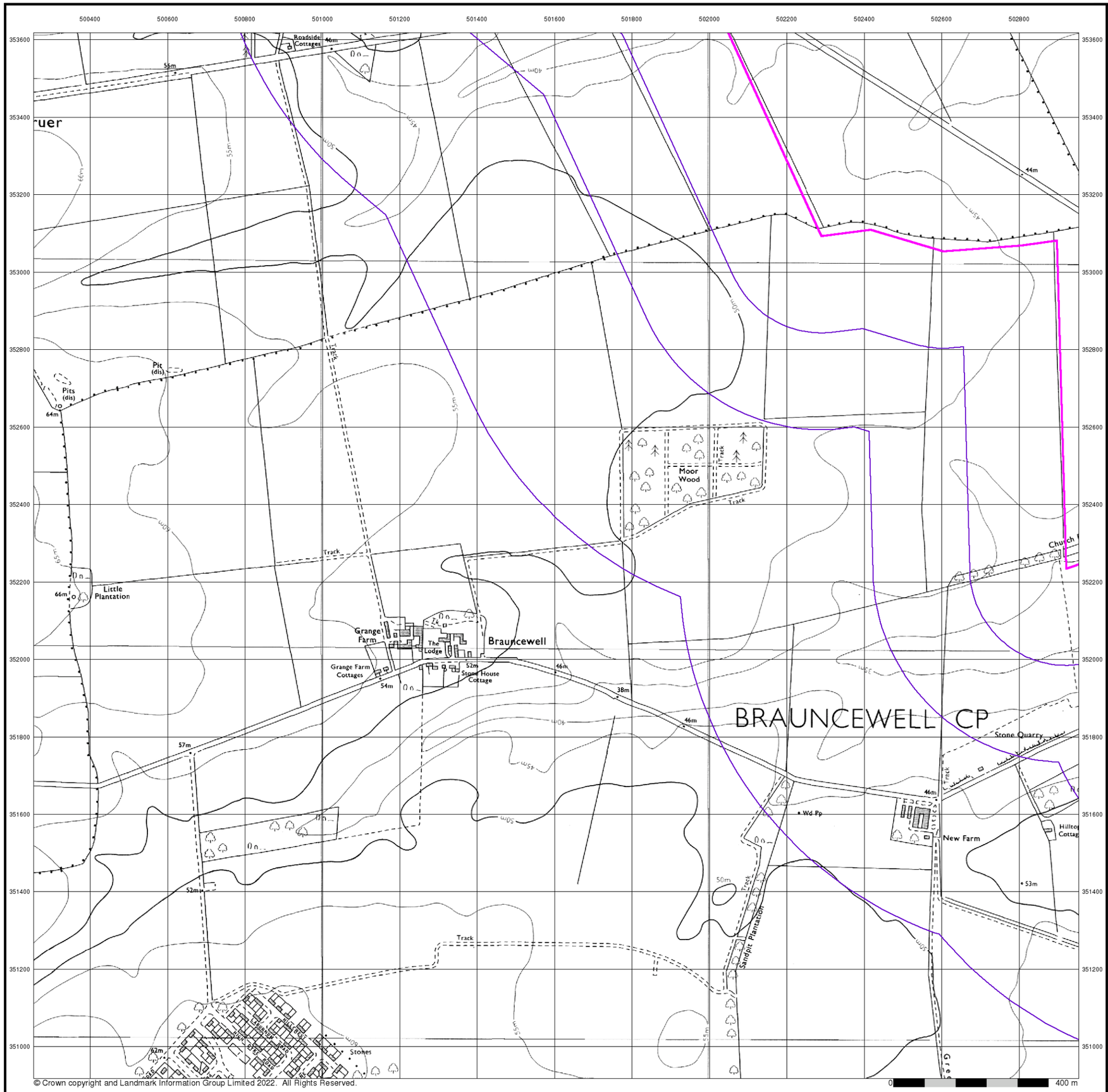
Web: www.envirocheck.co.uk



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Ordnance Survey Plan

Published 1985

Source map scale - 1:10,000

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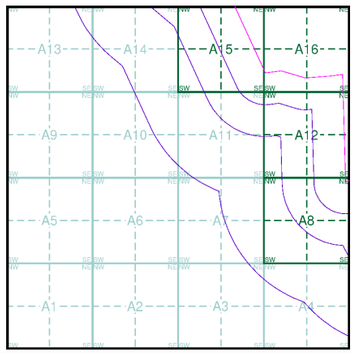
Map Name(s) and Date(s)

TF05SW
1985
1:10,000

Historical Map - Slice A



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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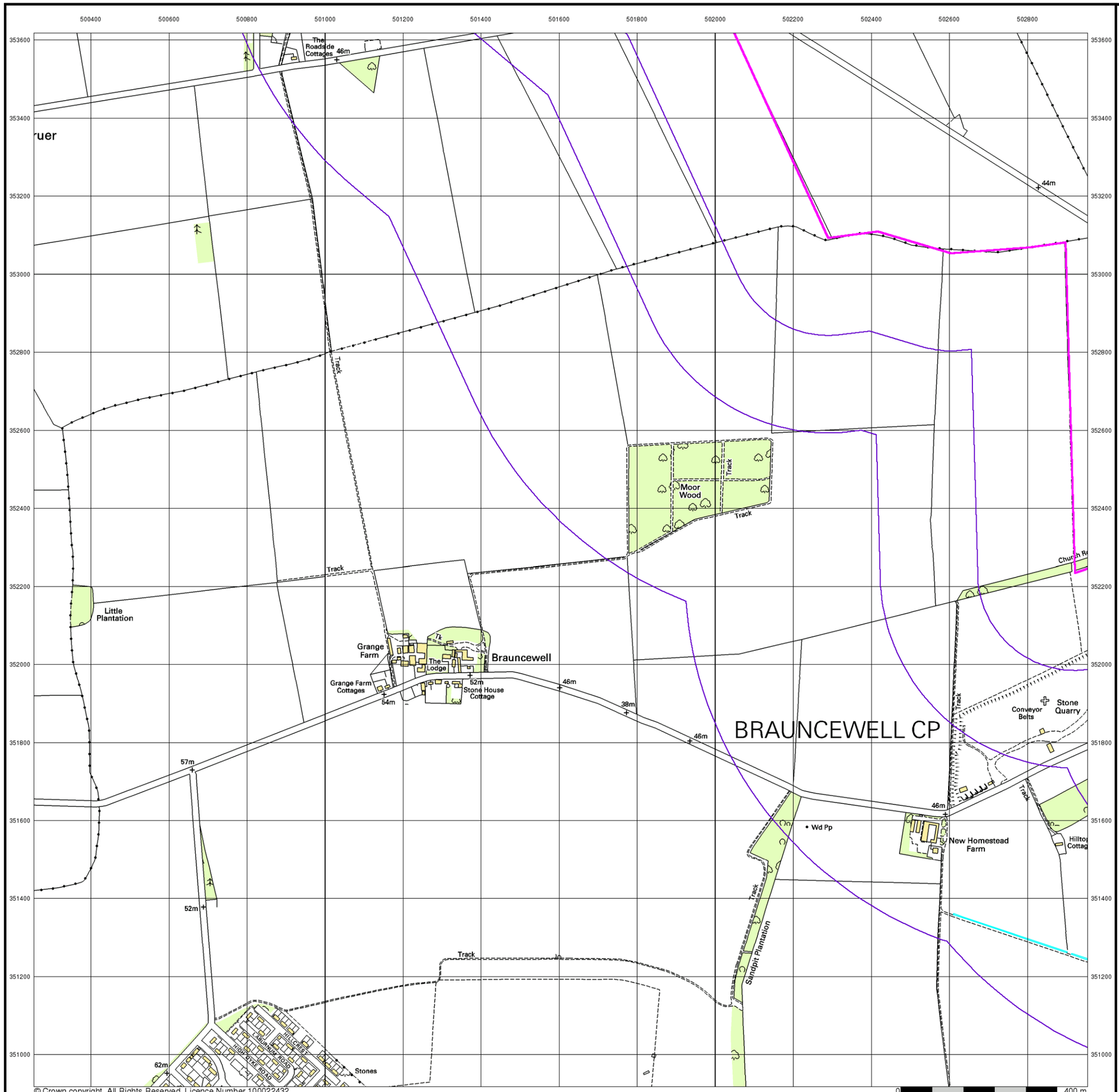

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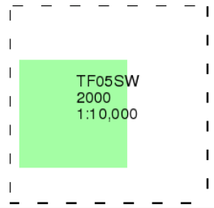
10k Raster Mapping

Published 2000

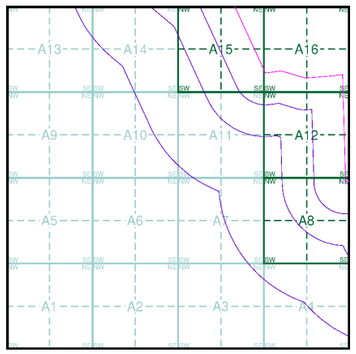
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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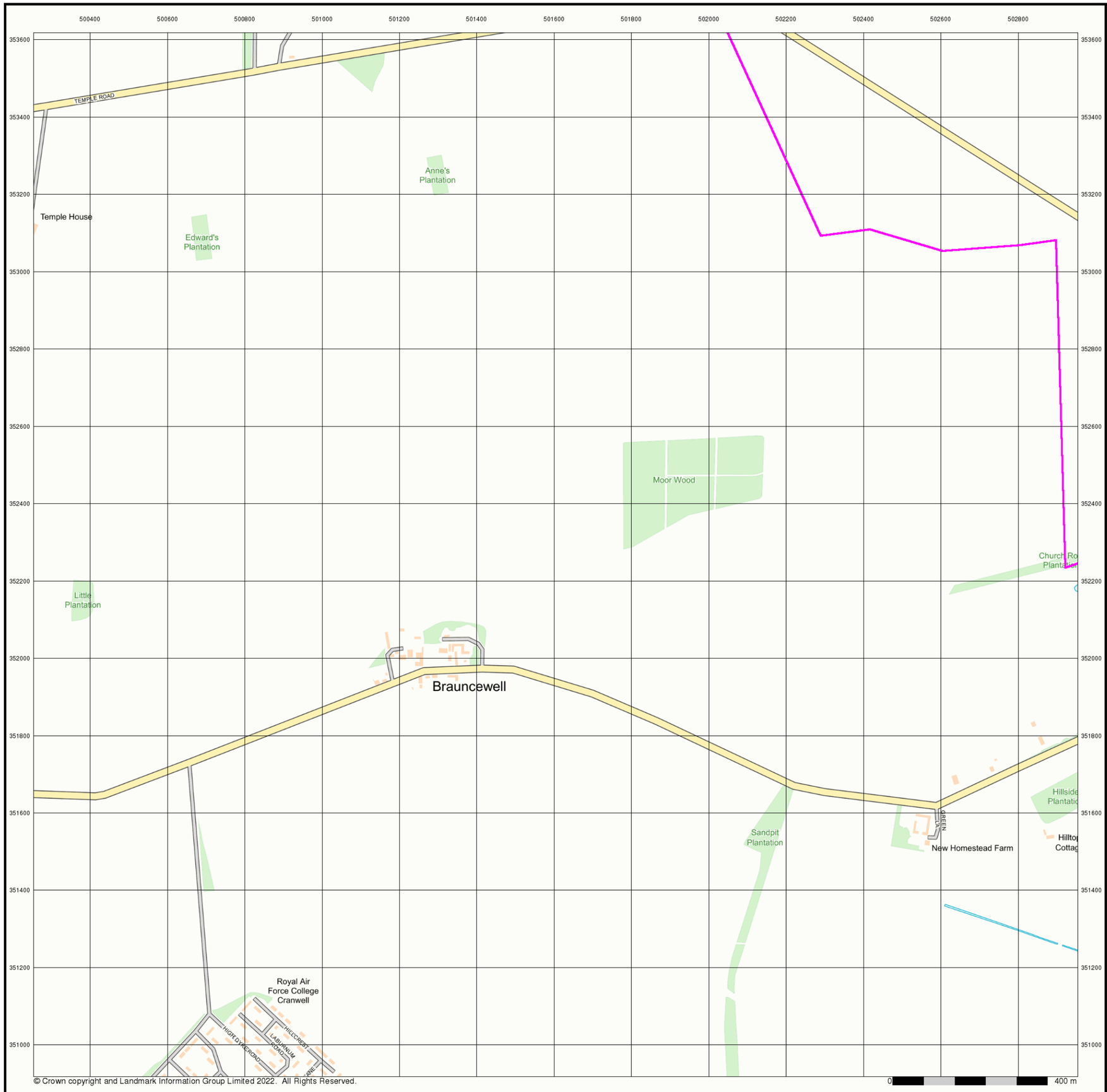
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Street View

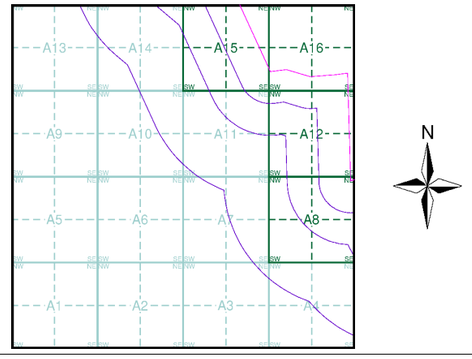
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice A



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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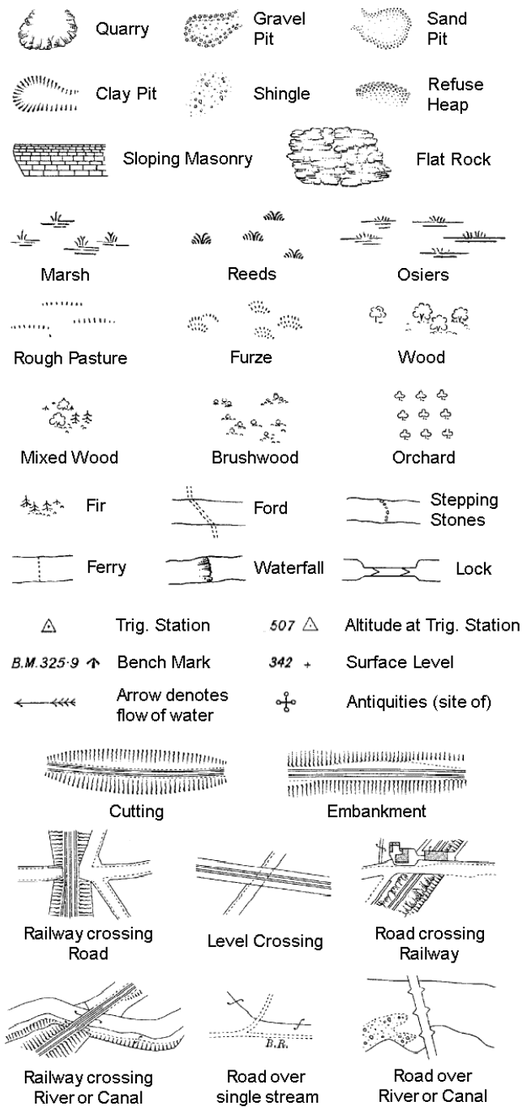
Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

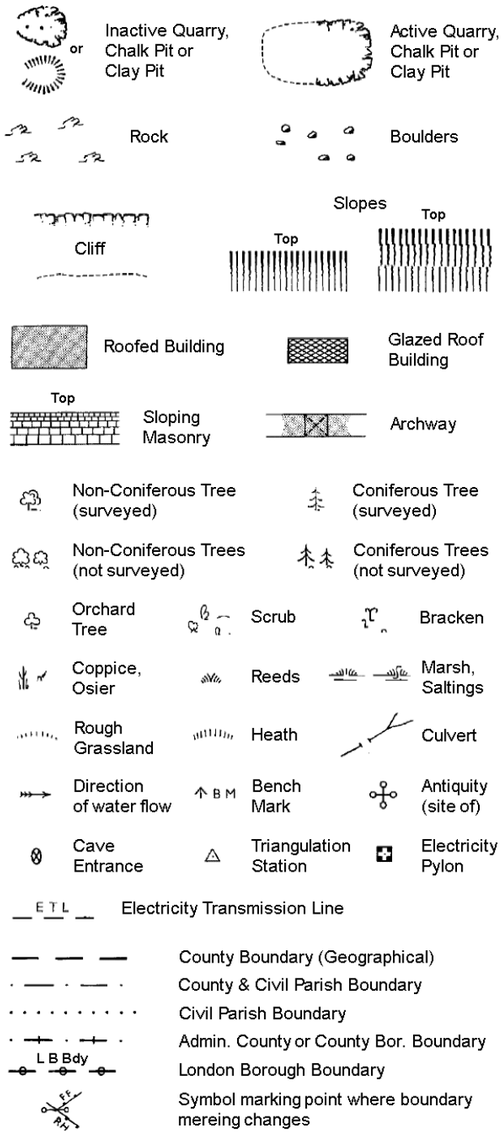
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

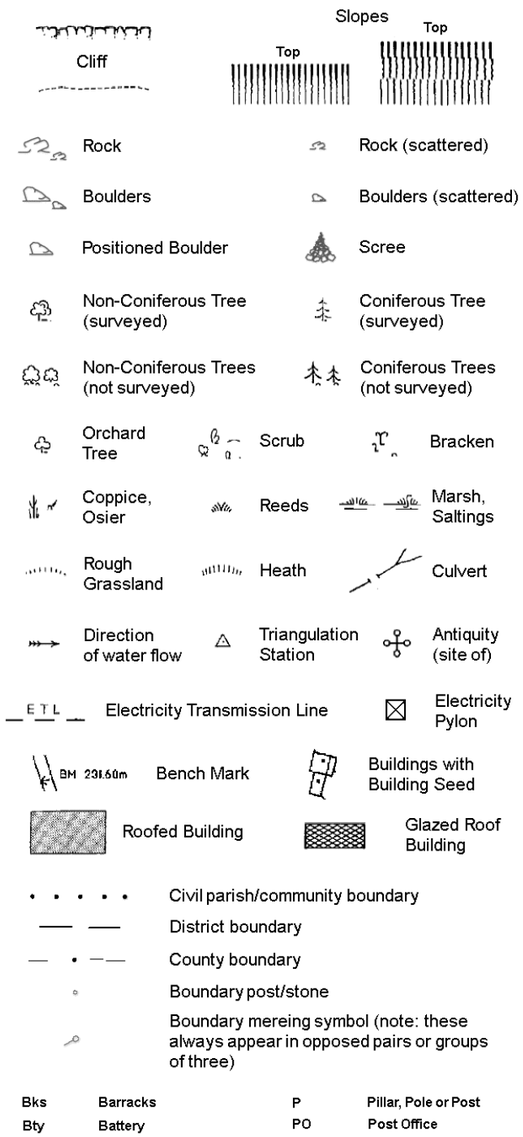
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

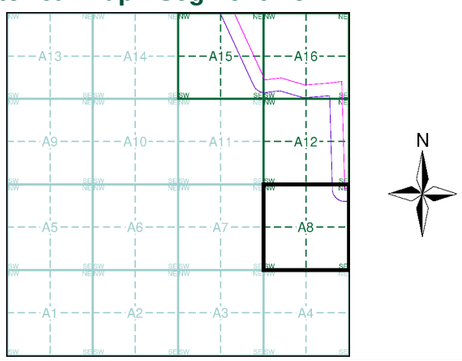
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979 - 1980	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment A8



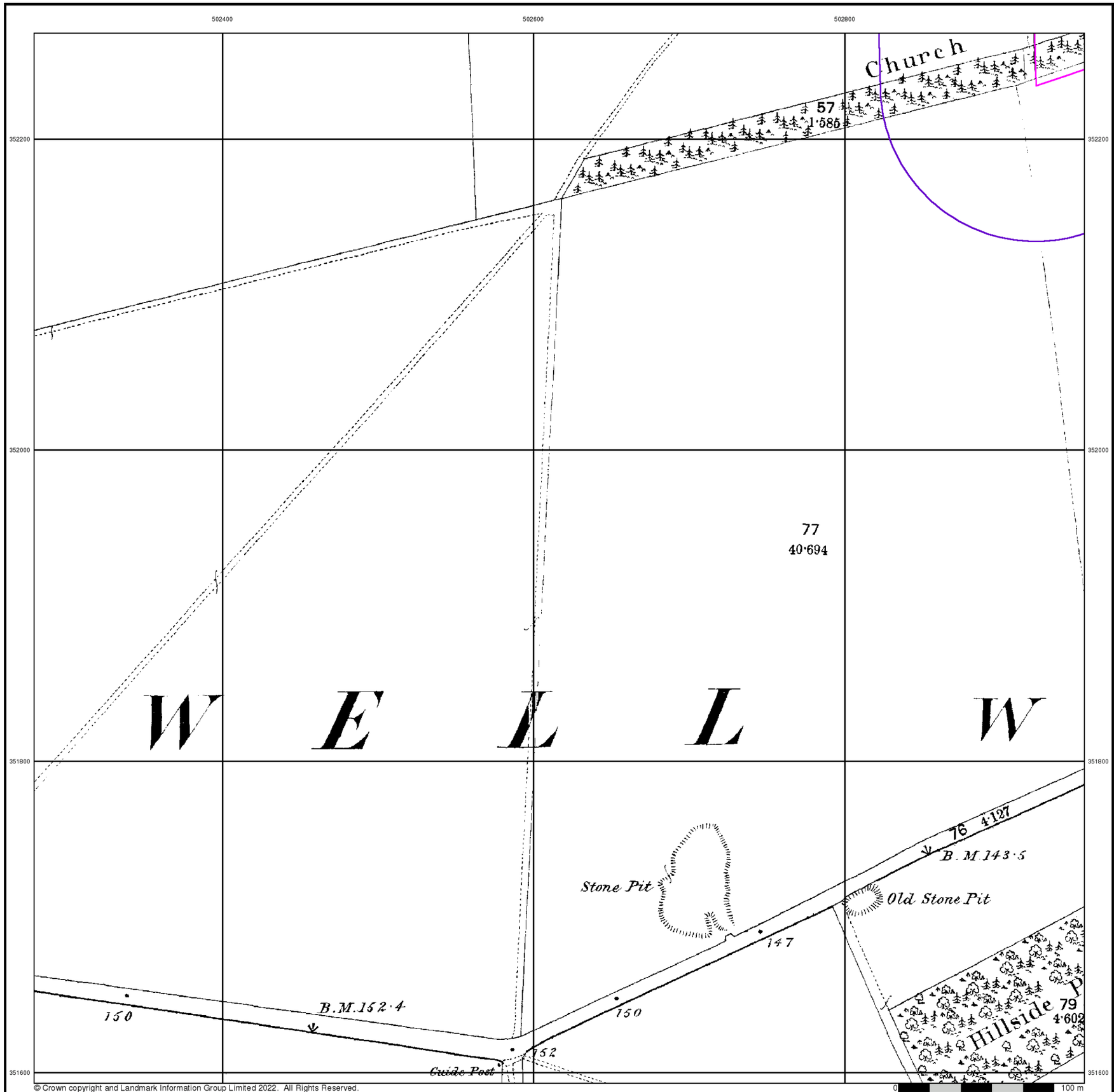
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 502200, 352660
Slice: A
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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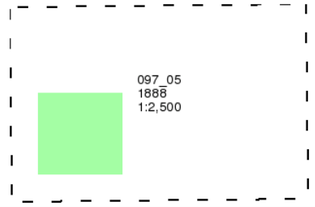
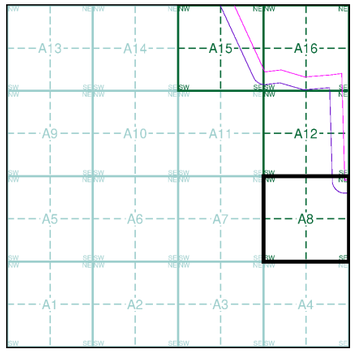


Historical Map - Segment A8



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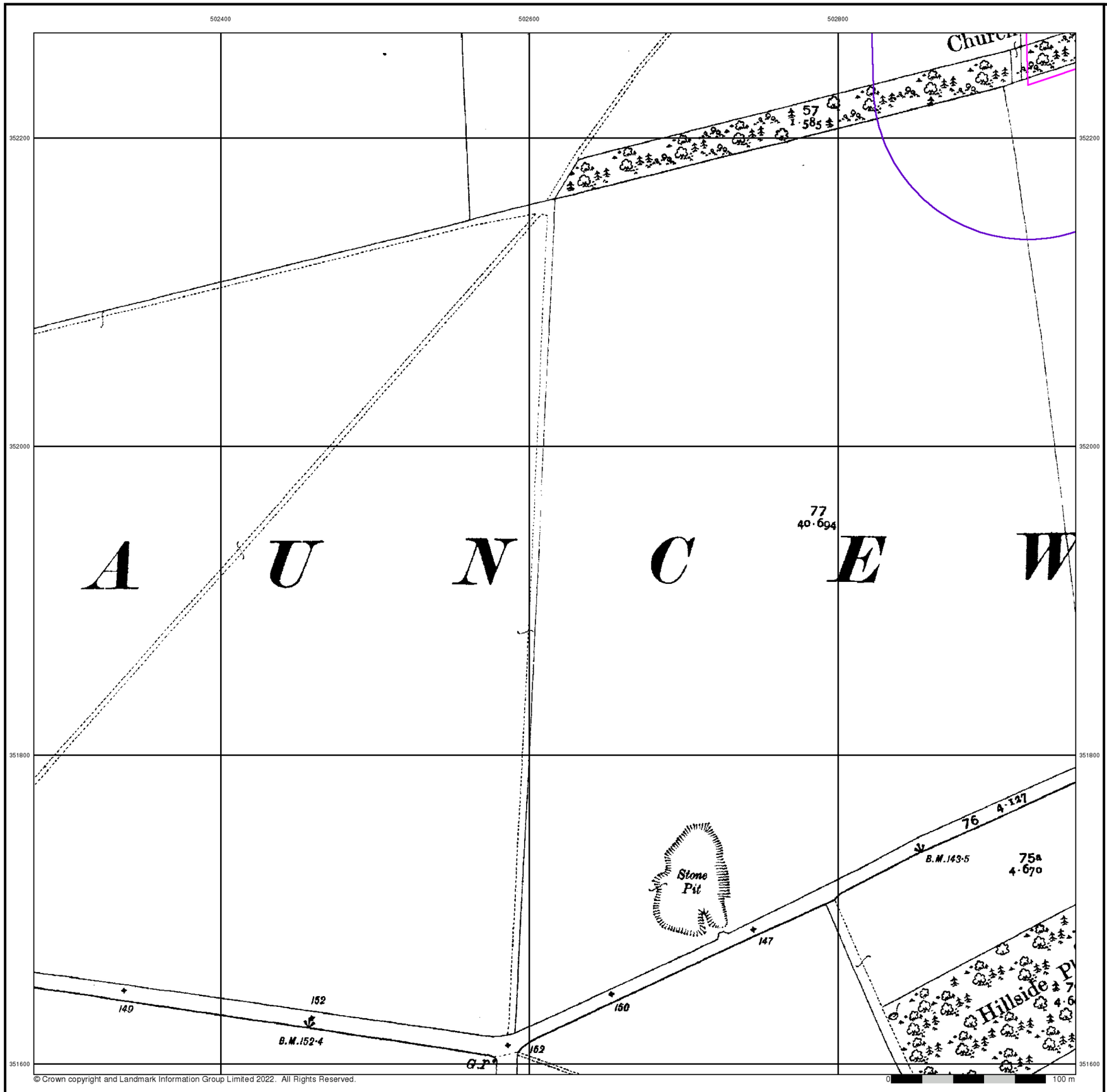

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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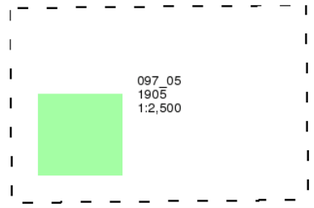
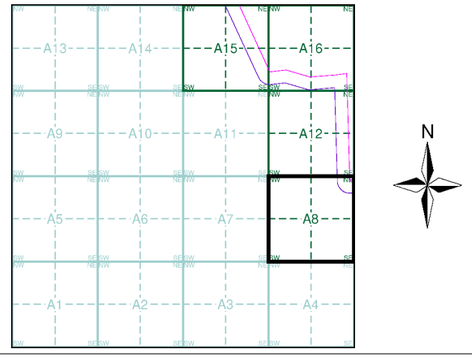


Historical Map - Segment A8



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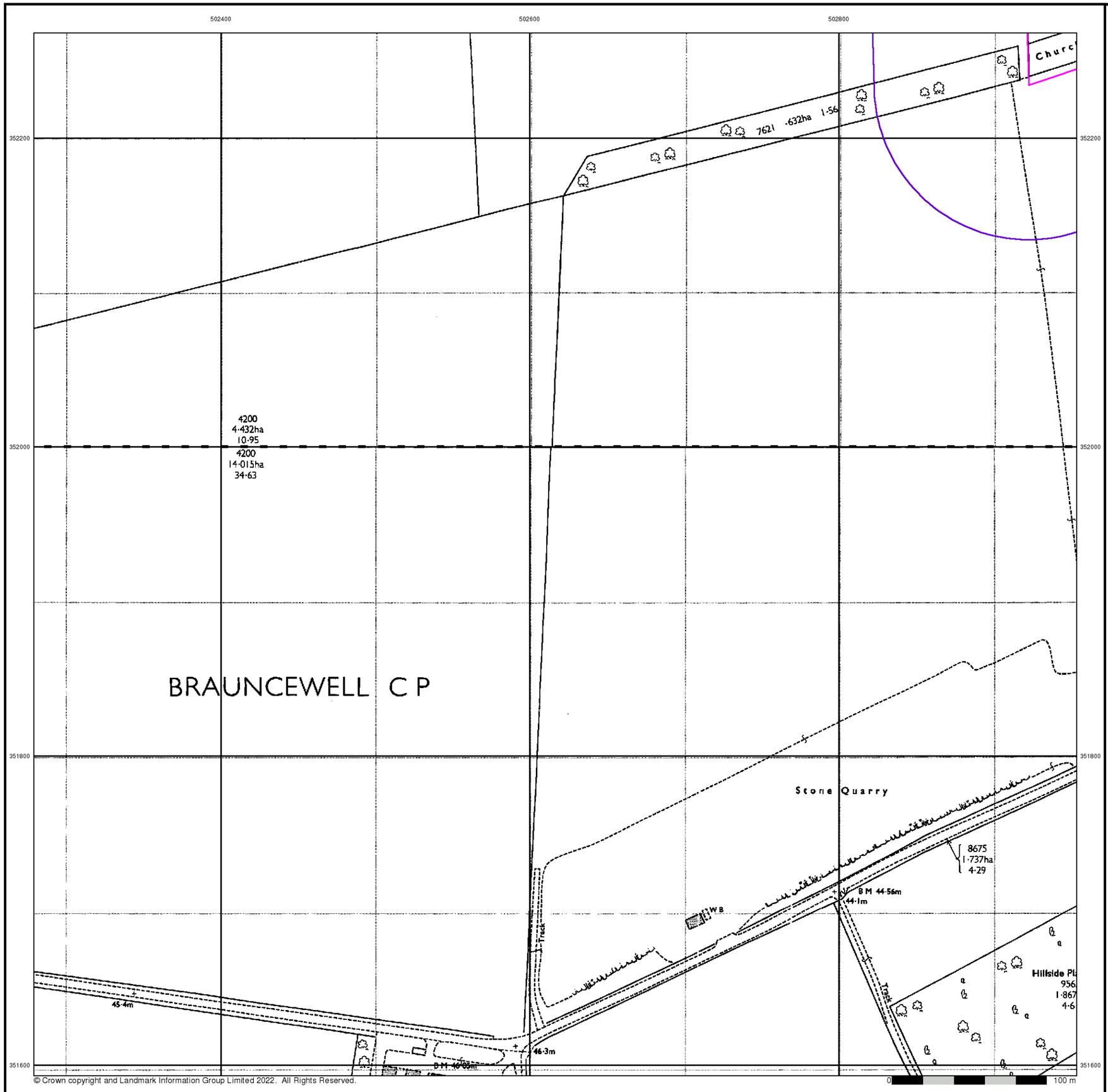

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RSK

Ordnance Survey Plan

Published 1979 - 1980

Source map scale - 1:2,500

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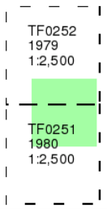
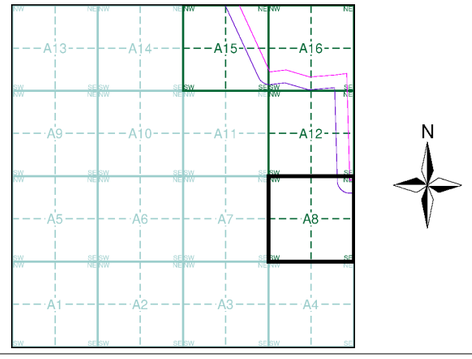


Historical Map - Segment A8



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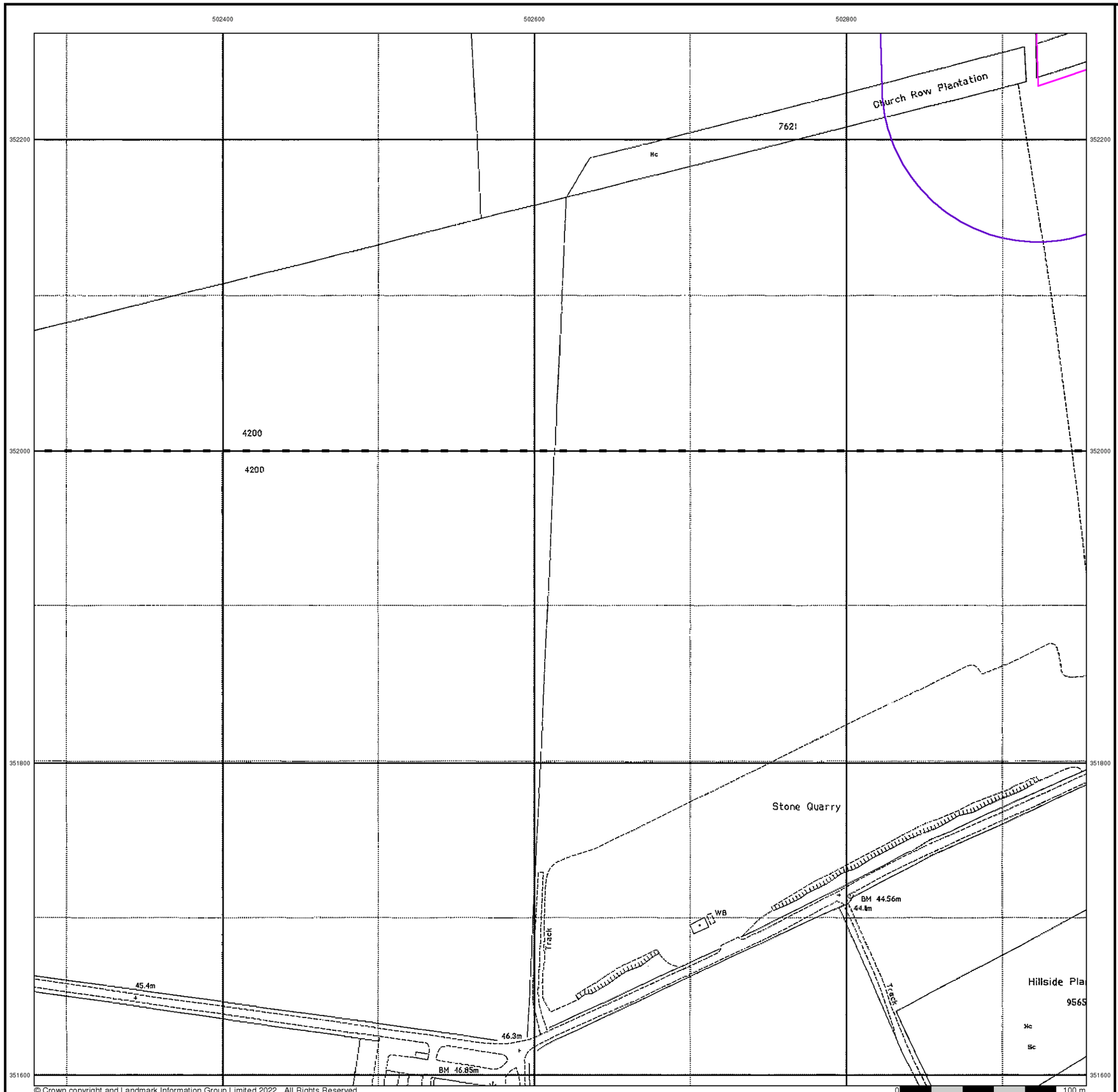

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RSK

Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

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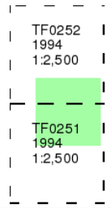
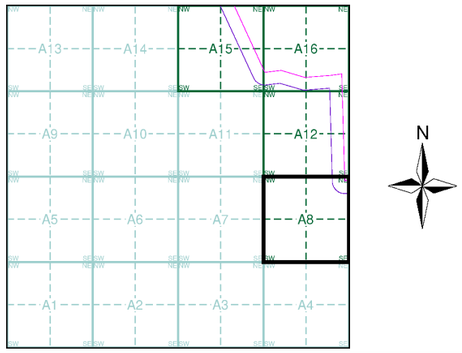


Historical Map - Segment A8



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Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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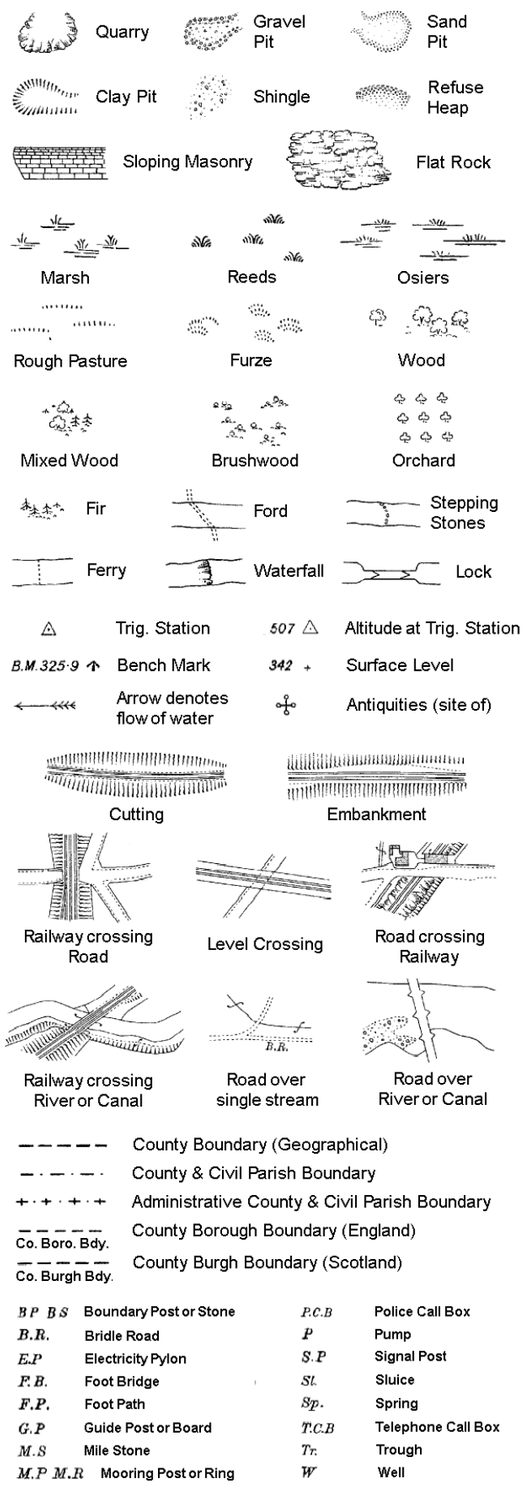
Web: www.envirocheck.co.uk

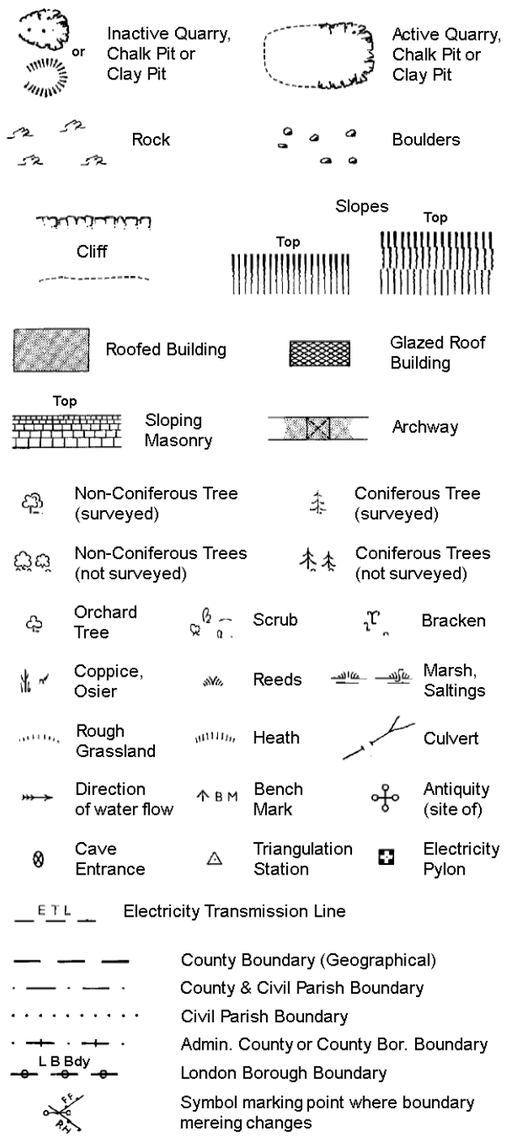
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



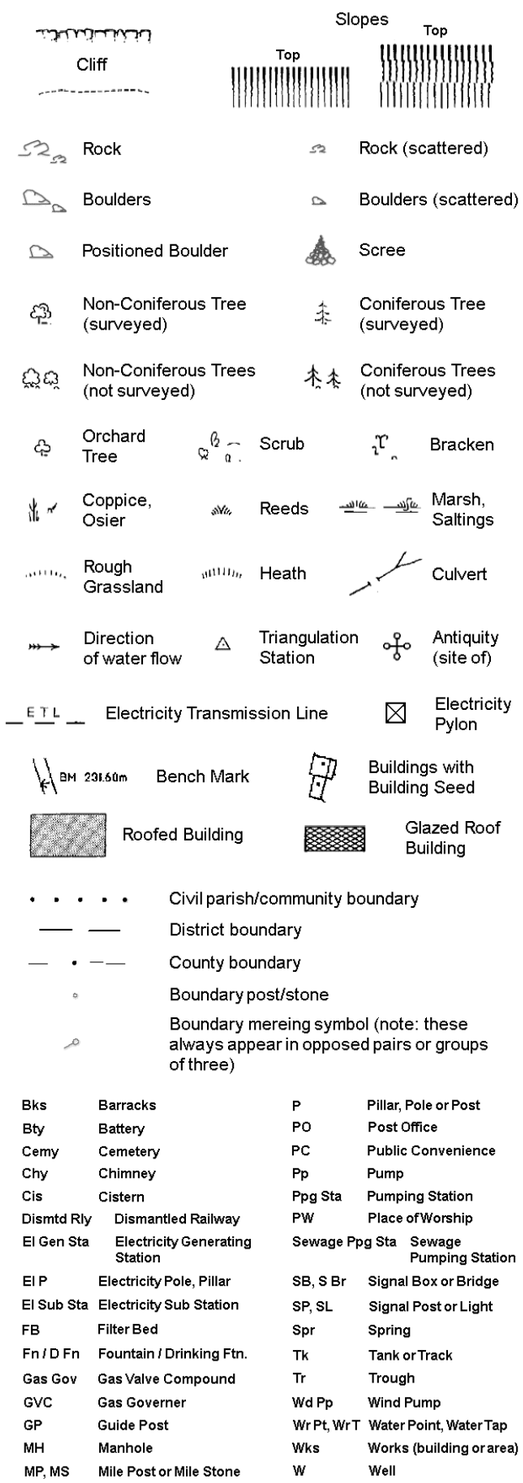
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



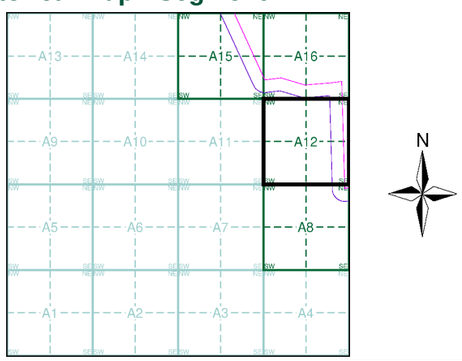
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment A12



Order Details

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Customer Ref: P02130089
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Slice: A
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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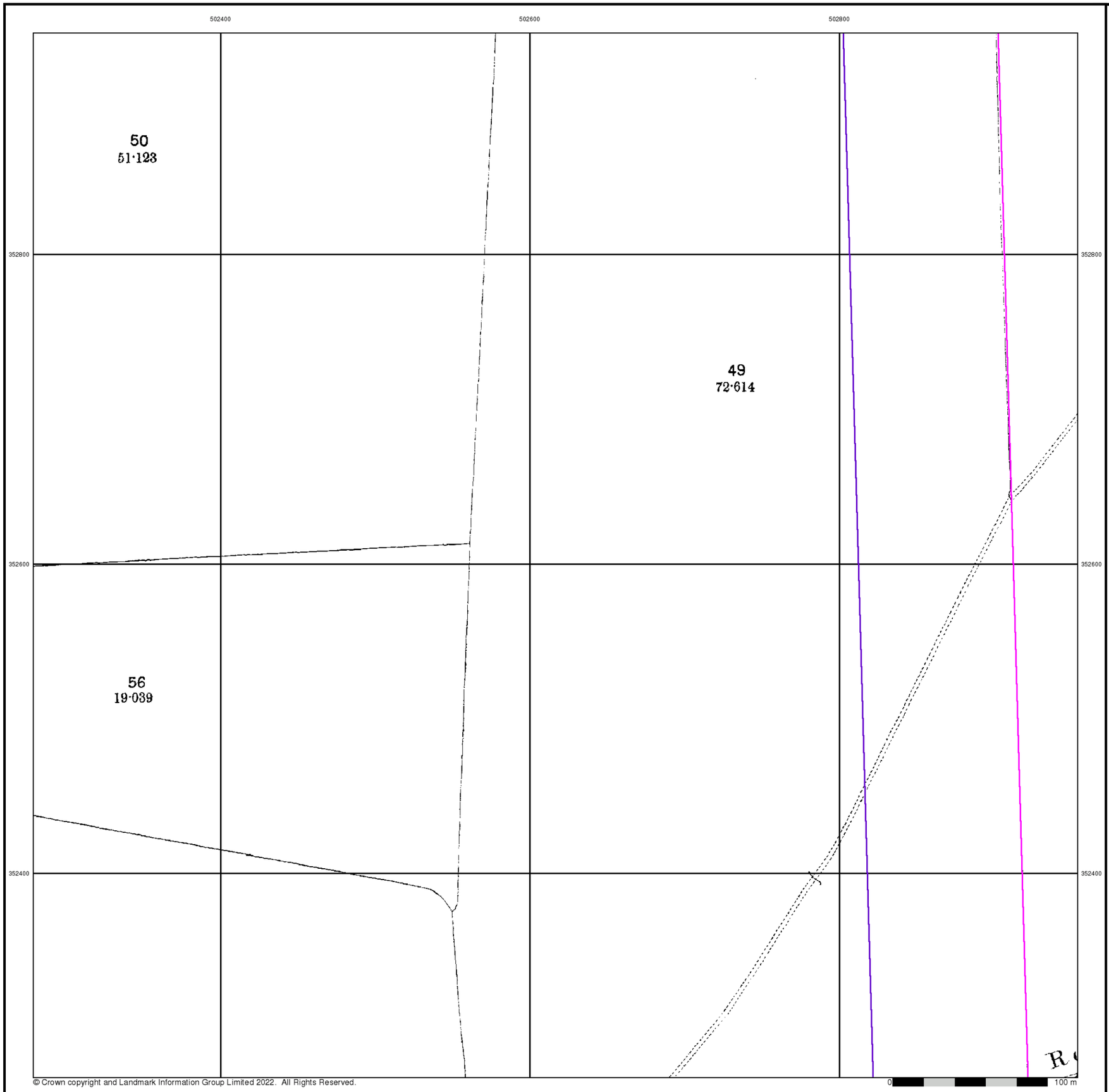

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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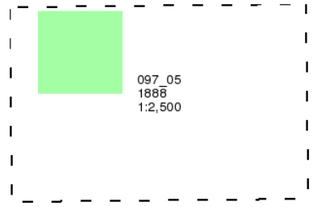
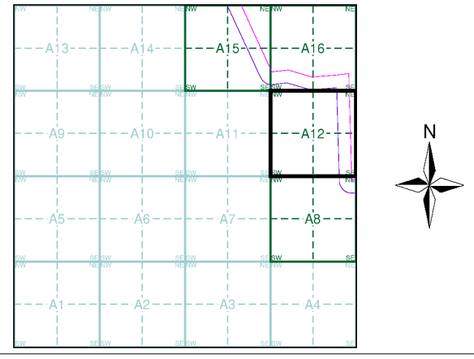


Historical Map - Segment A12



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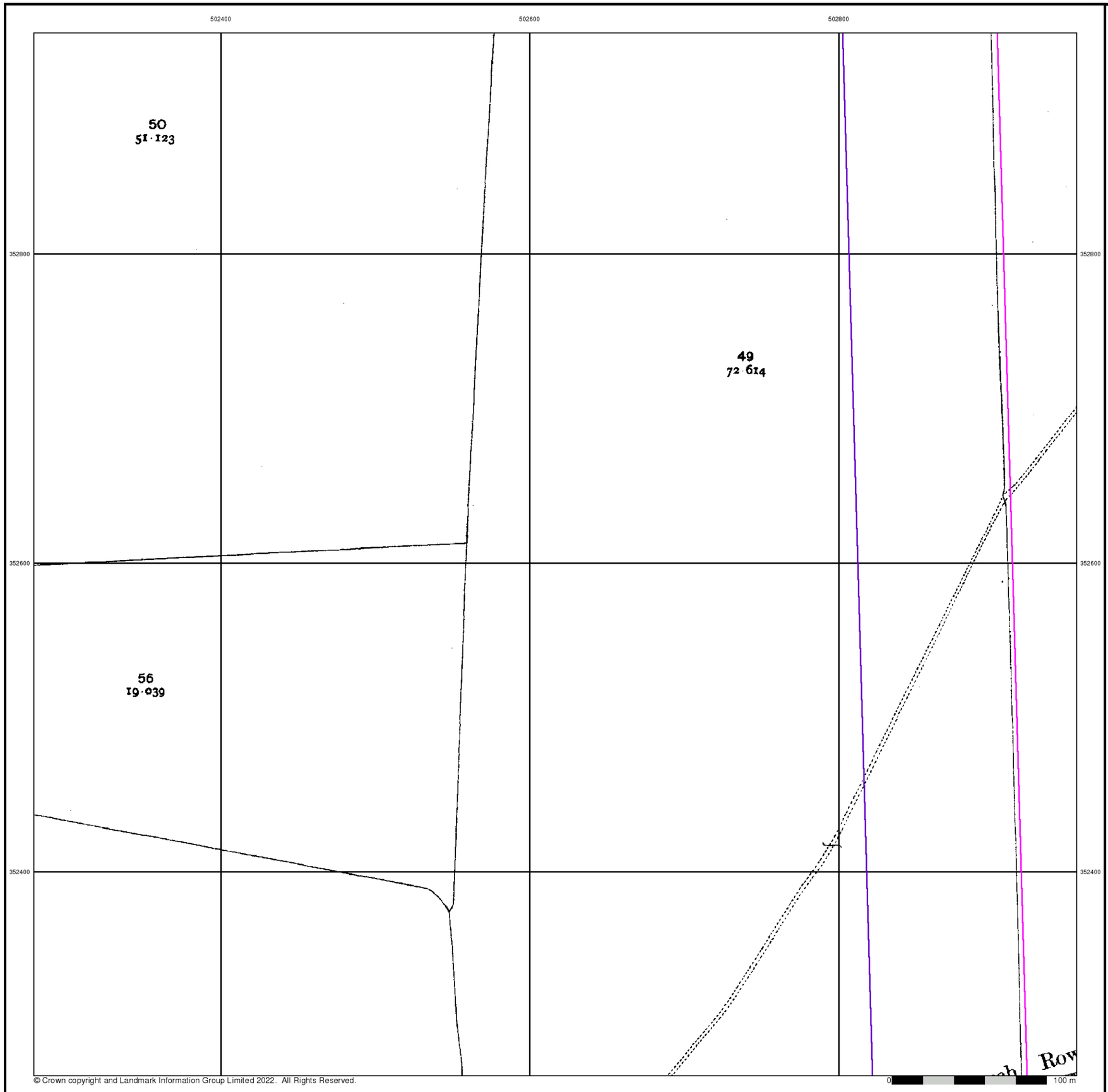

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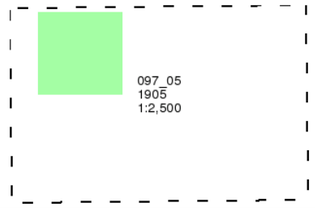
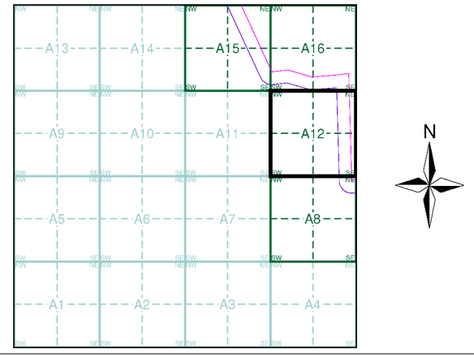


Historical Map - Segment A12



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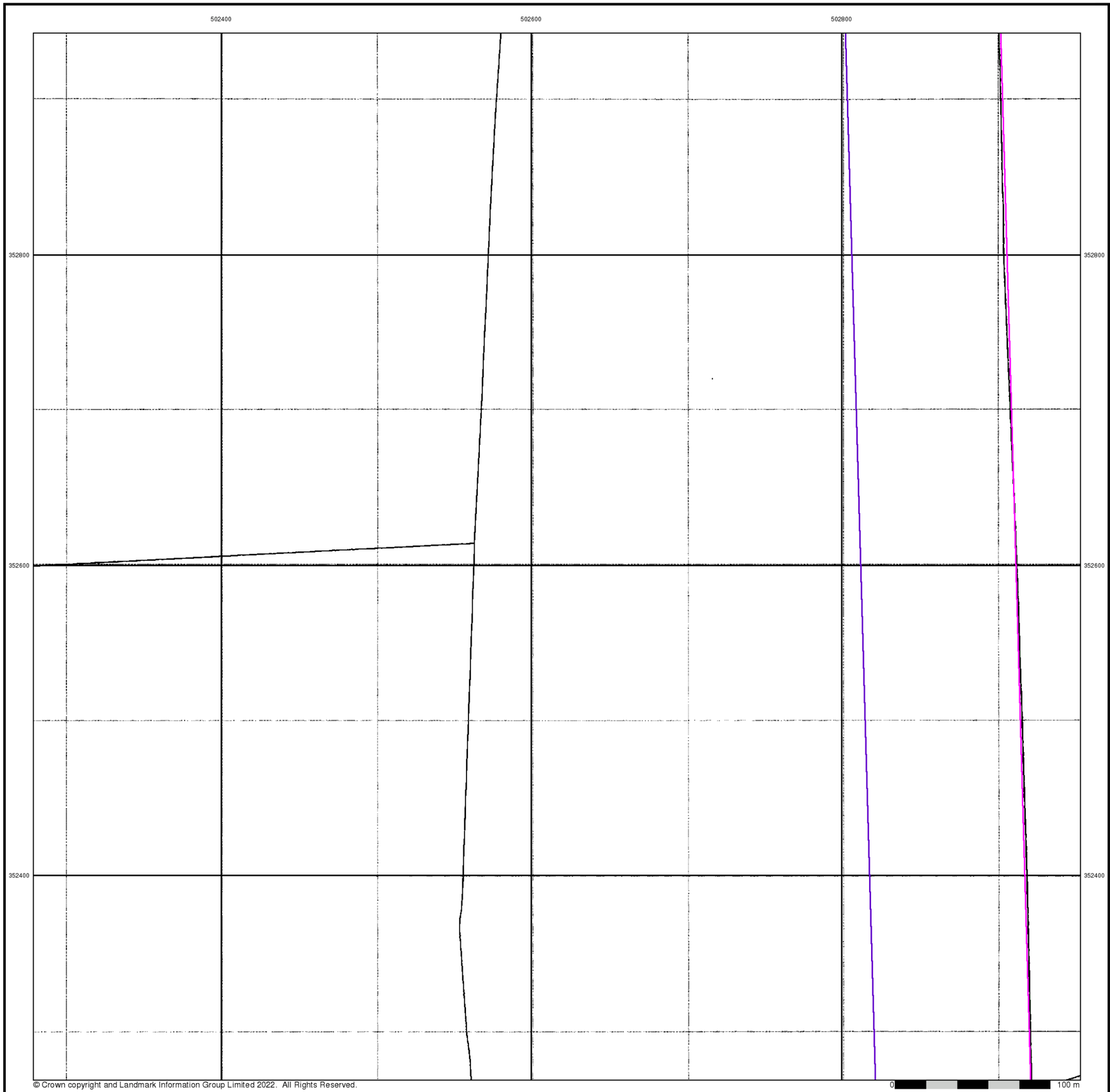

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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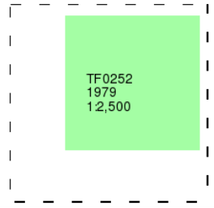
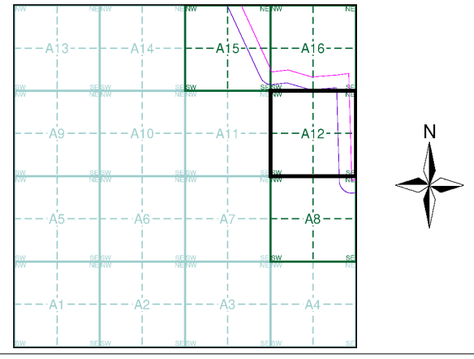


Historical Map - Segment A12



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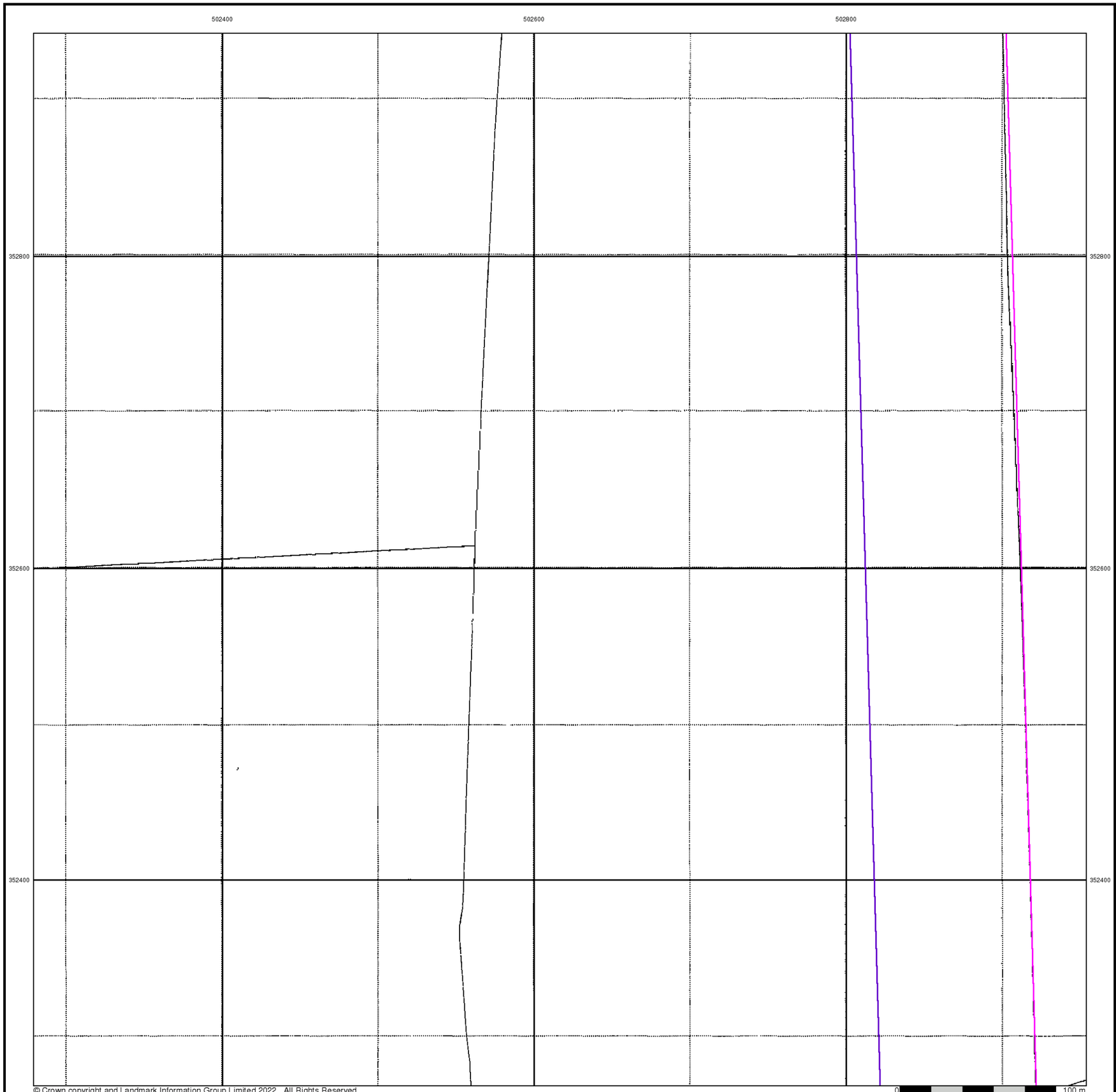

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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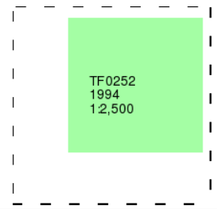
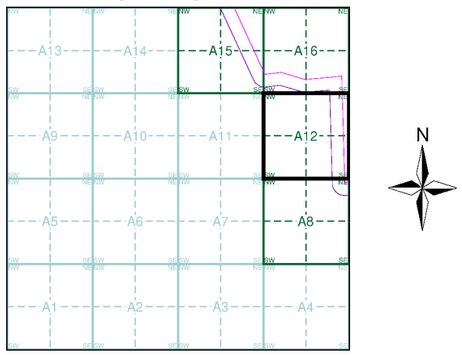


Historical Map - Segment A12



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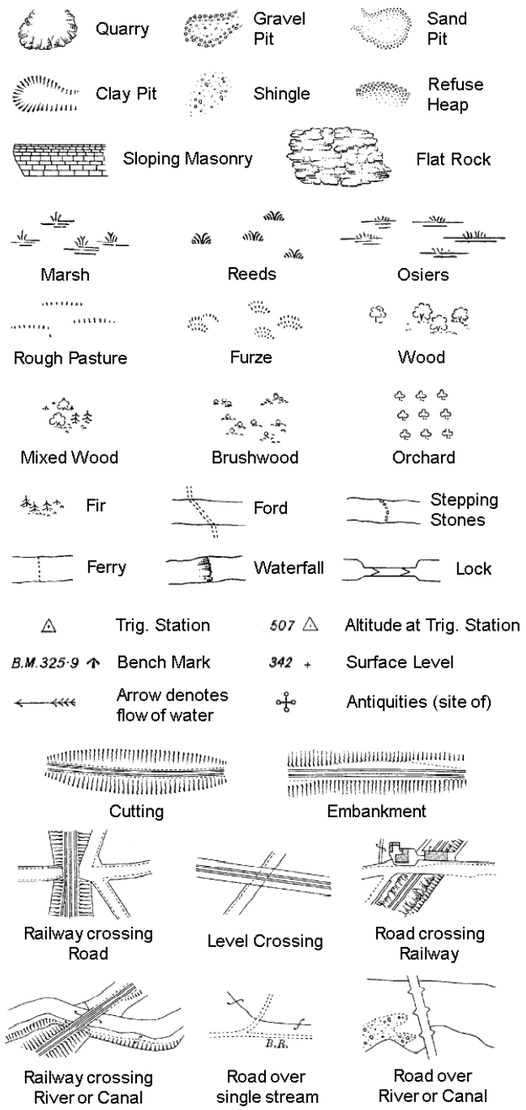
Historical Mapping Legends

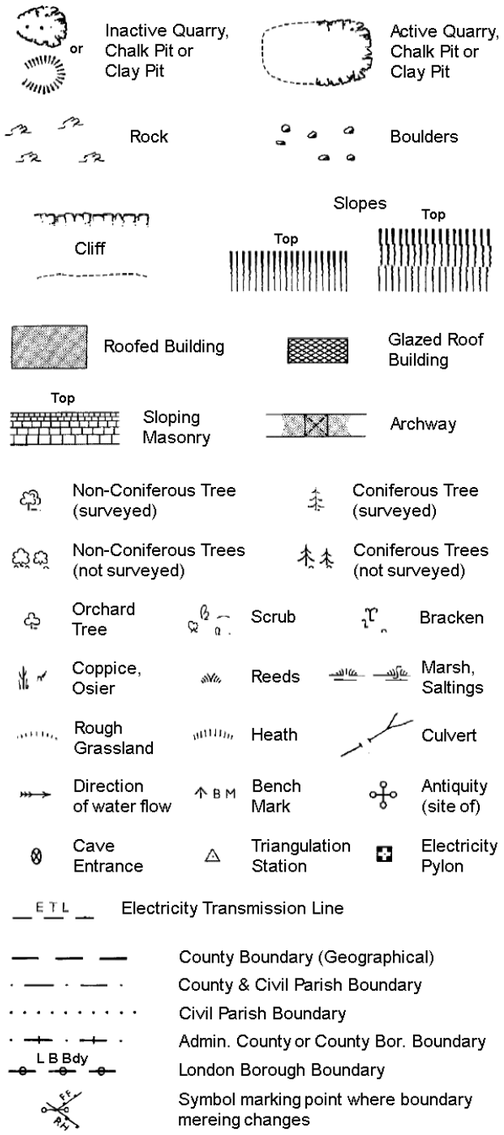
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

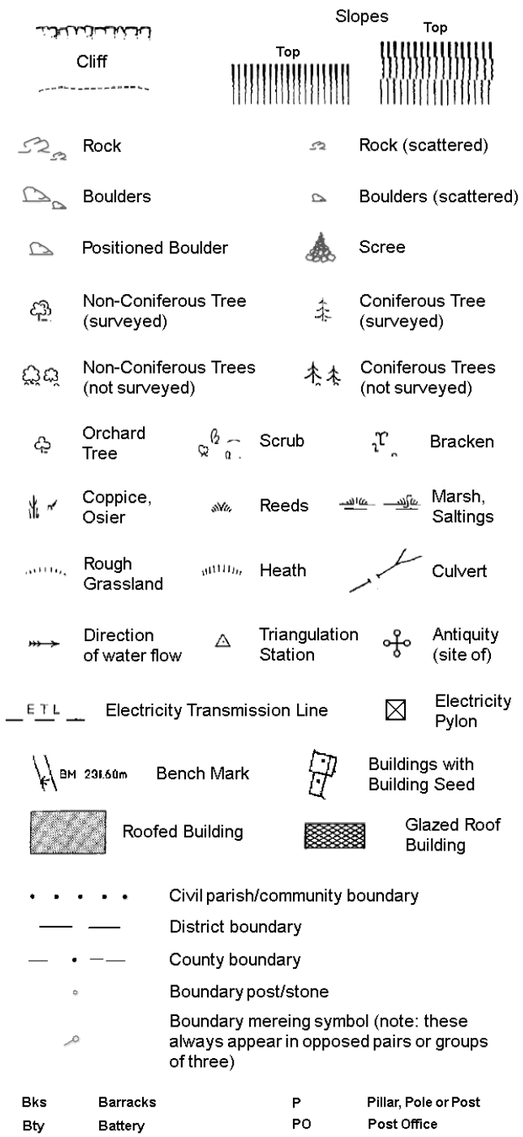
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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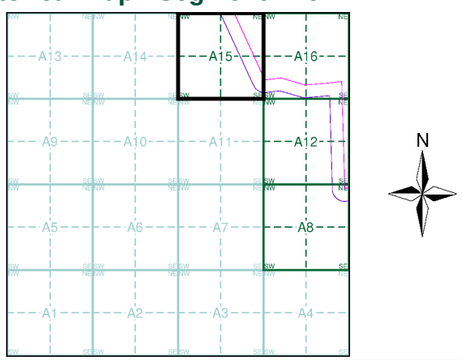
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1887 - 1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979 - 1980	4
Additional SIMs	1:2,500	1980	5
Large-Scale National Grid Data	1:2,500	1994	6

Historical Map - Segment A15



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 502200, 352660
Slice: A
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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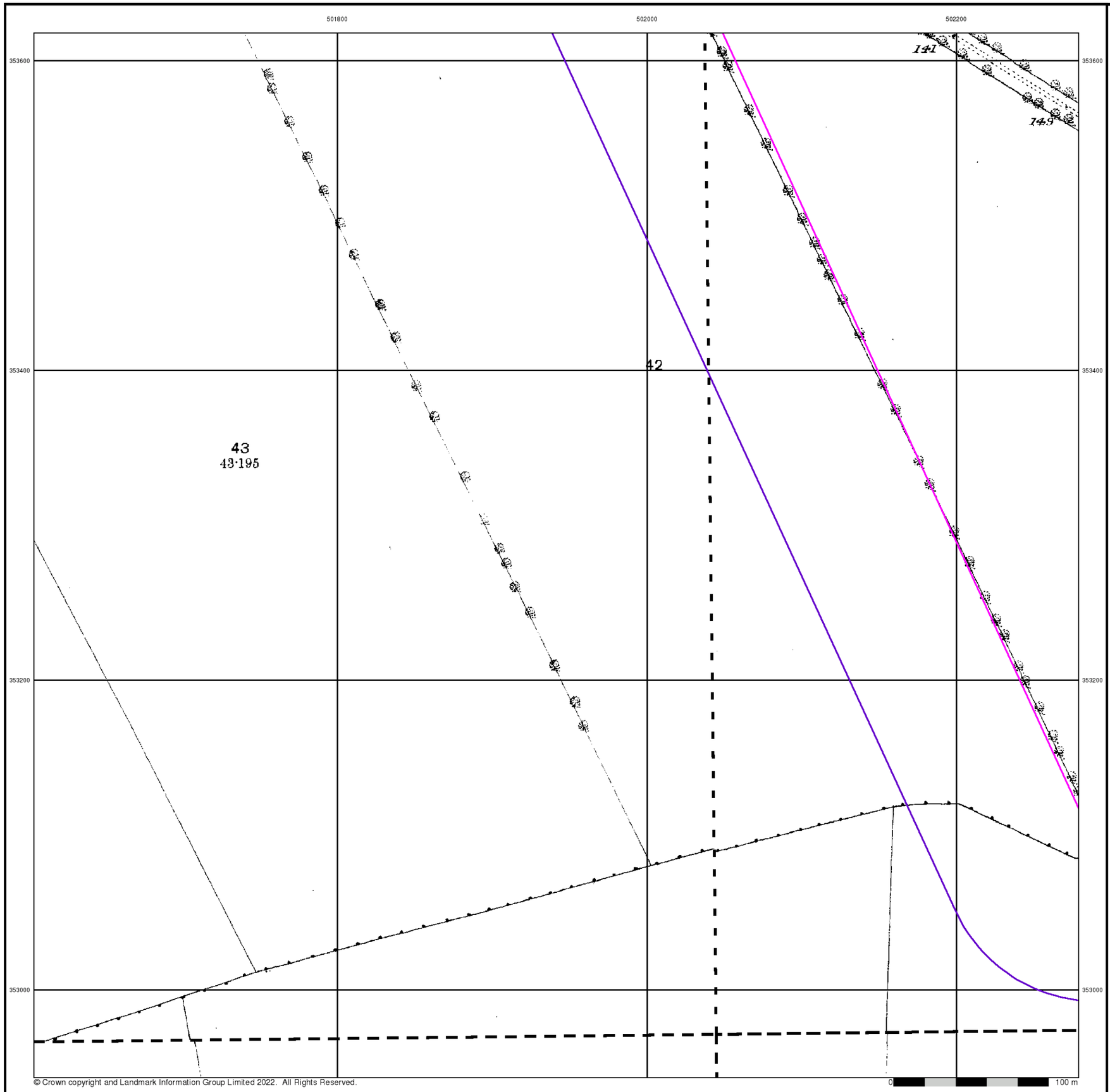

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RSK

Lincolnshire

Published 1887 - 1888

Source map scale - 1:2,500

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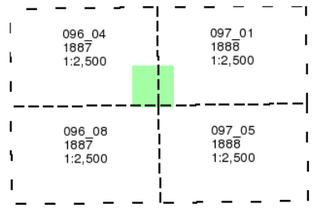
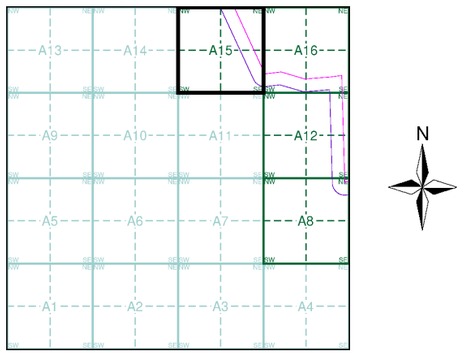
Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

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Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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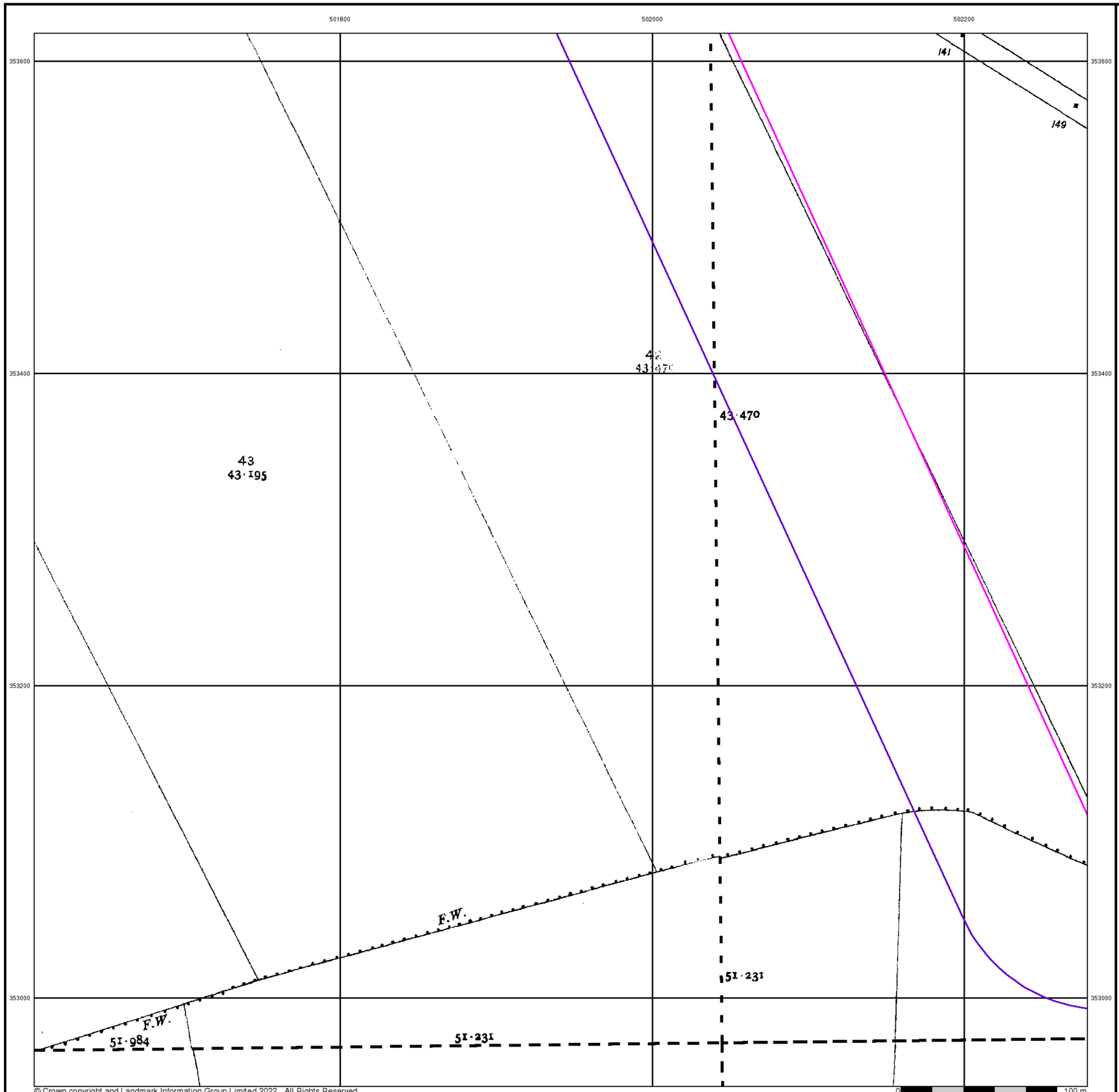

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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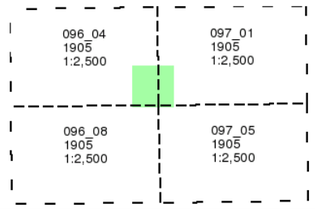
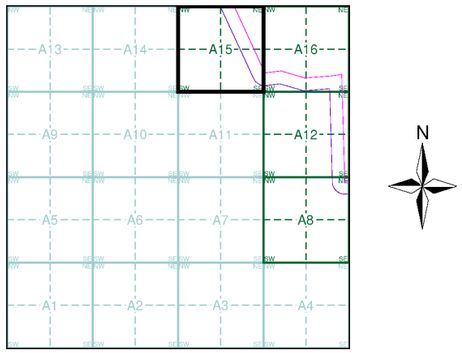


Historical Map - Segment A15



Order Details

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National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	100

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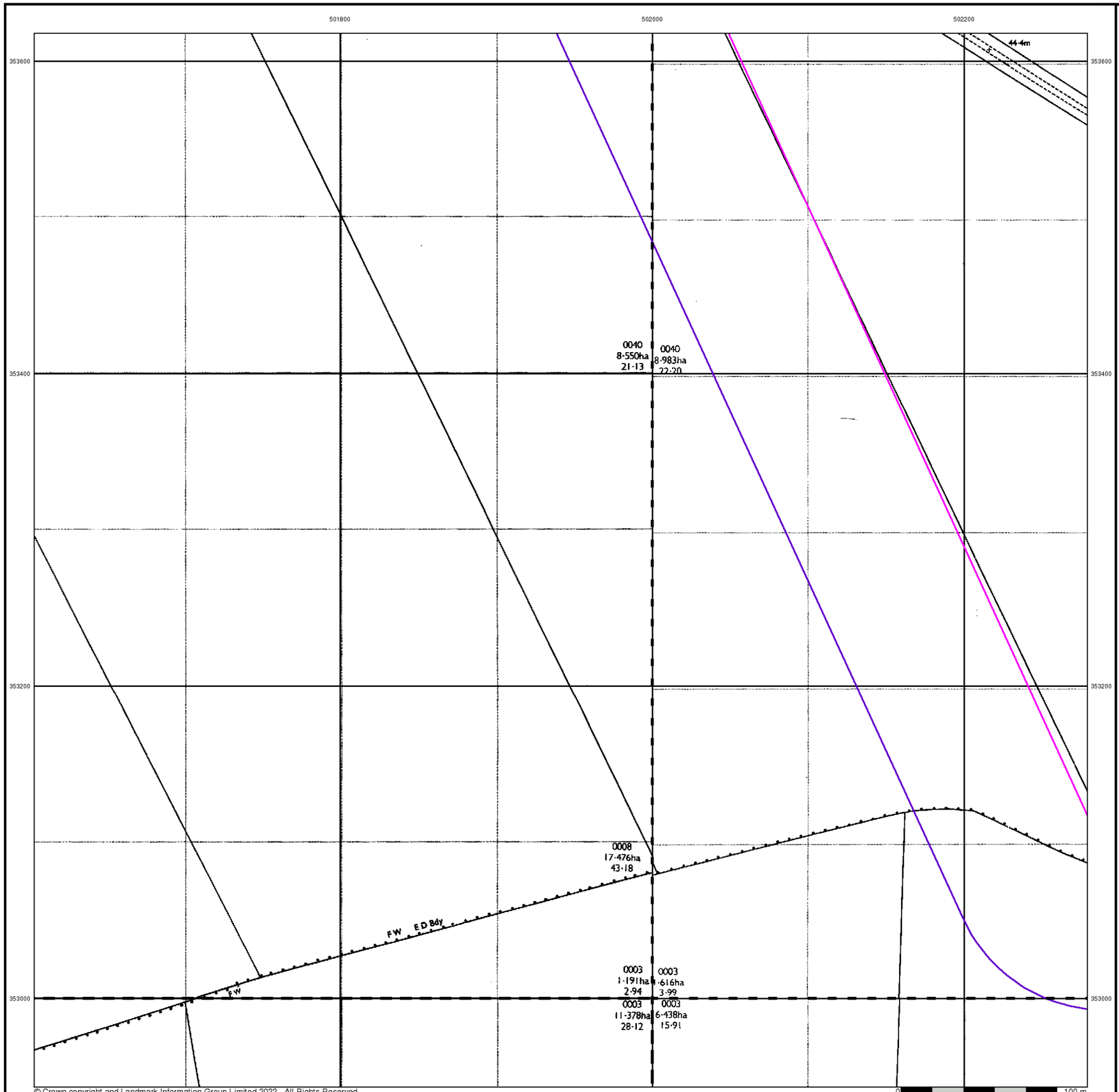

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Ordnance Survey Plan

Published 1979 - 1980

Source map scale - 1:2,500

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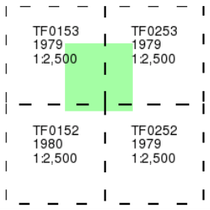
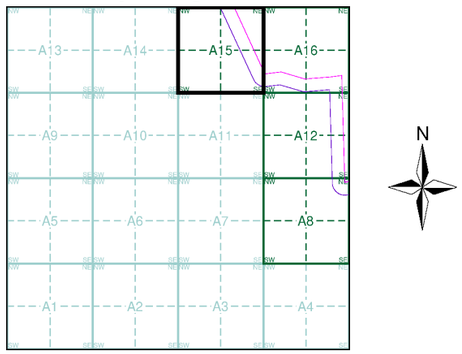


Historical Map - Segment A15



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Site Area (Ha):	1774.17
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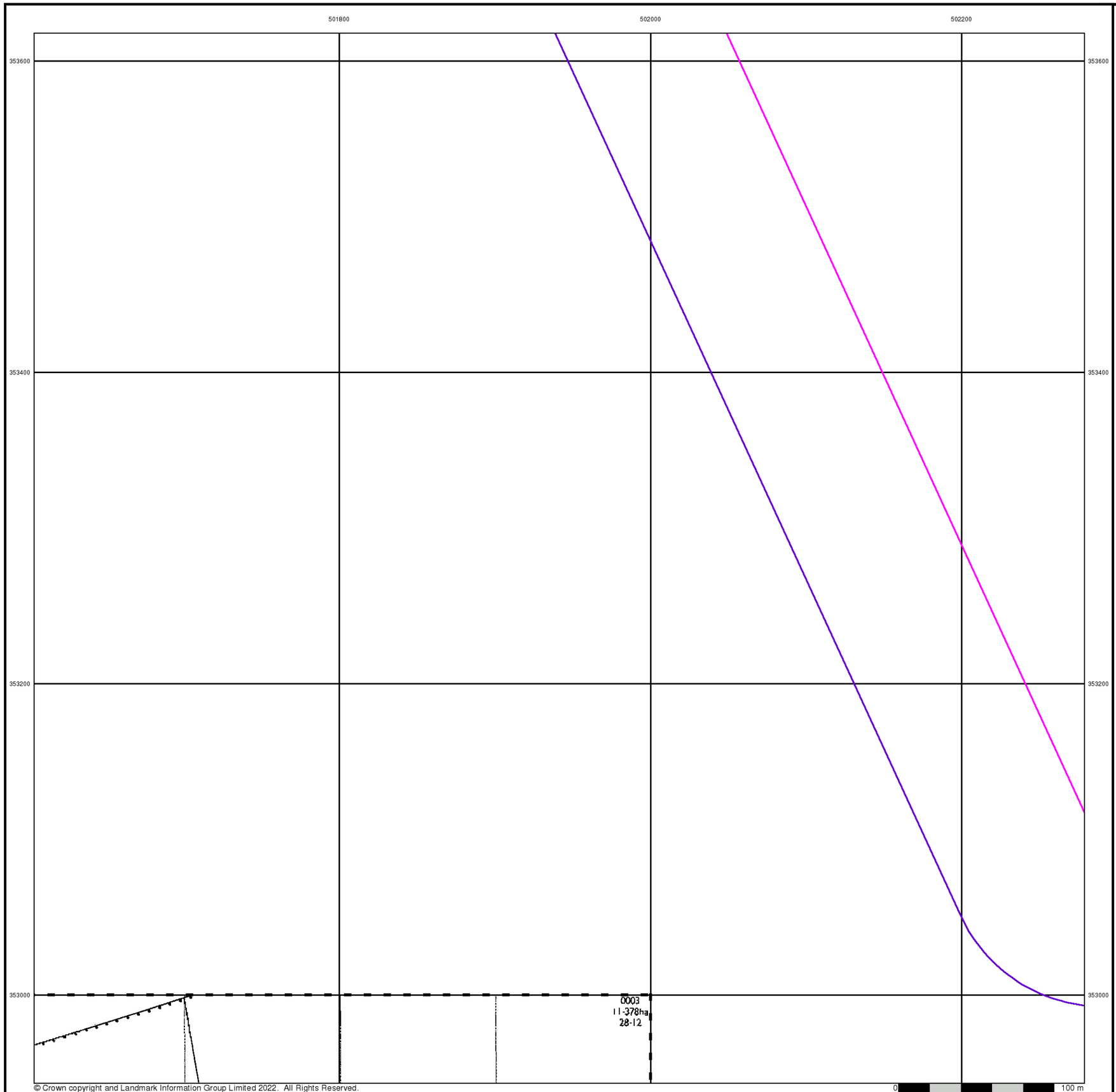

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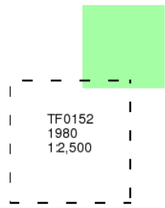
Additional SIMs

Published 1980

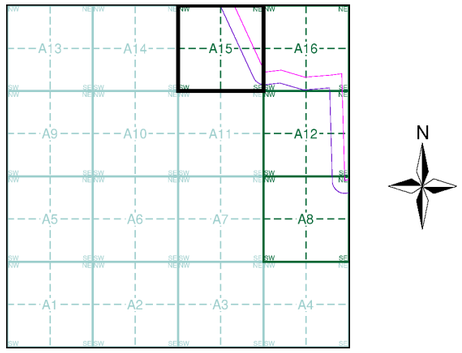
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

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Customer Ref:	P02130089
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Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	100

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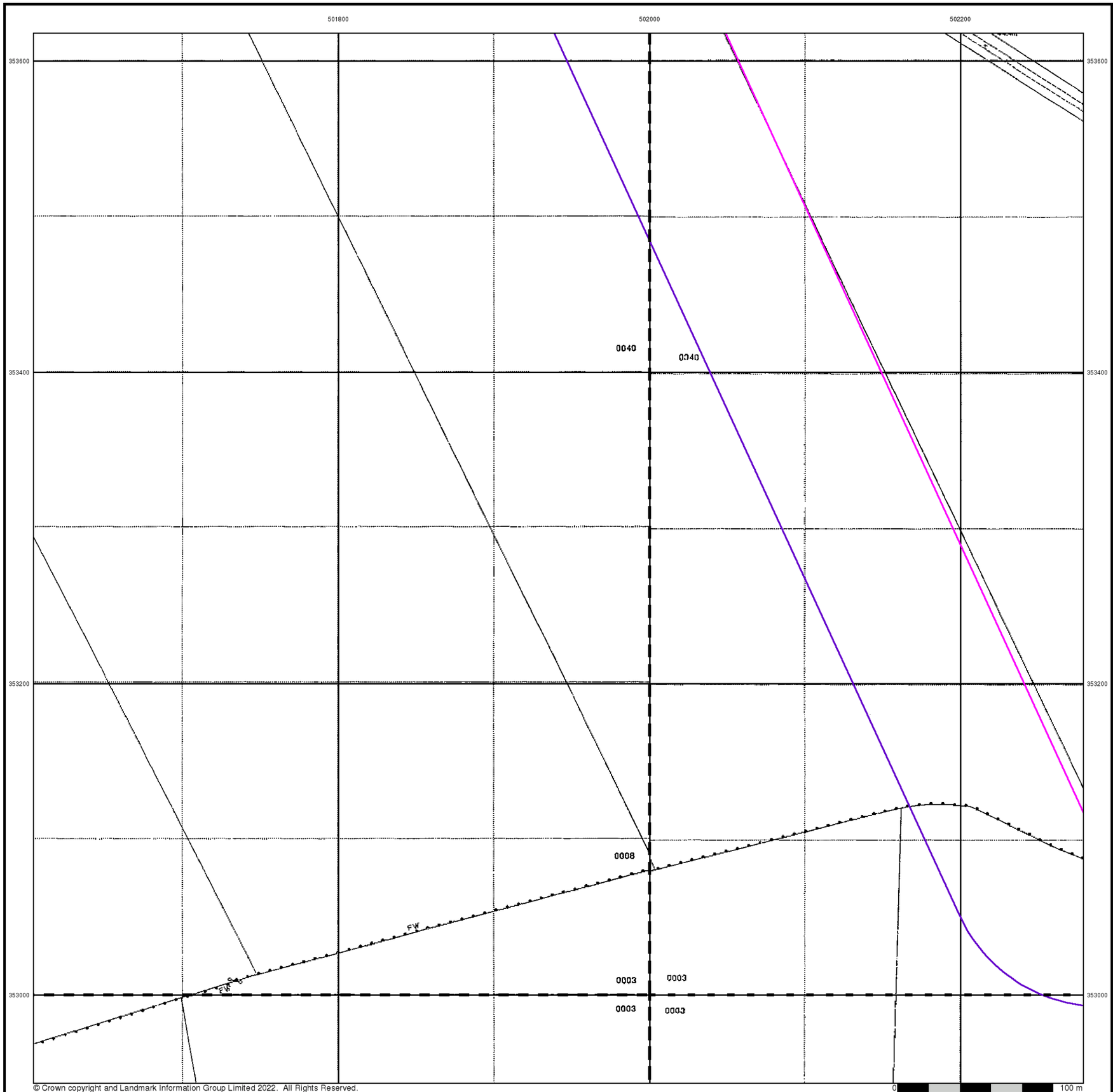

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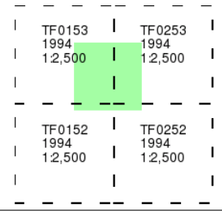
Large-Scale National Grid Data

Published 1994

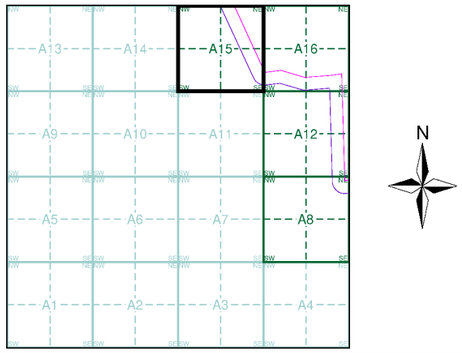
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

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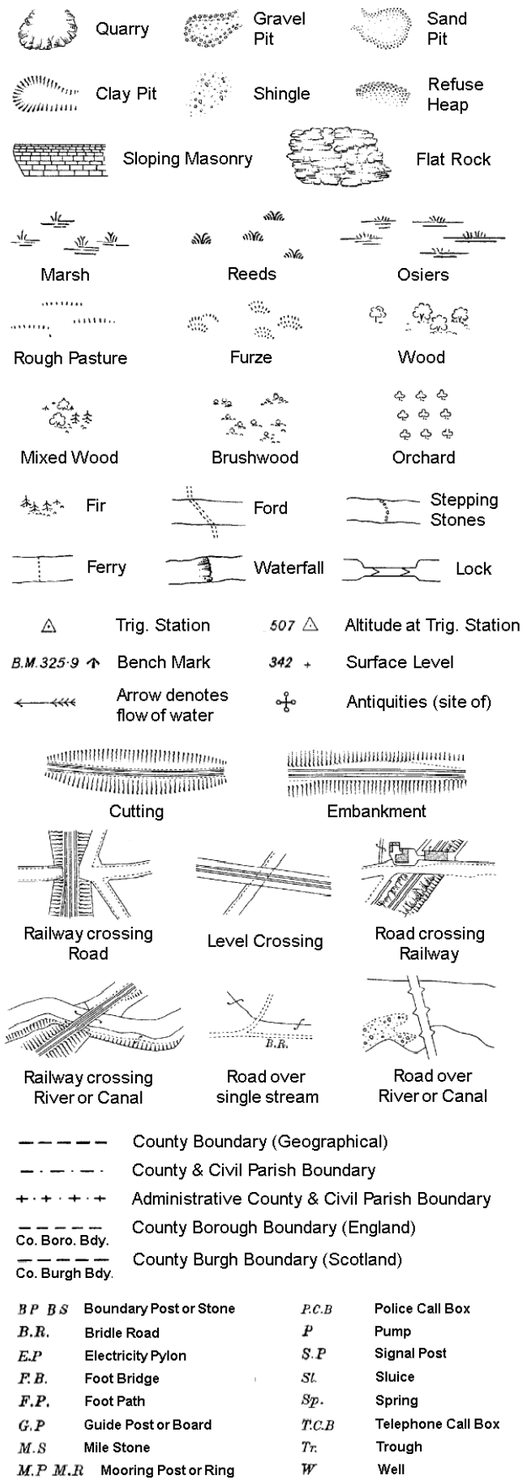
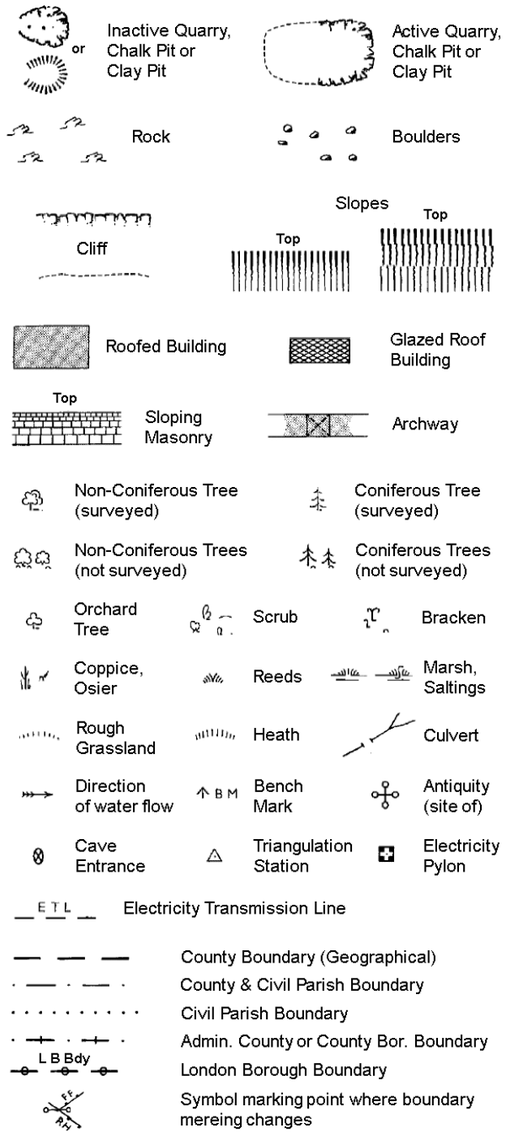
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



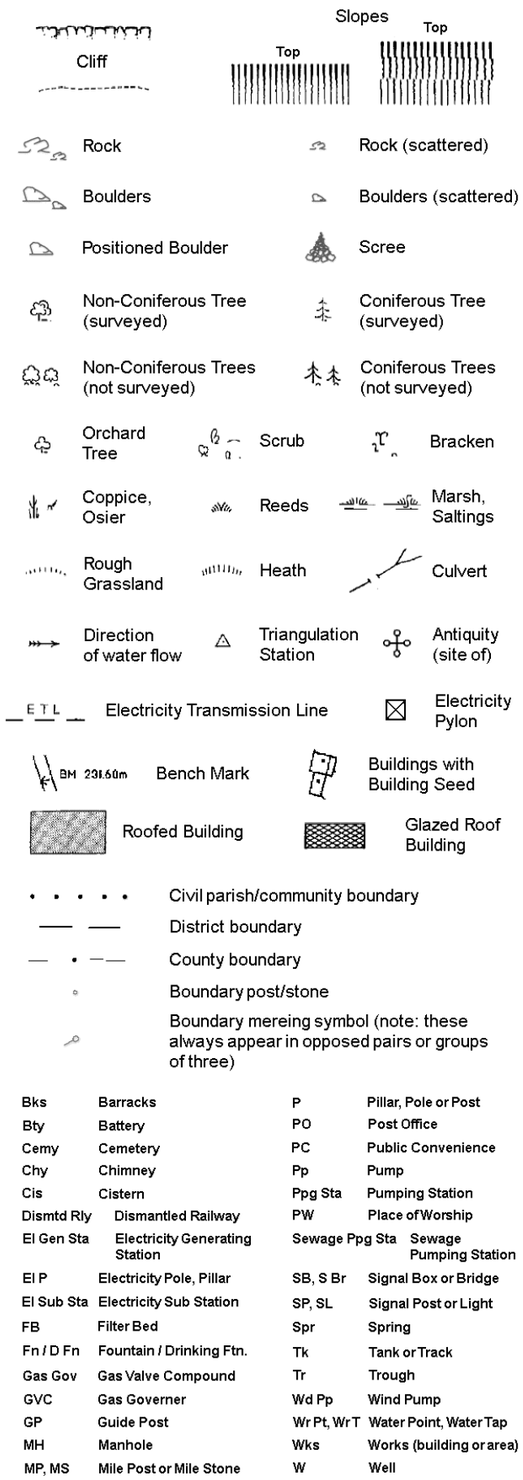
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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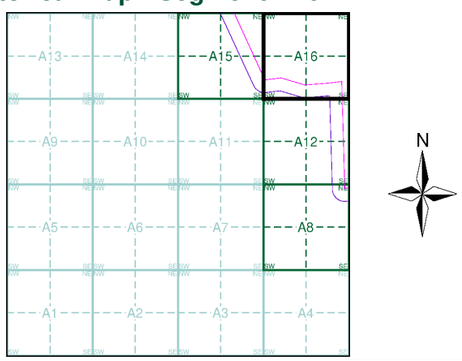
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment A16



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 502200, 352660
Slice: A
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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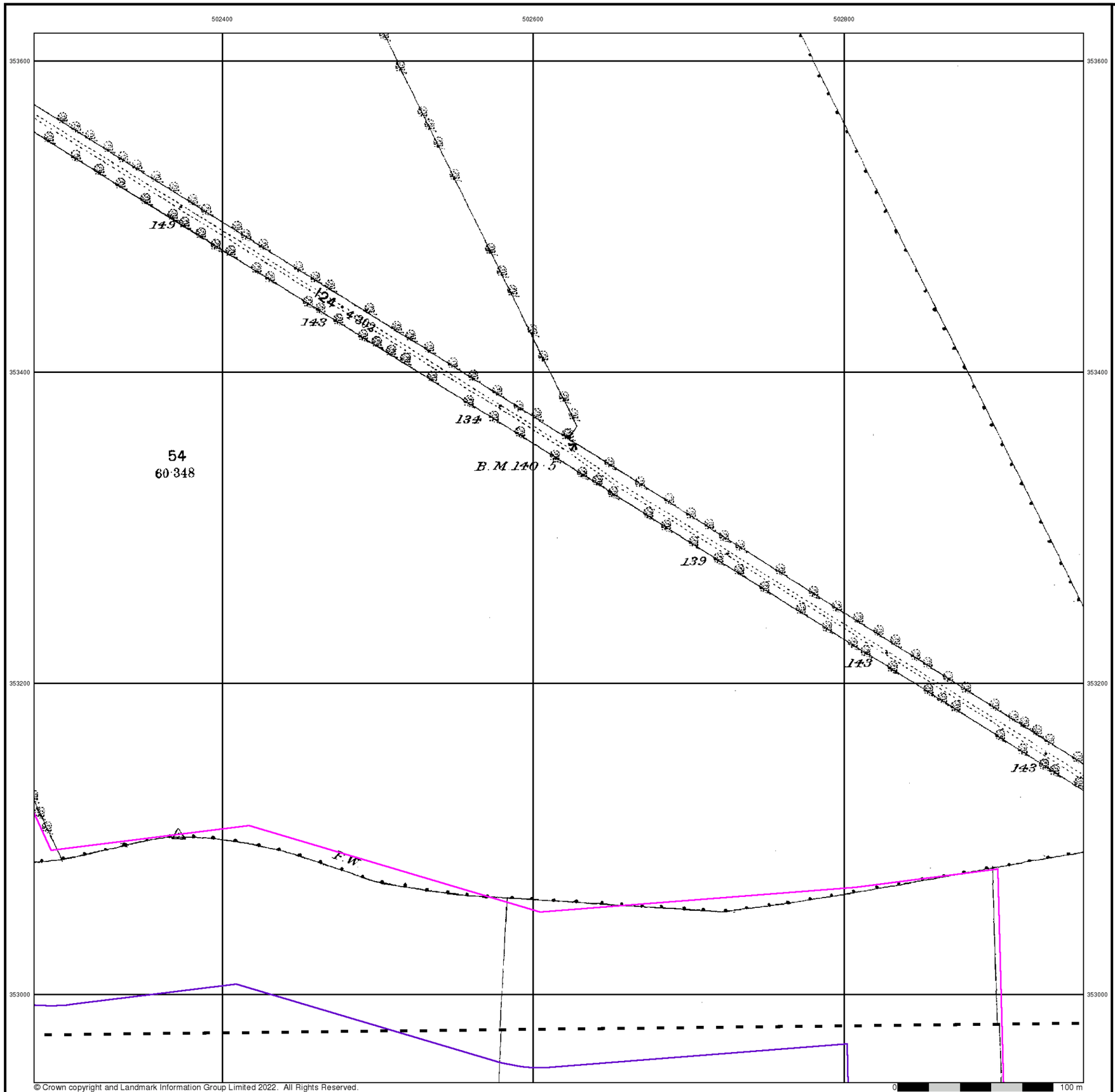

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0 100 m

RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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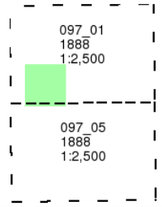
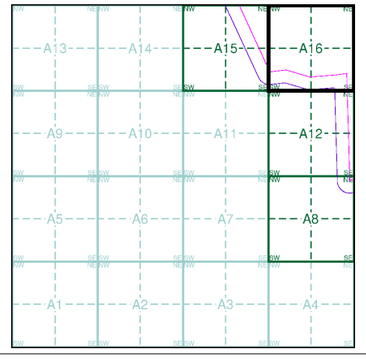
Map Name(s) and Date(s)



Historical Map - Segment A16



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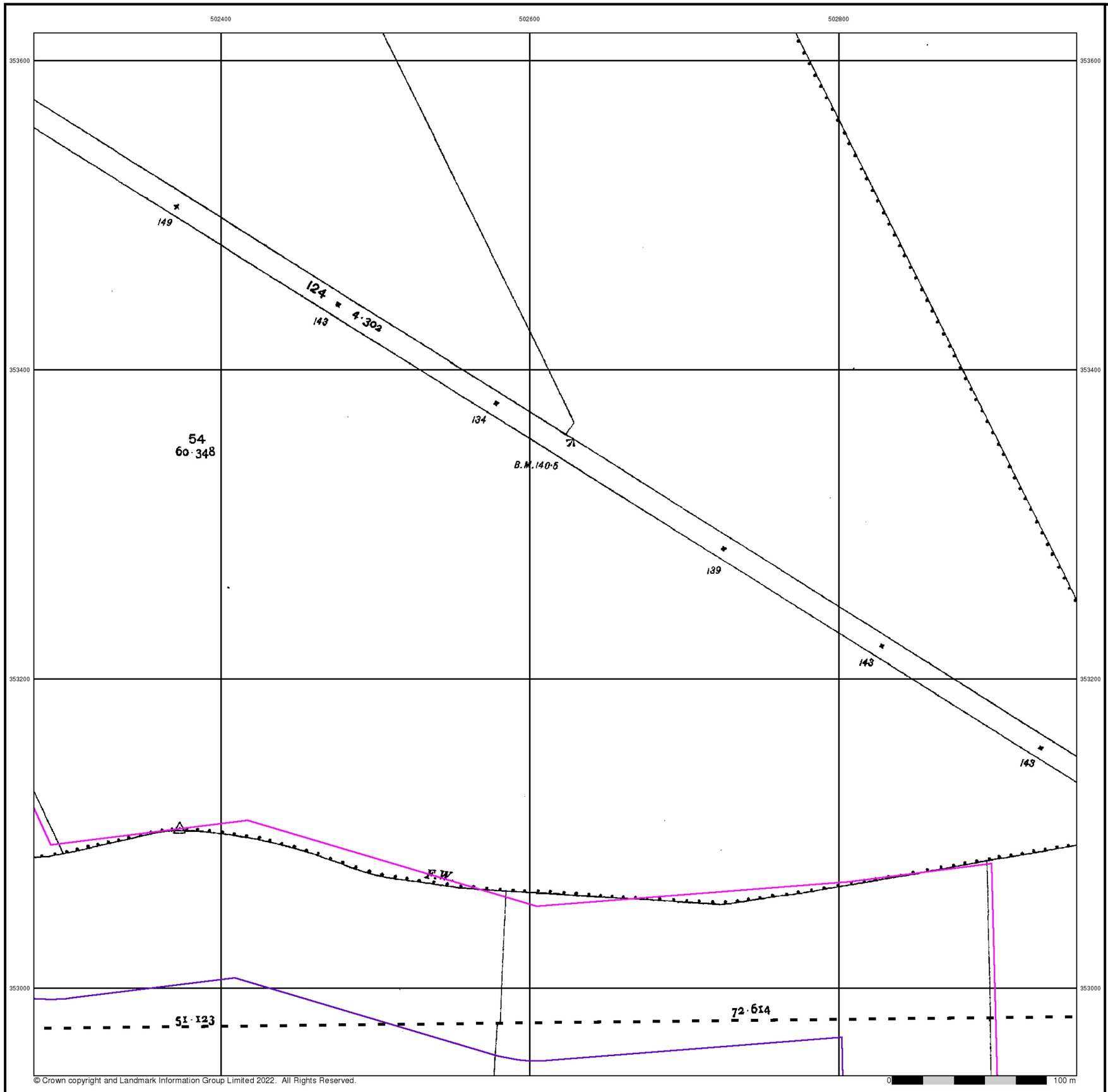

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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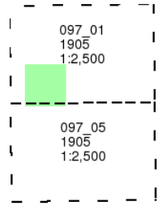
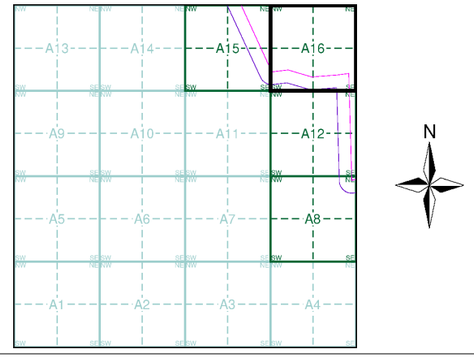


Historical Map - Segment A16



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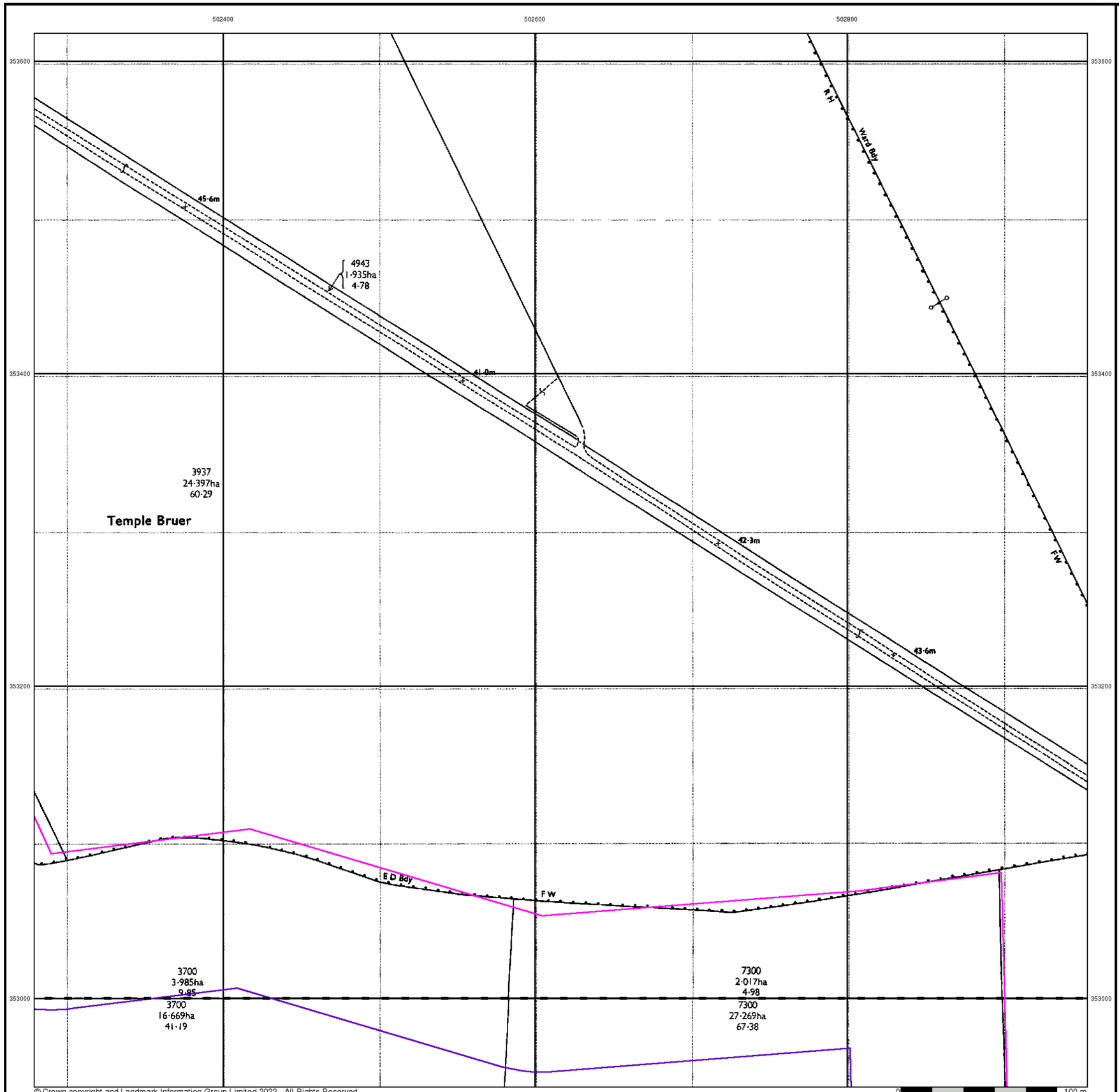

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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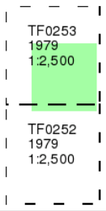
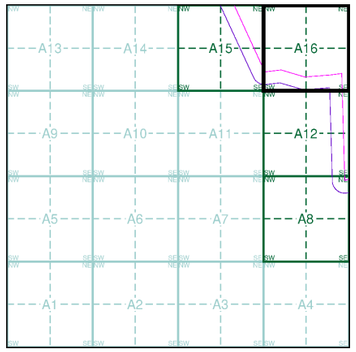
Map Name(s) and Date(s)



Historical Map - Segment A16



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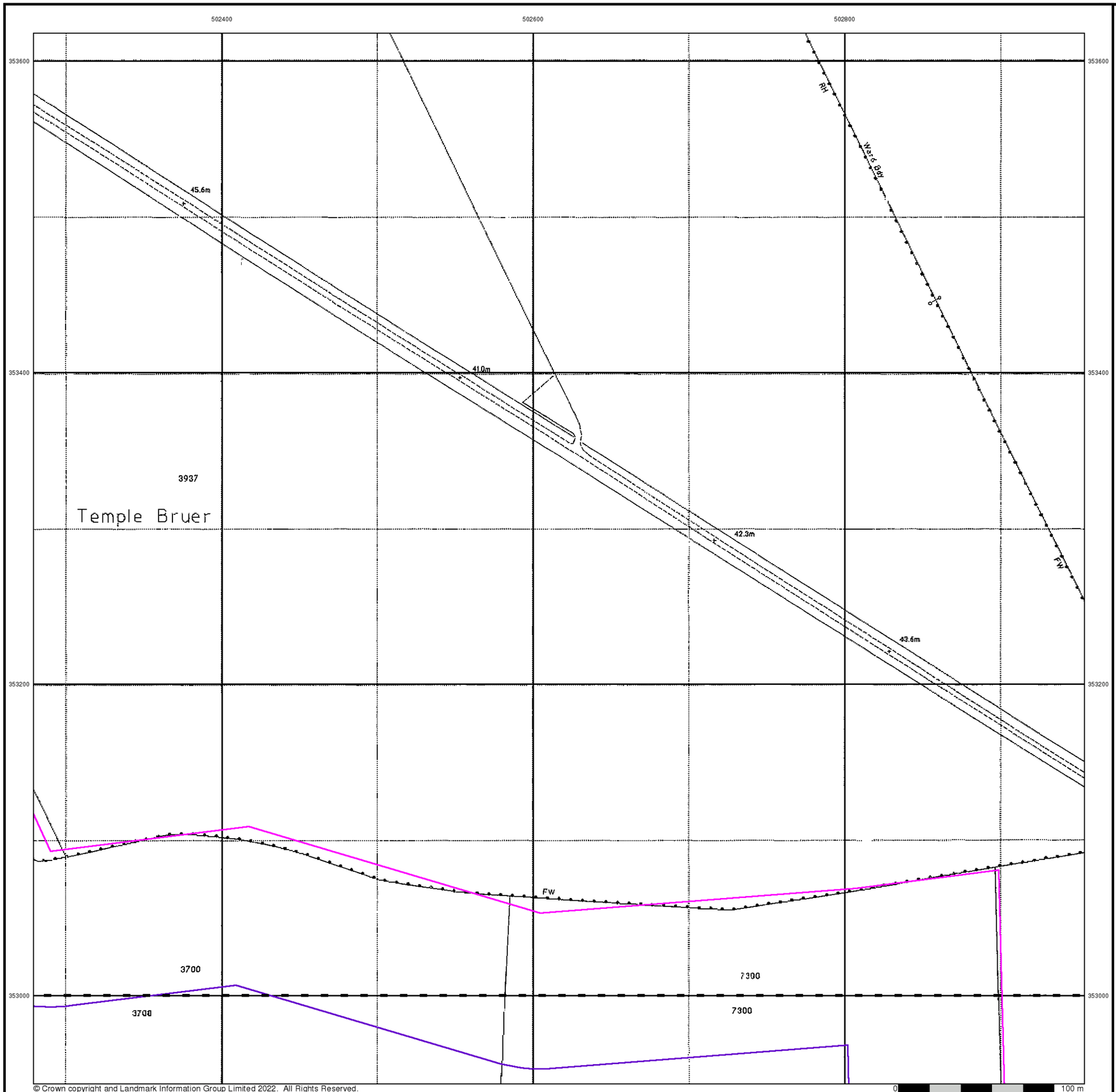
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RSK

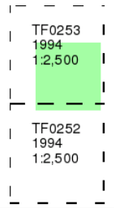
Large-Scale National Grid Data

Published 1994

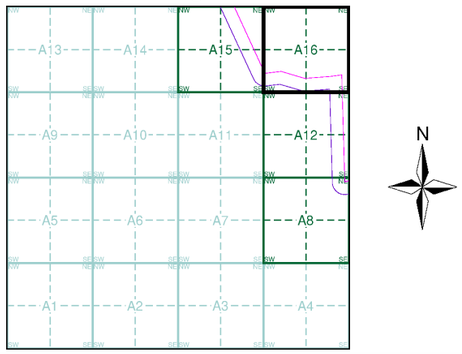
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A16



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	502200, 352660
Slice:	A
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX D2 ENVIRONMENTAL DATABASE REPORT – ZONE B

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
504190, 352440

Slice:
B

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	28
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Geological	30
Industrial Land Use	-
Sensitive Land Use	35
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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 5				4
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6	Yes			
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 6		3		3 (*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 8	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 18	10	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 18	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 19	Yes	n/a	n/a	n/a
Source Protection Zones	pg 19	1			
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 19	6	15	10	39

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 28		3		
Licensed Waste Management Facilities (Locations)	pg 28		4		
Local Authority Landfill Coverage	pg 29	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 30	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 30	2	3	1	1
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 31	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 31	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 33	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 34	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 34	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 35	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B9SE (W)	0	1	503600 352300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9SW (W)	0	1	503250 352400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	502800 353450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	502900 353950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	503250 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	503300 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	504500 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B15SW (N)	0	1	504350 353250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	504350 353850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B11SW (E)	0	1	504400 352500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9SE (W)	0	1	503500 352450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B15NW (N)	0	1	504450 353400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B10SE (S)	0	1	504186 352443
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	502550 353350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	503100 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	504450 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B10SE (SW)	0	1	504000 352300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B6NW (SW)	0	1	503650 352050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	504550 354300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B5NW (W)	0	1	503100 352250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B5NE (SW)	0	1	503450 352100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B9SE (W)	0	1	503400 352443

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B10SW (W)	0	1	503950 352400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B10SE (W)	0	1	504150 352443
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B10SE (W)	0	1	504000 352500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	502500 353800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	503100 353800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	502750 353900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B10NE (N)	0	1	504186 352800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	502600 353900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B10NE (NE)	0	1	504300 352700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B15SE (NE)	0	1	504700 353000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	503150 354100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	503200 354100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	503250 354100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	502400 353900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	504400 353900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B10NE (N)	0	1	504200 352750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	502450 353750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	502850 353600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B16SW (NE)	6	1	505000 353000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	24	1	505000 353950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B9SE (W)	24	1	503300 352300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	29	1	505050 354000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	30	1	505250 354300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B6NW (SW)	67	1	503950 352150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	68	1	502850 352400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B11SE (E)	86	1	504650 352400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B11SE (E)	95	1	504700 352443
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B6SE (S)	99	1	504050 351850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B11SW (SE)	113	1	504400 352350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B5SW (SW)	116	1	503250 351900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	117	1	502800 352443
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	118	1	502800 352400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B16NW (NE)	139	1	505000 353400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B11SE (E)	142	1	504750 352450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B11SE (E)	144	1	504750 352443
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	145	1	505050 353700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B7NW (SE)	164	1	504550 352250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B10SE (SW)	176	1	504000 352350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	185	1	502950 352050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	193	1	502750 352150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B5NW (W)	200	1	503050 352050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B11NE (NE)	205	1	504800 352700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B12NW (E)	208	1	505100 352800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	225	1	505250 354050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B7NE (E)	225	1	504700 352250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B12SW (E)	234	1	505000 352600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B11SE (E)	243	1	504850 352500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	253	1	505150 353750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	263	1	505150 353700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	304	1	502650 352100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	310	1	502800 351950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B7NW (SE)	313	1	504500 352150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B7NW (SE)	313	1	504550 352150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B5SW (SW)	314	1	503050 351900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B12NW (E)	328	1	505150 352700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B5SW (SW)	339	1	503050 351800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B12NW (E)	342	1	505050 352650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B6SE (S)	348	1	504100 351900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	356	1	502800 351900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B7NW (SE)	363	1	504500 352100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B7NW (SE)	363	1	504450 352100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	377	1	505450 354050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	385	1	502950 351850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B12SW (E)	392	1	505000 352443
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	402	1	502700 351900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B7NW (SE)	414	1	504400 352050

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	422	1	502750 351850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	430	1	502650 351900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	435	1	502900 351800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B6SE (S)	443	1	504050 351700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B6SW (S)	443	1	503950 351650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	463	1	505400 353700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B6NE (S)	466	1	504250 352000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B7NW (S)	466	1	504350 352000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	468	1	502750 351800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B6SE (S)	476	1	504186 351900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B6NE (S)	494	1	504186 351950
1	**Discharge Consents** Operator: Dr J Walker Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: 3 Cottages Dunsby House, Brauncewell, Sleaford, Ng34 8se Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu486 Permit Version: 1 Effective Date: 7th January 1971 Issued Date: 7th January 1971 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	B2NW (S)	654	2	503900 351400
1	**Discharge Consents** Operator: Estate Associates Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: 3 Cottages Dunsby House, Brauncewell, Sleaford, Ng34 8se Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu5513 Permit Version: 1 Effective Date: 11th February 1966 Issued Date: 11th February 1966 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	B2NW (S)	654	2	503900 351400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Willow Lane Sps, Cranwell, Lincolnshire, Ng34 8dq Authority: Environment Agency, Anglian Region Catchment Area: Non-Tidal (River Slea) Reference: Annnf10370 Permit Version: 2 Effective Date: 19th July 1995 Issued Date: 19th July 1995 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trib Ruskington Beck **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	B2SE (S)	922	2	504020 351160
2	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Willow Lane Sps, Cranwell, Lincolnshire, Ng34 8dq Authority: Environment Agency, Anglian Region Catchment Area: Not Given Reference: Annnf10370 Permit Version: 1 Effective Date: 24th January 1991 Issued Date: 24th January 1991 Revocation Date: 18th July 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Trib Ruskington Beck **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	B2SE (S)	922	2	504020 351160
	Nearest Surface Water Feature	B15NE (NE)	0	-	504799 353436
3	**Water Abstractions** Operator: W S Elkington Licence Number: 4/30/11/*G/0060a Permit Version: 100 Location: Manor Farm Bore Brauncewell Authority: Environment Agency, Anglian Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B11SW (E)	113	2	504550 352350
3	**Water Abstractions** Operator: W S Elkington Licence Number: 4/30/11/*G/0060a Permit Version: 100 Location: Manor Farm Bore Brauncewell Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B11SW (E)	118	2	504555 352345

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Water Abstractions** Operator: William Spencer Elkington Licence Number: 4/30/11/*g/060a Permit Version: Not Supplied Location: Dale Farm Borehole, ROXHOLM Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B11SW (E)	118	2	504550 352345
4	**Water Abstractions** Operator: William Spencer Elkington Licence Number: 4/30/11/*g/060a Permit Version: Not Supplied Location: Manor Farm Bore , BRAUNCEWELL Authority: Environment Agency, Anglian Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 680 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B3NE (SE)	968	2	504905 351550
4	**Water Abstractions** Operator: W S Elkington Licence Number: 4/30/11/*G/0060a Permit Version: 100 Location: Dale Farm Borehole Roxholm Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B3NE (SE)	971	2	504900 351545
4	**Water Abstractions** Operator: W S Elkington Licence Number: 4/30/11/*G/0060a Permit Version: 100 Location: Dale Farm Borehole Roxholm Authority: Environment Agency, Anglian Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B3NE (SE)	972	2	504905 351545

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Roxholme Estates Licence Number: 4/30/11/*G/0027a Permit Version: 100 Location: Roxholme Hall Borehole Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SE)	1968	2	505350 350650
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B15SW (N)	0	3	504347 353200
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B15NW (N)	0	3	504466 353410
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	504440 353624

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	504481 353691
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B14SE (N)	0	3	504187 353000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10NE (NW)	0	3	504000 352853
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10NE (N)	0	3	504279 352724

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10NE (N)	0	3	504089 352865
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B11SW (NE)	0	3	504315 352533
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	504424 354000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	504244 354000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B6NE (SW)	0	3	504000 352000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B11NW (NE)	0	3	504379 352837
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B16NW (NE)	0	3	505000 353590
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B15SW (NE)	0	3	504449 353000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10NE (N)	0	3	504000 352933
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10NE (NW)	0	3	504000 352818
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10NE (N)	0	3	504110 352793
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B14SE (N)	0	3	504186 353000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B9SW (W)	0	3	503000 352443
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10SE (W)	0	3	504000 352443
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B6NE (SW)	0	3	504000 352153
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10NE (N)	0	3	504272 352782

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B14SE (N)	0	3	504000 352975
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10SE (S)	0	3	504186 352443
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B15SE (NE)	0	3	504692 352987
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	503000 354000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	504000 354000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	504186 354000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	504545 354000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10SE (SW)	0	3	504000 352288

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10SE (SW)	0	3	504000 352283
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B10SE (E)	0	3	504202 352441
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B11SW (E)	0	3	504376 352519
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B5NW (W)	0	3	503000 352210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B6NW (SW)	0	3	503862 352000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B13SW (NW)	0	3	503000 353000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B14SE (N)	0	3	504000 353000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B14SE (N)	0	3	504235 353000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B14SE (N)	0	3	504040 353000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	B15SE (NE)	0	3	504698 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	B6NE (SW)	0	3	504000 352000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	B9SW (W)	0	3	503000 352443
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	B10SE (W)	0	3	504000 352443
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	B10SE (S)	0	3	504186 352443
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	B13SW (NW)	0	3	503000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	B14SE (N)	0	3	504000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	B14SE (N)	0	3	504186 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(NW)	0	3	503000 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(N)	0	3	504000 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(N)	0	3	504186 354000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(N)	0	3	504440 353624
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B10NE (N)	0	3	504279 352724
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B10NE (N)	0	3	504089 352865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B15NW (N)	0	3	504466 353410
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	B11SW (NE)	0	3	504315 352533
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	B16NW (NE)	0	3	505000 353590
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	B11NW (NE)	0	3	504379 352837
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	B10SE (S)	0	3	504186 352443
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	B10NE (N)	0	3	504272 352782
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	B15SW (N)	0	3	504347 353200
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B15SE (NE)	0	3	504692 352987
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	B10NE (N)	0	3	504110 352793
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B10SE (E)	0	3	504202 352441
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	B10SE (SW)	0	3	504015 352283
5	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	B10SE (S)	0	2	504186 352443
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
6	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 210.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SW (E)	0	4	504370 352469
7	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SW (E)	0	4	504574 352509

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 53.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B15NE (NE)	0	4	504833 353406
9	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 290.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B15NE (NE)	0	4	504843 353407
10	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 110.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B15NE (NE)	0	4	504813 353443
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B15NE (NE)	0	4	504799 353436
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SW (E)	5	4	504579 352514
13	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SW (E)	10	4	504579 352538
14	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SW (E)	10	4	504571 352579
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 156.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SW (E)	11	4	504570 352584
16	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 19.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SW (E)	12	4	504579 352538

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 263.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B15NE (NE)	66	4	504921 353433
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 364.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16SW (NE)	69	4	505014 352972
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6NW (SW)	107	4	503739 351995
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11NE (E)	162	4	504718 352618
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 252.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11NE (E)	167	4	504722 352619
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 200.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SE (E)	173	4	504782 352472
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 222.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11NE (NE)	216	4	504907 352785
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11NE (NE)	231	4	504899 352782
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 170.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B12NW (E)	232	4	505123 352831

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 435.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B12NW (NE)	232	4	505119 352842
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16NW (NE)	274	4	505128 353461
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 345.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SE (E)	292	4	504838 352294
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 176.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16NW (NE)	311	4	505164 353468
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SE (E)	357	4	504955 352557
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 257.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B11SE (E)	359	4	504953 352576
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 459.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6NE (S)	386	4	504255 352031
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 492.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B12NW (E)	401	4	505182 352684
34	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B6NE (S)	413	4	504089 352011

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 137.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B12NW (E)	429	4	505048 352611
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 260.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16NE (NE)	487	4	505335 353512
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B12SW (E)	512	4	505120 352495
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 316.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B12SW (E)	512	4	505120 352495
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 318.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16NE (NE)	523	4	505585 353571
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 148.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B12SW (E)	527	4	505135 352469
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B12NE (E)	570	4	505548 352904
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 89.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B12NE (E)	575	4	505553 352905
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 327.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B12SW (E)	592	4	505181 352328

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 313.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B12SW (E)	592	4	505181 352328
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B12NE (E)	604	4	505416 352606
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 230.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B12NE (E)	607	4	505422 352607
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 102.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16SE (NE)	647	4	505620 353202
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B16NE (NE)	661	4	505612 353284
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B12NE (E)	663	4	505643 352904
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	(E)	672	4	505656 352854
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 94.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B12NE (E)	687	4	505654 352760
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B12NE (E)	710	4	505647 352759

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 947.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B1SE (SW)	780	4	503513 351109
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 199.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B8NW (E)	805	4	505279 352030
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 500.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B8NW (E)	805	4	505279 352030
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 450.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B12SE (E)	808	4	505498 352407
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 346.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	B12SE (E)	808	4	505498 352407
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 196.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B2NE (S)	809	4	504259 351410
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 51.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B2NE (S)	814	4	503972 351257
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 213.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B1SE (SW)	837	4	503513 351109
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 489.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B2SE (S)	837	4	503995 351193

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B7SW (S)	839	4	504366 351618
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B7SW (S)	852	4	504370 351595
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 187.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B3NW (S)	855	4	504370 351589
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 275.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B7SW (SE)	862	4	504543 351601
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B2SE (S)	865	4	503991 351209
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B2SE (S)	882	4	504000 351193
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 155.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B2SE (S)	933	4	504032 351154
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 494.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: The Beck Catchment Name: Witham Primacy: 1	B2SE (S)	933	4	504068 351169
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 208.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B3NW (S)	951	4	504363 351402

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B8NE (E)	959	4	505475 352065
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B8NE (E)	976	4	505495 352068
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B8NE (E)	977	4	505496 352068
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B8NE (E)	978	4	505499 352069
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 279.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	B8NE (E)	984	4	505505 352070

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Brauncewell Quarry Licence Number: 73008 Location: Brauncewell Quarry, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Licence Holder: Brauncewell Quarries Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Modified** Issued: 12th April 2001 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	B9SE (W)	9	2	503299 352309
77	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Brauncewell Quarry Landfill Licence Number: 73320 Location: Brauncewell Quarry, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Licence Holder: Brauncewell Quarries Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Inactive** Issued: 19th March 2007 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	B5NW (SW)	194	2	503128 351931
78	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Brauncewell Quarry Landfill Licence Number: 73320 Location: Brauncewell Quarry, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Licence Holder: Brauncewell Quarries Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Expired** Issued: 19th March 2007 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	B5NW (SW)	194	2	503128 351931
79	**Licensed Waste Management Facilities (Locations)** Licence Number: 73008 Location: Brauncewell Quarry, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Operator Name: Brauncewell Quarries Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) **Licence Status: Modified** Issued: 12th April 2001 Last Modified: 20th November 2019 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	B5NW (W)	171	2	502969 352070
79	**Licensed Waste Management Facilities (Locations)** Licence Number: 73320 Location: Brauncewell Quarry, Brauncewell, Sleaford, Lincolnshire, NG34 8RL Operator Name: Brauncewell Quarries Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) **Licence Status: Expired** Issued: 19th March 2007 Last Modified: Not Supplied Expires: 28th June 2019 Suspended: 02/10/2009 Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	B5NW (W)	173	2	502969 352068

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	**Licensed Waste Management Facilities (Locations)** Licence Number: 210104 Location: Brauncewell Quarries, Brauncewell, Lincolnshire, NG34 8RL Operator Name: Brauncewell Quarry Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Inert LF **Licence Status: Expired** Issued: 19th March 2007 Last Modified: 2nd October 2009 Expires: Not Supplied Suspended: 02/10/2009 Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	B5NW (W)	173	2	502967 352067
79	**Licensed Waste Management Facilities (Locations)** Licence Number: 70905 Location: Brauncewell, Sleaford, Lincolnshire, NG34 8RL Operator Name: Brauncewell Quarries Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) **Licence Status: Expired** Issued: 28th July 1986 Last Modified: Not Supplied Expires: 28th June 2019 Suspended: 02/10/2009 Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	B5NW (W)	173	2	502973 352069
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	5	504186 352443
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	504186 352443

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Inferior Oolite Group	B10SE (S)	0	1	504186 352443
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	B10SE (NE)	0	1	504253 352529
80	**BGS Recorded Mineral Sites** Site Name: Long Plantation Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136081 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B14NW (NW)	0	1	503737 353288
81	**BGS Recorded Mineral Sites** Site Name: Warren Pit Plantation Stone Pit Location: Cranwell, Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134841 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Cornbrash Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B10NE (N)	0	1	504012 352876
82	**BGS Recorded Mineral Sites** Site Name: Brauncewell Stone Pit Location: Brauncewell, Cranwell, Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136077 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B10SW (W)	12	1	503659 352514
83	**BGS Recorded Mineral Sites** Site Name: Dunsby Pit Location: Brauncewell, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 8539 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B6NW (SW)	49	1	503673 352049
84	**BGS Recorded Mineral Sites** Site Name: Long Plantation Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136076 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B14NE (N)	87	1	504254 353440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	**BGS Recorded Mineral Sites** Site Name: Brauncewell Quarry Location: Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 2753 Type: Opencast **Status: Active** Operator: Brauncewell Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B5NW (SW)	302	1	502990 351940
86	**BGS Recorded Mineral Sites** Site Name: West Pastures Stone Pit Location: Cranwell, Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136070 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B1SW (SW)	909	1	503037 351083
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	6	1	505000 352443
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	6	1	505000 352443
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11SW (NE)	0	1	504315 352533
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	0	1	505000 353590
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11NW (NE)	0	1	504379 352837
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10SE (E)	0	1	504202 352441
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5NE (W)	0	1	503323 352211
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10NE (N)	0	1	504089 352865
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B15SW (N)	0	1	504347 353200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B15SE (NE)	0	1	504692 352987
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10NE (N)	0	1	504272 352782
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	6	1	505000 352995
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	31	1	505000 353227
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	43	1	505000 352443
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B7NW (SE)	92	1	504573 352251
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B7NW (SE)	116	1	504562 352193
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	135	1	505000 353369
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B7NW (SE)	150	1	504637 352248
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SE (E)	151	1	504733 352387
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	223	1	505000 352754
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B7NE (SE)	239	1	504693 352222
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	6	1	505000 352443
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B5NE (W)	10	1	503323 352212
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	222	1	505155 353280
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SE (E)	0	1	504202 352441
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	6	1	505000 352754
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B14NE (N)	28	1	504077 353426
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	232	1	505000 352610

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11NE (E)	249	1	504801 352656
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B15SE (NE)	0	1	504692 352987
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10NE (N)	0	1	504110 352793
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	0	1	505000 353590
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B11NW (NE)	0	1	504379 352837
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SW (E)	0	1	504501 352457
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	0	1	504015 352283
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	6	1	505000 352416
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B14NE (N)	28	1	504077 353426
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	31	1	505000 353227
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	43	1	505000 352443
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SE (E)	112	1	504690 352551
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	135	1	505000 353369
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B7NW (SE)	150	1	504637 352248
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	223	1	505000 352593
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B7NE (SE)	239	1	504693 352222
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	B10NE (N)	0	1	504225 352651
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	B11NW (NE)	0	1	504625 352926
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	B10NE (N)	0	1	504075 352776

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	B14NE (N)	0	1	504125 353351
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	B15NW (N)	0	1	504450 353326
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	0	1	504075 352351
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B10NE (N)	0	1	504225 352651
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B11NW (NE)	0	1	504625 352926
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B10NE (N)	0	1	504075 352776
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B14NE (N)	0	1	504125 353351
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B15NW (N)	0	1	504450 353326
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	0	1	504075 352351
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	B10SE (S)	0	3	504186 352443
88	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	B10SE (S)	0	3	504186 352443

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

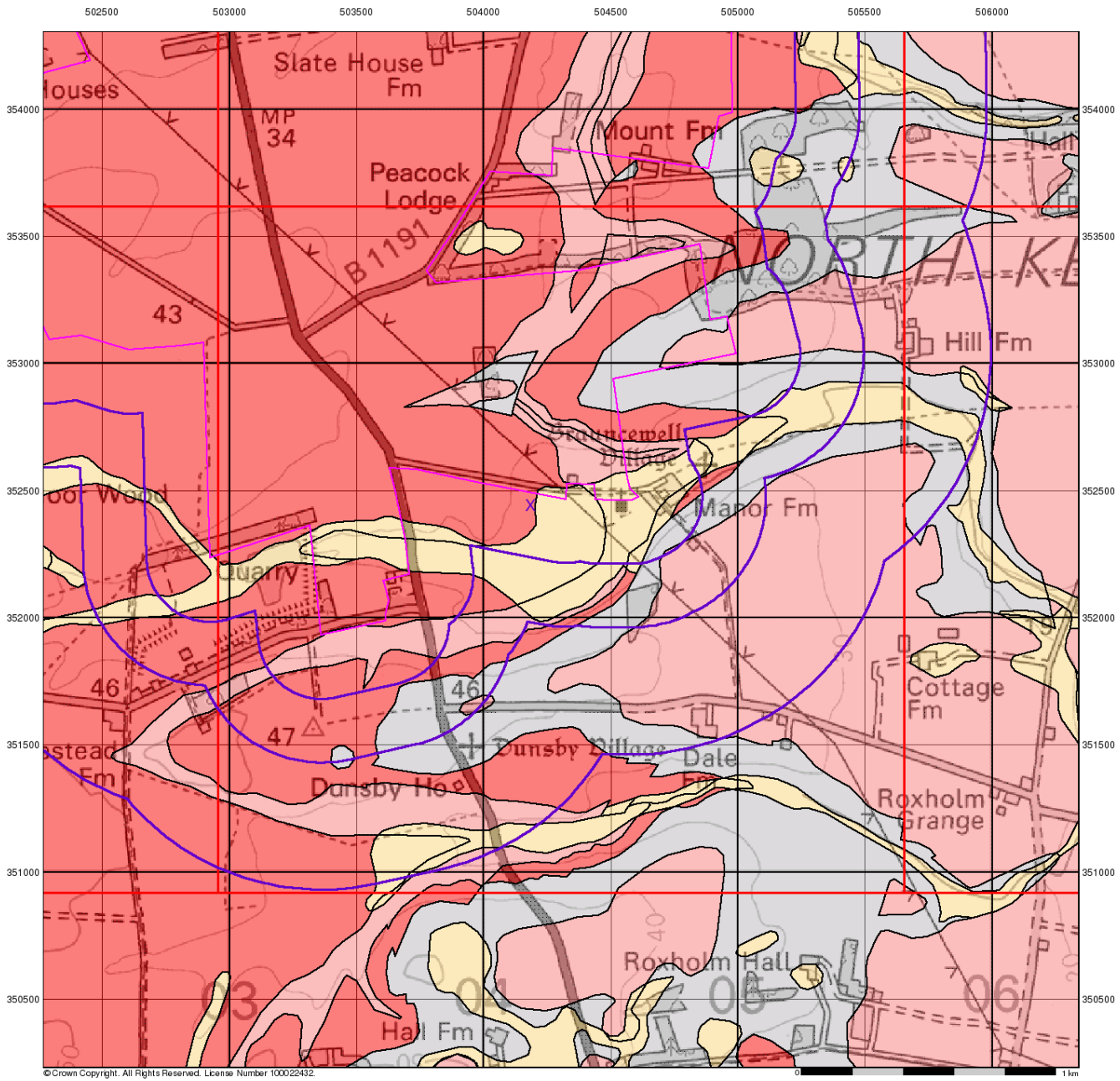
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



RSK

Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

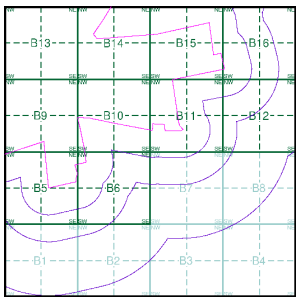
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice B



Order Details

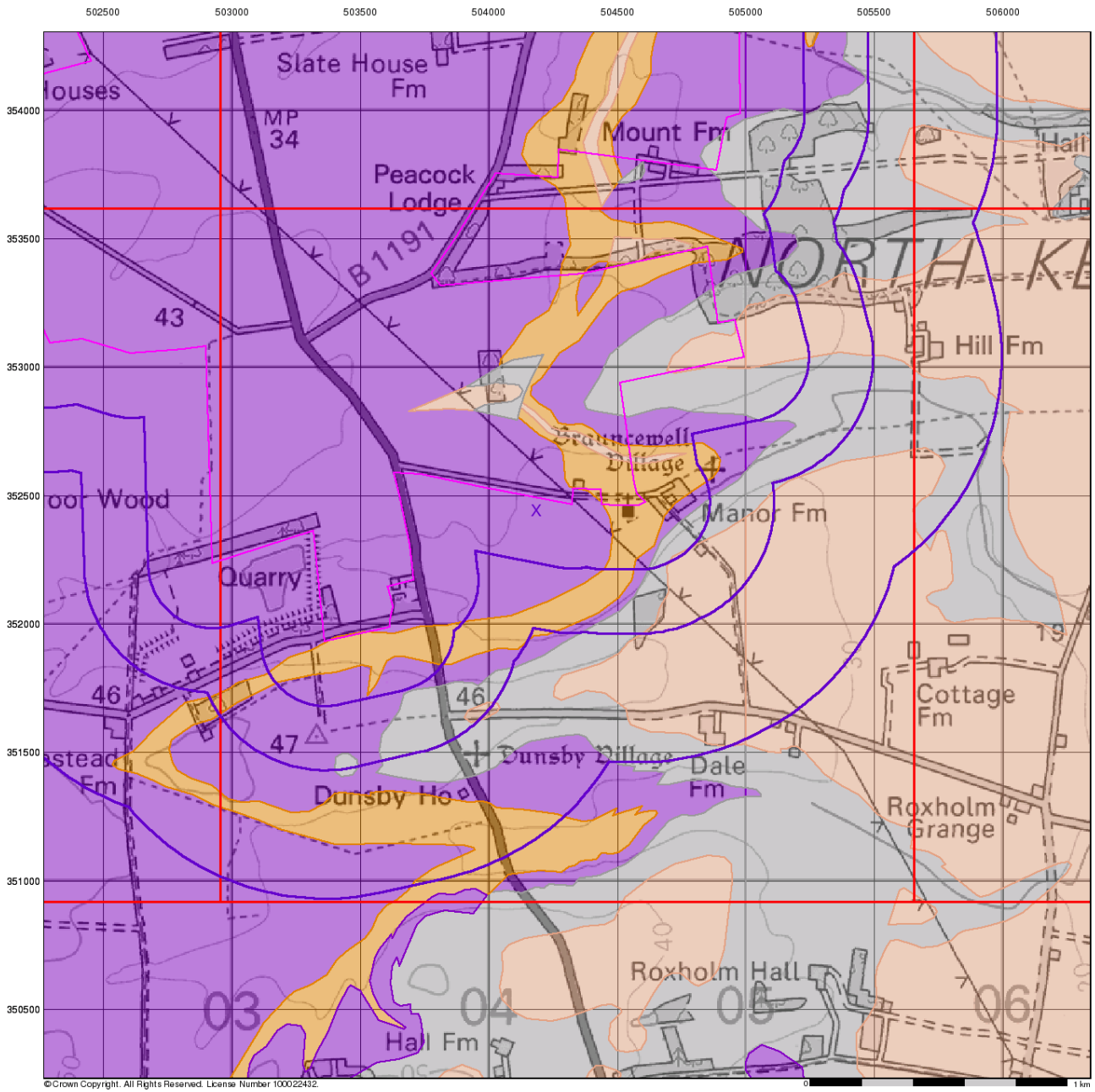
Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

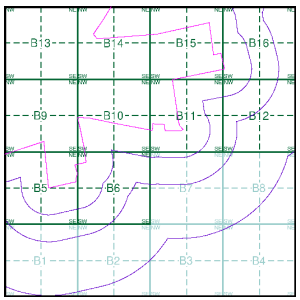
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice B



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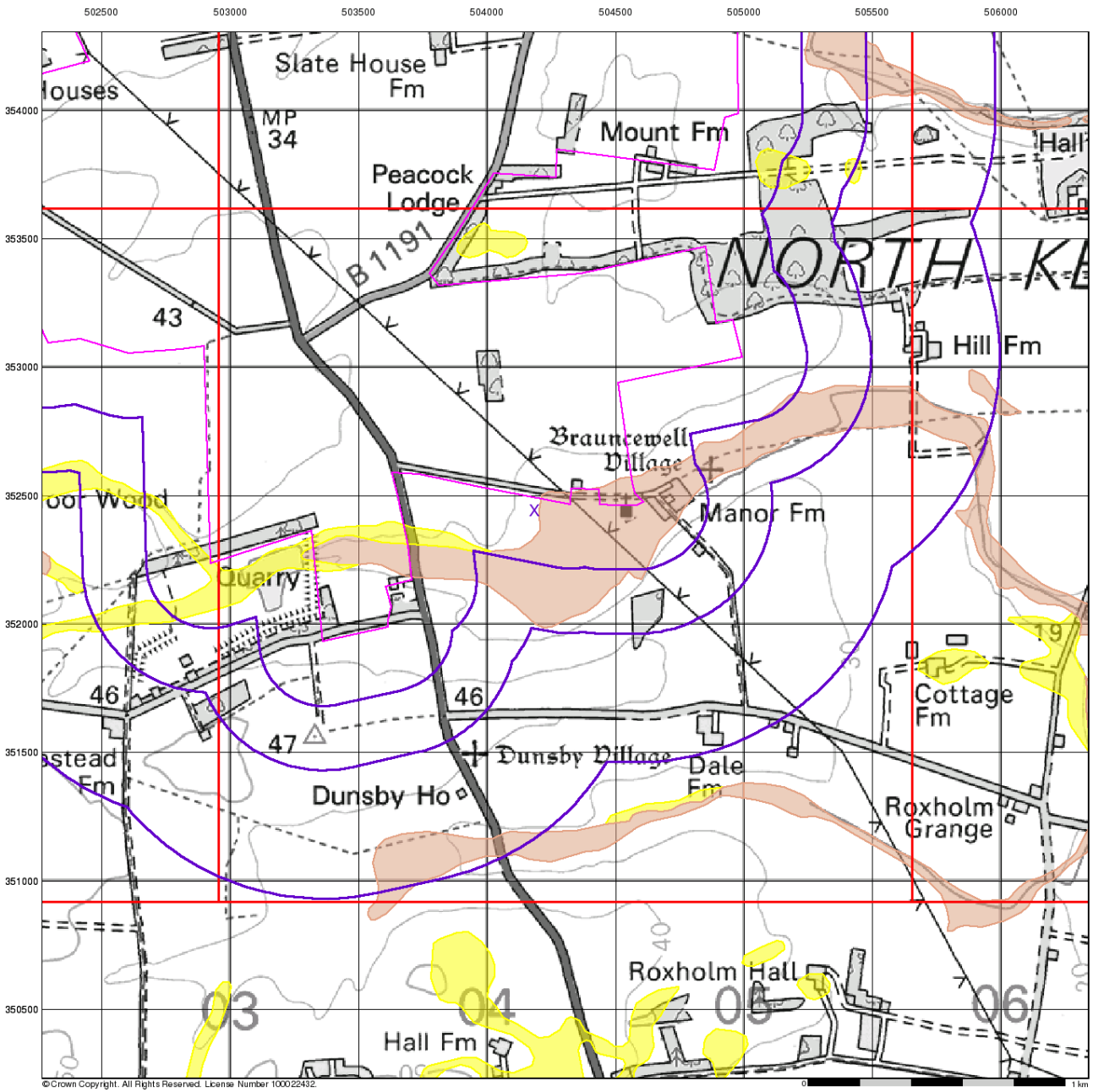


Superficial Aquifer Designation

General

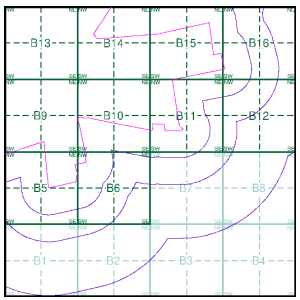
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice B



Order Details

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Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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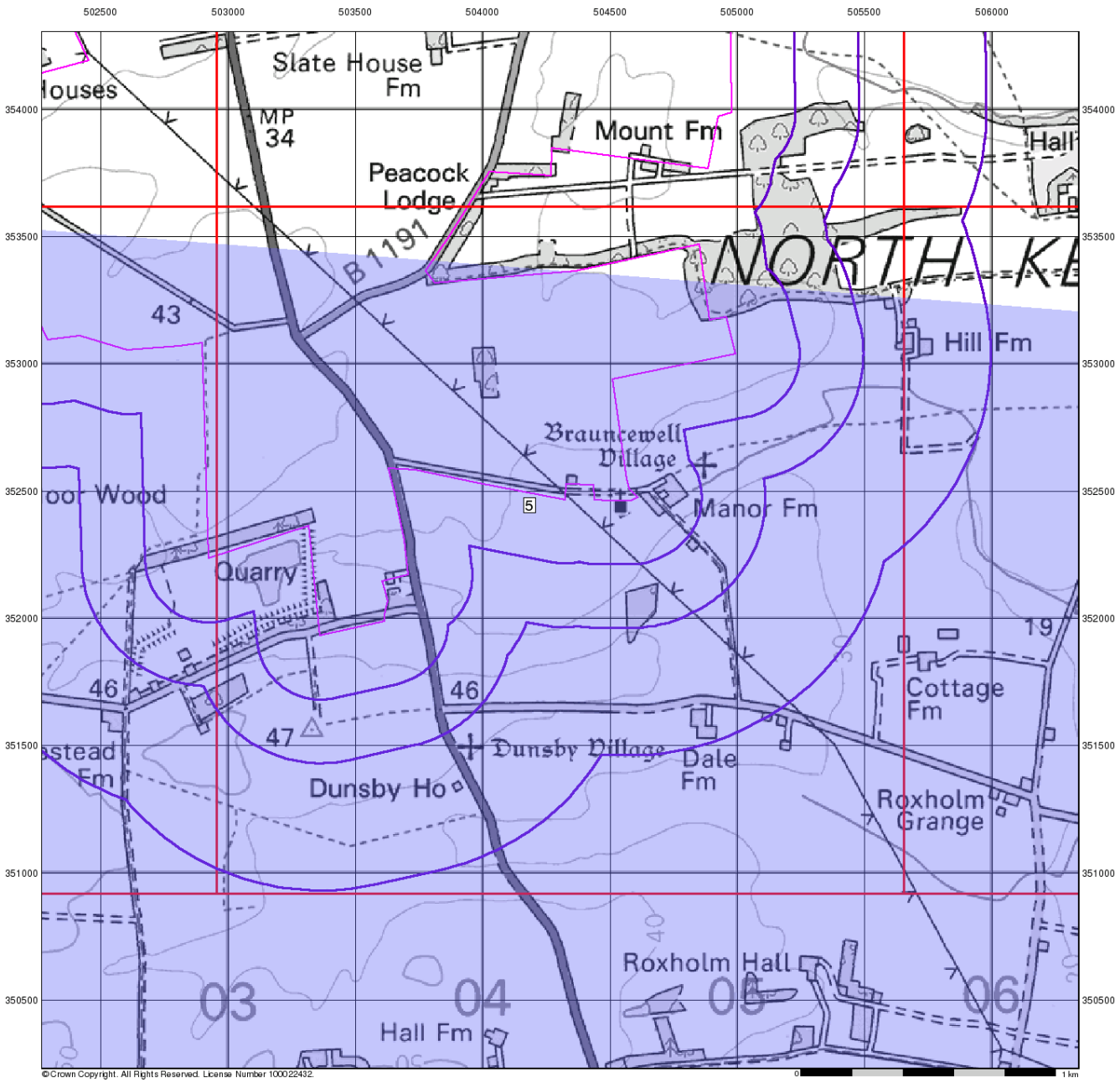
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RSK

Source Protection Zones

General

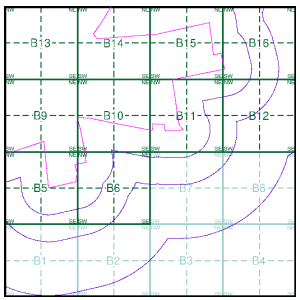
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice B



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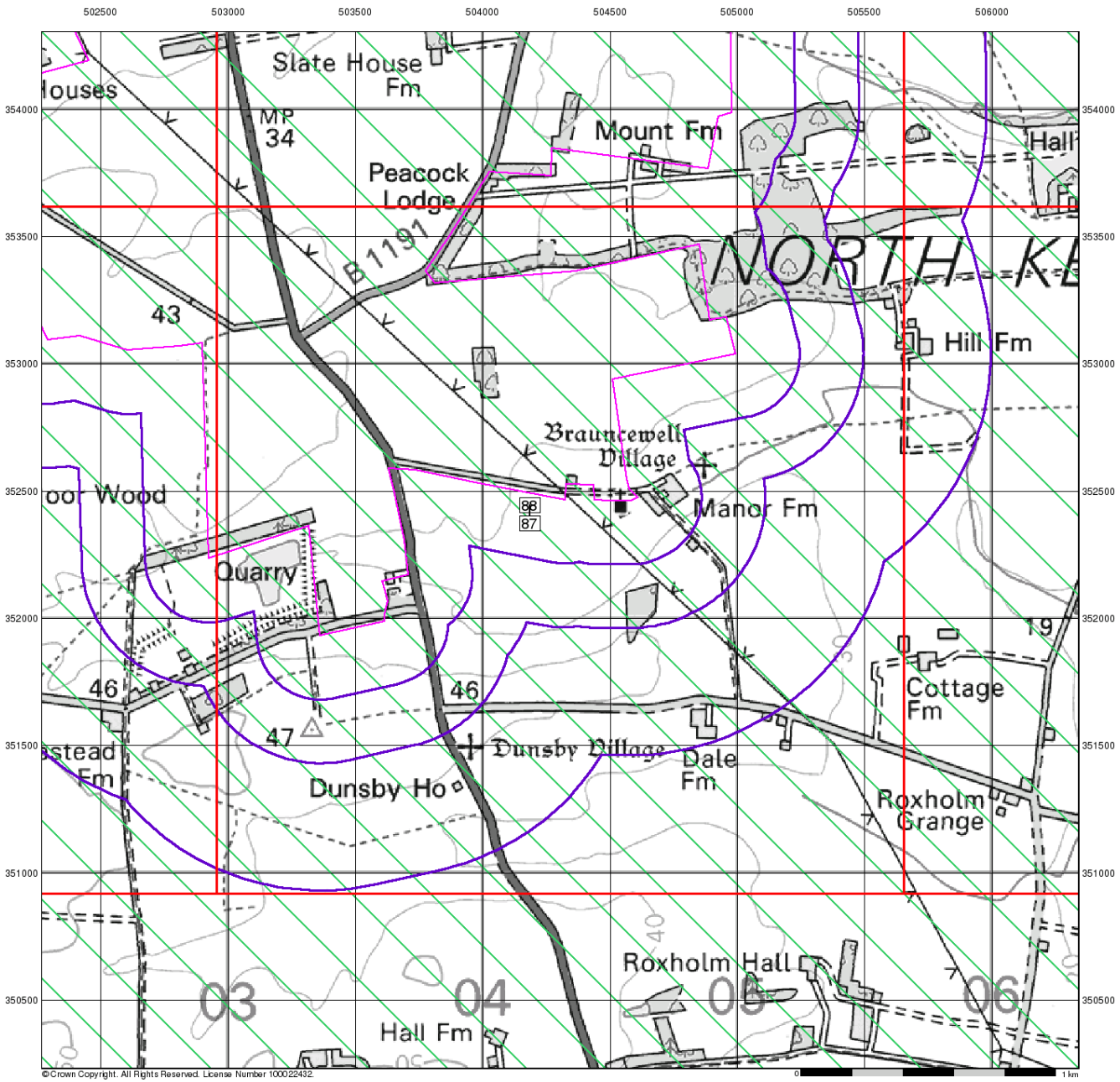


Sensitive Land Uses

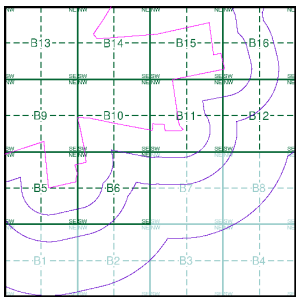
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice B



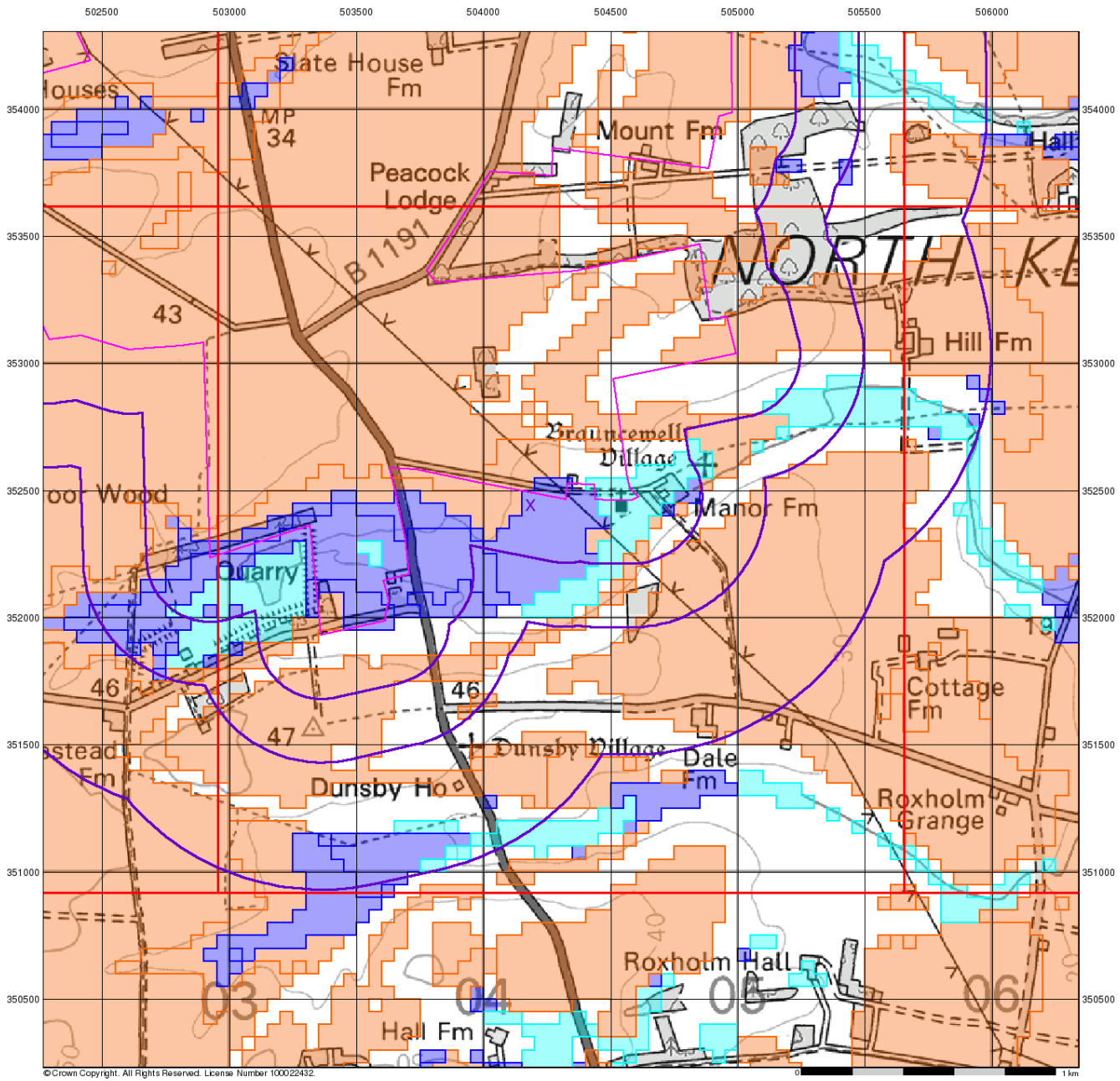
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RSK

BGS Flood GFS Data

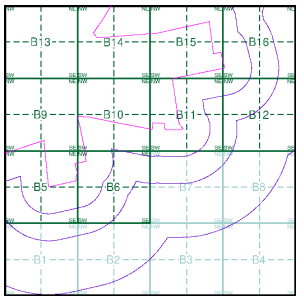
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice B



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

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RSK

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

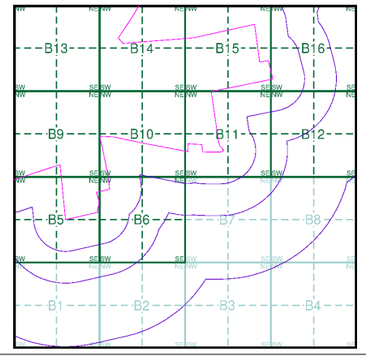
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice B



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Industrial Land Use Map

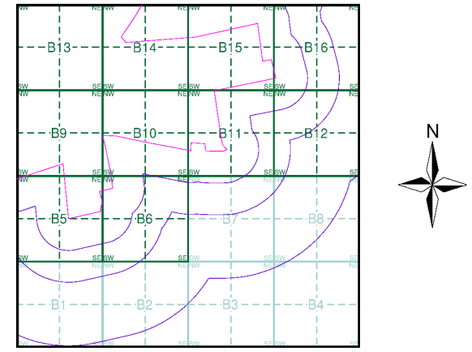
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice B



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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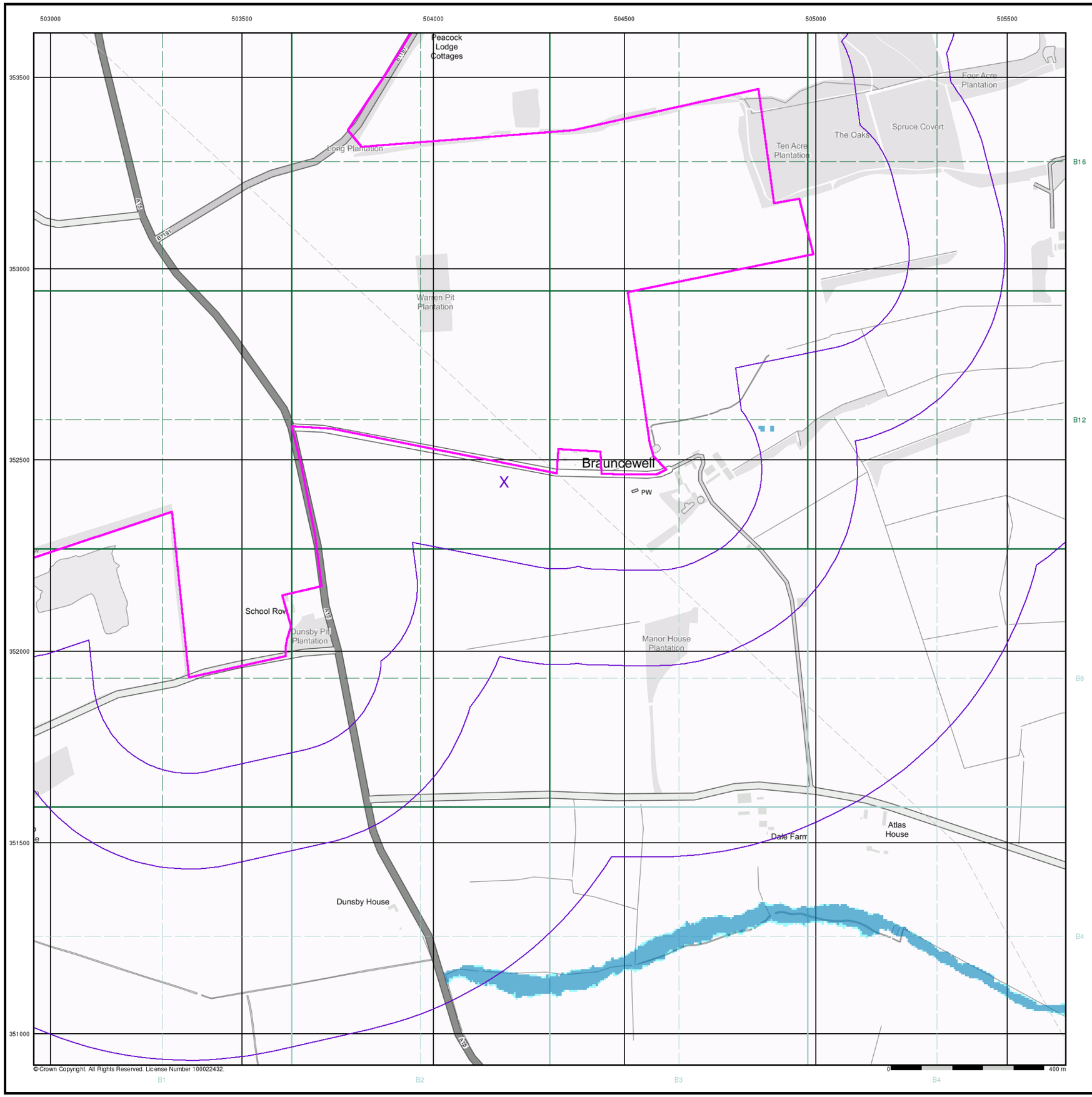


RSK

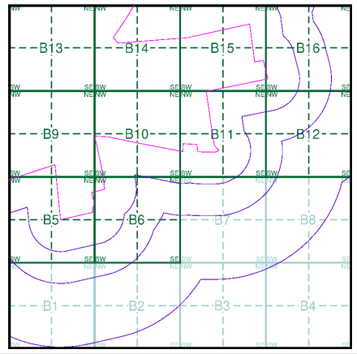
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice B



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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RSK

General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- 8 Map ID
- Several of Type at Location

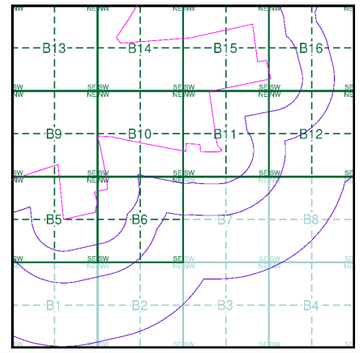
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice B



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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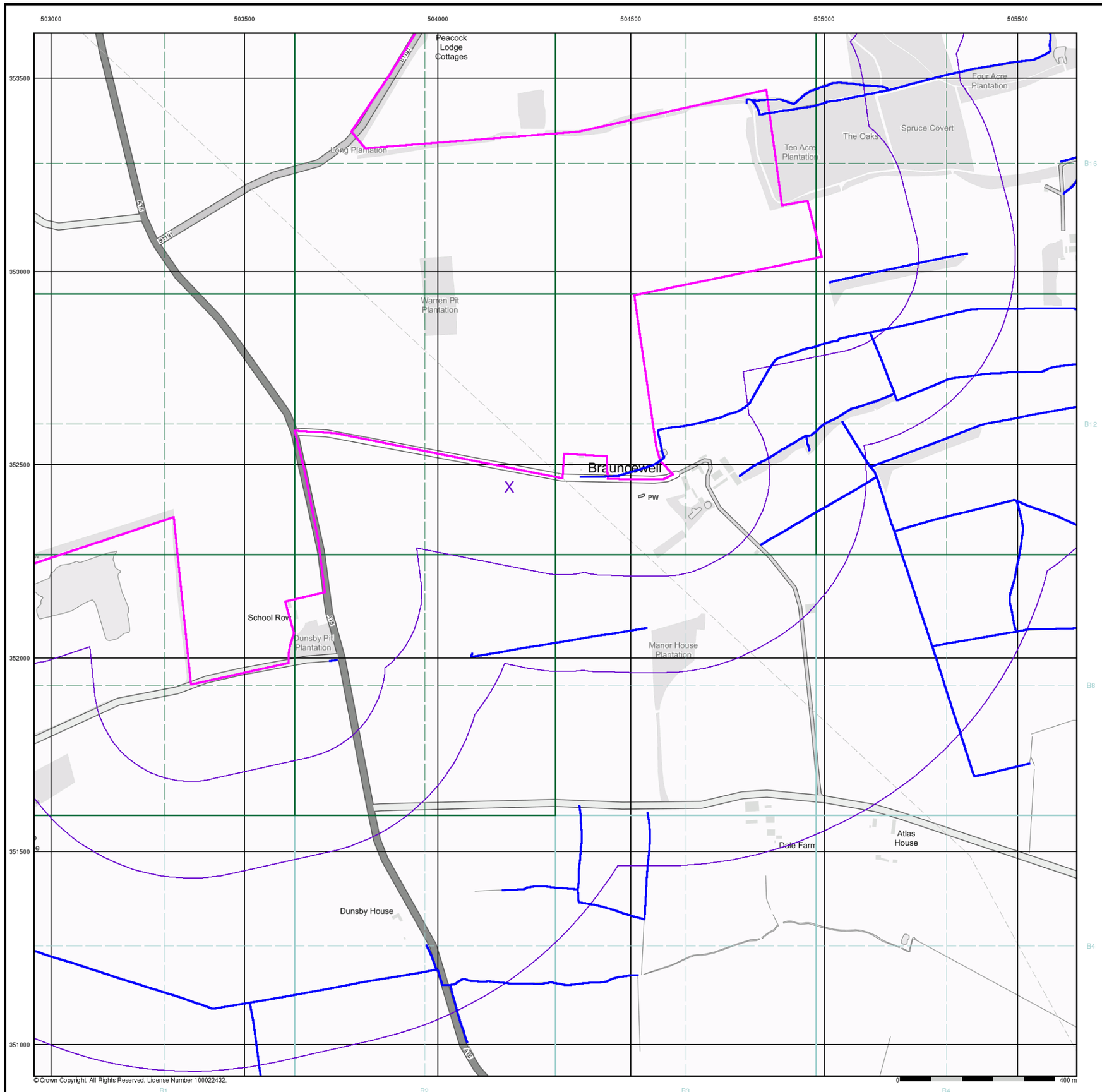


RSK

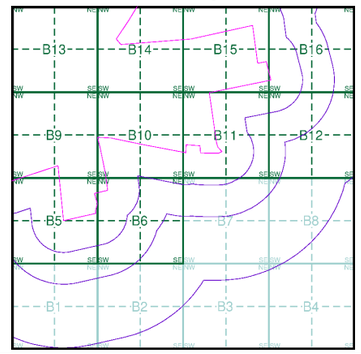
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice B



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
504190, 352440

Slice:
B

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	3
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	4
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	5
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	8
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	10
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1	2	3	1	1
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 3		2	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 4	3	2	1	1
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 4	3	2		1
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Long Plantation Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136081 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B14NW (NW)	0	1	503737 353288
2	**BGS Recorded Mineral Sites** Site Name: Warren Pit Plantation Stone Pit Location: Cranwell, Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134841 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Cornbrash Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B10NE (N)	0	1	504012 352876
3	**BGS Recorded Mineral Sites** Site Name: Brauncewell Stone Pit Location: Brauncewell, Cranwell, Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136077 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B10SW (W)	12	1	503659 352514
4	**BGS Recorded Mineral Sites** Site Name: Dunsby Pit Location: Brauncewell, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 8539 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B6NW (SW)	49	1	503673 352049
5	**BGS Recorded Mineral Sites** Site Name: Long Plantation Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136076 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B14NE (N)	87	1	504254 353440
6	**BGS Recorded Mineral Sites** Site Name: Brauncewell Quarry Location: Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 2753 Type: Opencast **Status: Active** Operator: Brauncewell Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B5NW (SW)	302	1	502990 351940

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**BGS Recorded Mineral Sites** Site Name: West Pastures Stone Pit Location: Cranwell, Sleaford, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136070 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	B1SW (SW)	909	1	503037 351083
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	B11SW (E)	1	-	504571 352528
9	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	B15NW (N)	59	-	504584 353470

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	B6NW (SW)	0	-	503715 352099
11	**General Quarrying** Use: Not Supplied Date of Mapping: 1891 - 1956	B14NW (NW)	0	-	503758 353281
12	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	B10NE (N)	0	-	504040 352865
13	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	B10SW (W)	13	-	503660 352519
14	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	B14NE (N)	15	-	504220 353370
15	**General Quarrying** Use: Not Supplied Date of Mapping: 1985	B5SW (SW)	353	-	502984 351878
16	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	B1SW (SW)	907	-	503025 351090
17	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	B14SW (NW)	0	-	503759 353279
18	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	B10NE (N)	0	-	504040 352865
19	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	B6NW (SW)	0	-	503715 352099
20	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	B10SW (W)	13	-	503660 352519
21	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	B14NE (N)	75	-	504212 353425
22	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	B1SW (SW)	907	-	503025 351090

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
23	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
24	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	6	1	505000 352443
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	6	1	505000 352443
25	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	503133 354128
26	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10SE (E)	0	1	504202 352441
27	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
28	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	503131 353807
29	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5NE (W)	0	1	503323 352211
30	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10NE (N)	0	1	504089 352865
31	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B15SW (N)	0	1	504347 353200
32	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B15SE (NE)	0	1	504692 352987
33	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10NE (N)	0	1	504272 352782
34	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	6	1	505000 352995
35	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	24	1	505000 353965
36	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(NE)	71	1	505252 354181
37	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B7NW (SE)	92	1	504573 352251
38	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B7NW (SE)	116	1	504562 352193
39	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	135	1	505000 353369

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SE (E)	151	1	504733 352387
41	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	223	1	505000 352754
42	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B7NE (SE)	239	1	504693 352222
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	503267 354160
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11SW (NE)	0	1	504315 352533
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	0	1	505000 353590
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B11NW (NE)	0	1	504379 352837
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	31	1	505000 353227
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	43	1	505000 352443
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B7NW (SE)	150	1	504637 352248
43	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
44	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	6	1	505000 352443
45	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B5NE (W)	10	1	503323 352212
46	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	222	1	505155 353280
47	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SE (E)	0	1	504202 352441
48	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B14NE (N)	28	1	504077 353426
49	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	29	1	505252 354181
50	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	151	1	505102 353697
51	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	232	1	505000 352610
52	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11NE (E)	249	1	504801 352656
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12NW (E)	6	1	505000 352754
53	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B10NE (N)	0	1	504110 352793
54	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	0	1	505000 353590
55	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B11NW (NE)	0	1	504379 352837
56	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SW (E)	0	1	504501 352457
57	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10SE (SW)	0	1	504015 352283
58	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(N)	8	1	504503 353716
59	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B14NE (N)	28	1	504077 353426
60	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B16SW (NE)	31	1	505000 353227
61	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	43	1	505000 352443
62	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B11SE (E)	112	1	504690 352551
63	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B7NW (SE)	150	1	504637 352248
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B15SE (NE)	0	1	504692 352987
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10SE (S)	0	1	504186 352443
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	6	1	505000 352416
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NE)	24	1	505000 353965
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B16NW (NE)	135	1	505000 353369
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B12SW (E)	223	1	505000 352593
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B7NE (SE)	239	1	504693 352222

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0252	1979
Ordnance Survey Plan	TF0252	1979
Ordnance Survey Plan	TF0252	1979
Ordnance Survey Plan	TF0253	1979
Ordnance Survey Plan	TF0352	1979
Ordnance Survey Plan	TF0352	1979
Ordnance Survey Plan	TF0352	1979
Ordnance Survey Plan	TF0352	1979
Ordnance Survey Plan	TF0352	1979
Ordnance Survey Plan	TF0352	1979
Ordnance Survey Plan	TF0353	1979
Ordnance Survey Plan	TF0353	1979
Ordnance Survey Plan	TF0452	1979
Ordnance Survey Plan	TF0452	1979
Ordnance Survey Plan	TF0452	1979
Ordnance Survey Plan	TF0452	1979
Ordnance Survey Plan	TF0452	1979
Ordnance Survey Plan	TF0452	1979
Ordnance Survey Plan	TF0452	1979
Ordnance Survey Plan	TF0453	1979
Ordnance Survey Plan	TF0453	1979
Ordnance Survey Plan	TF0453	1979
Ordnance Survey Plan	TF0552	1979
Ordnance Survey Plan	TF0552	1979
Ordnance Survey Plan	TF0553	1979
Ordnance Survey Plan	TF0251	1980
Ordnance Survey Plan	TF0351	1980
Ordnance Survey Plan	TF0351	1980
Ordnance Survey Plan	TF0451	1980

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	097_NW	1891
Lincolnshire	097_SW	1891
Lincolnshire	097_NW	1906
Lincolnshire	097_SW	1906
Lincolnshire	097_NW	1950
Lincolnshire	097_SW	1950
Ordnance Survey Plan	TF05SE	1956
Ordnance Survey Plan	TF05SW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF05SE	1985
Ordnance Survey Plan	TF05SW	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

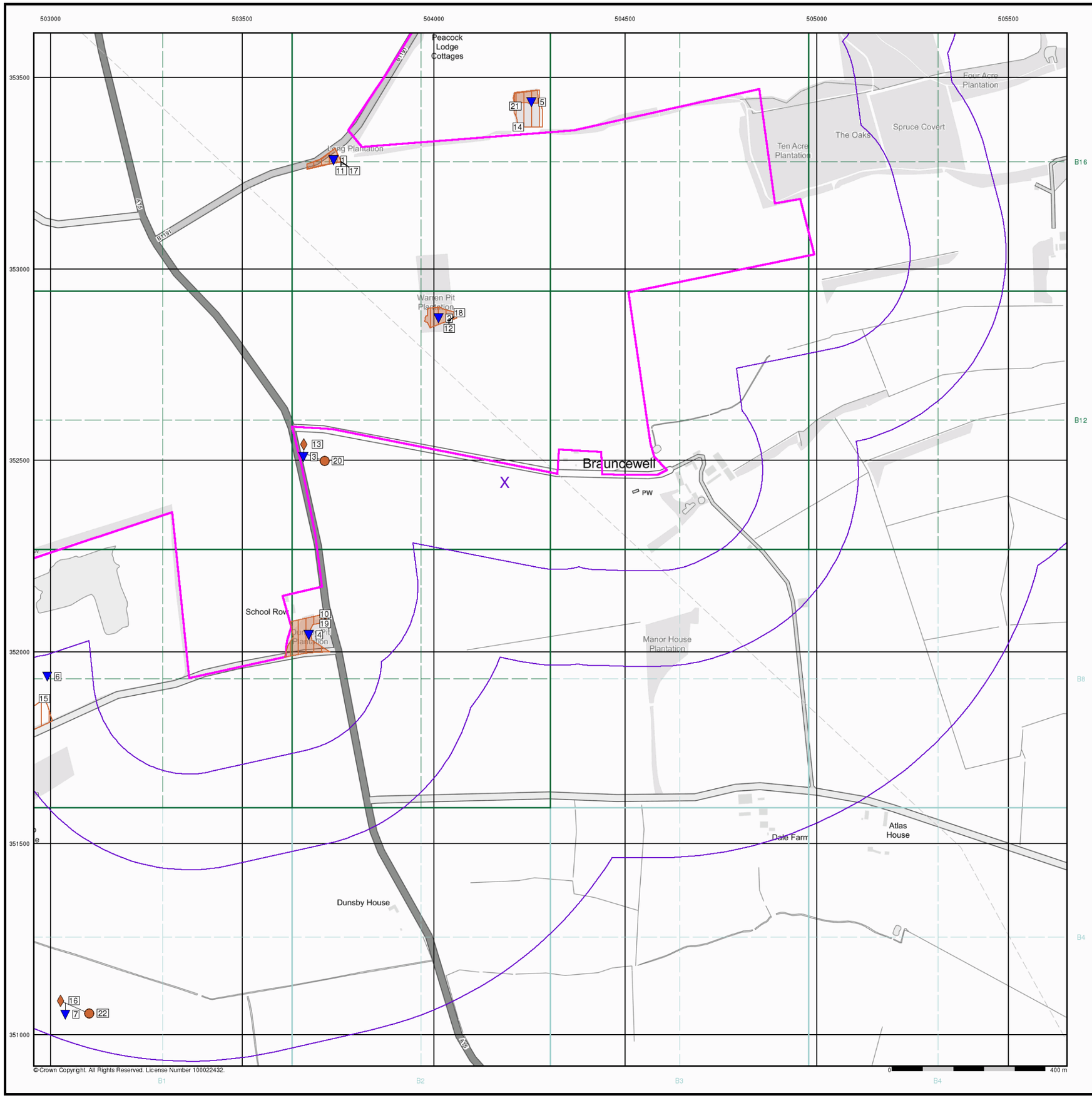
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

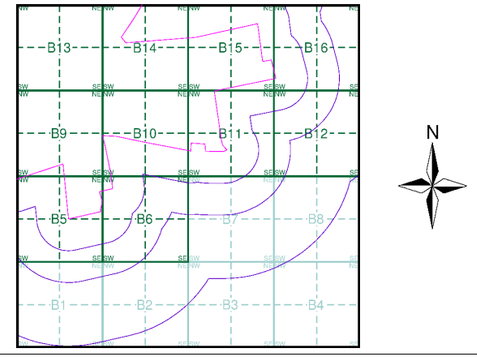
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice B



Order Details

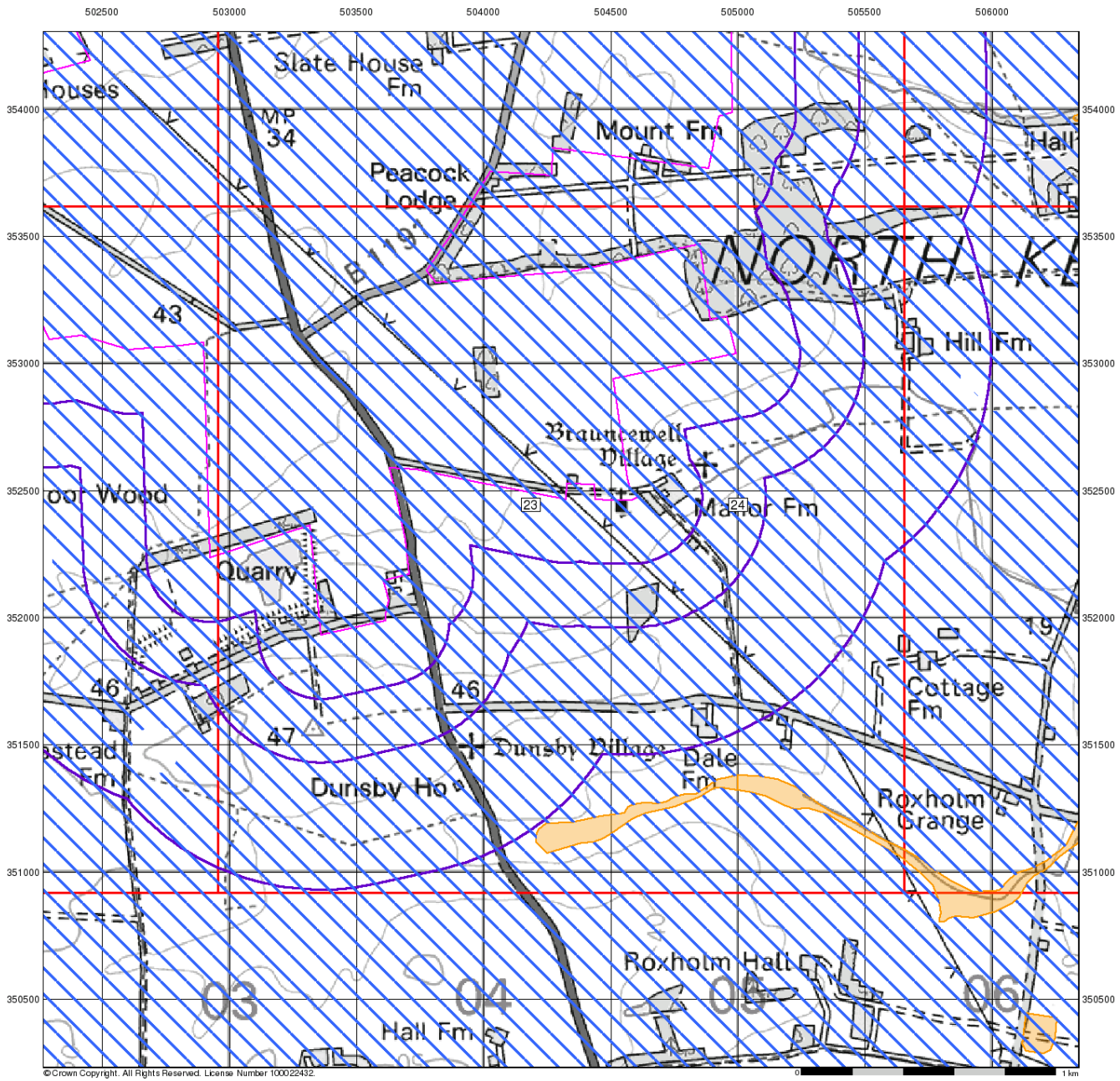
Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark® INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

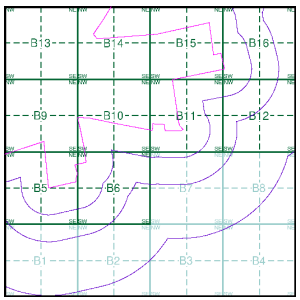
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice B



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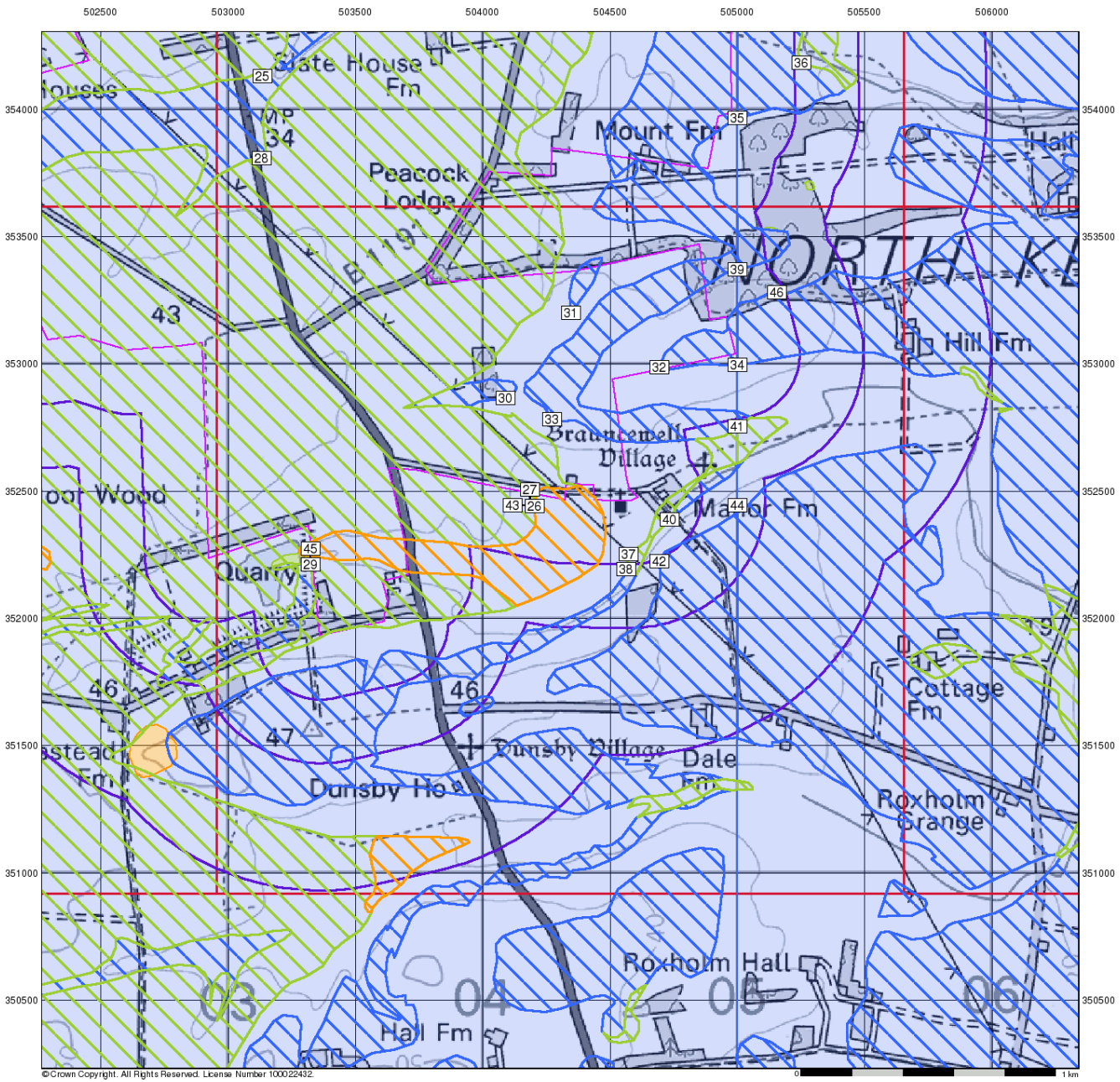

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

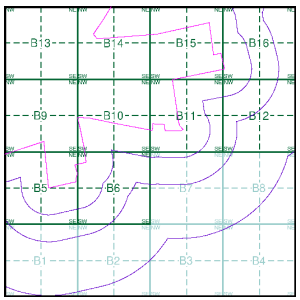
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice B



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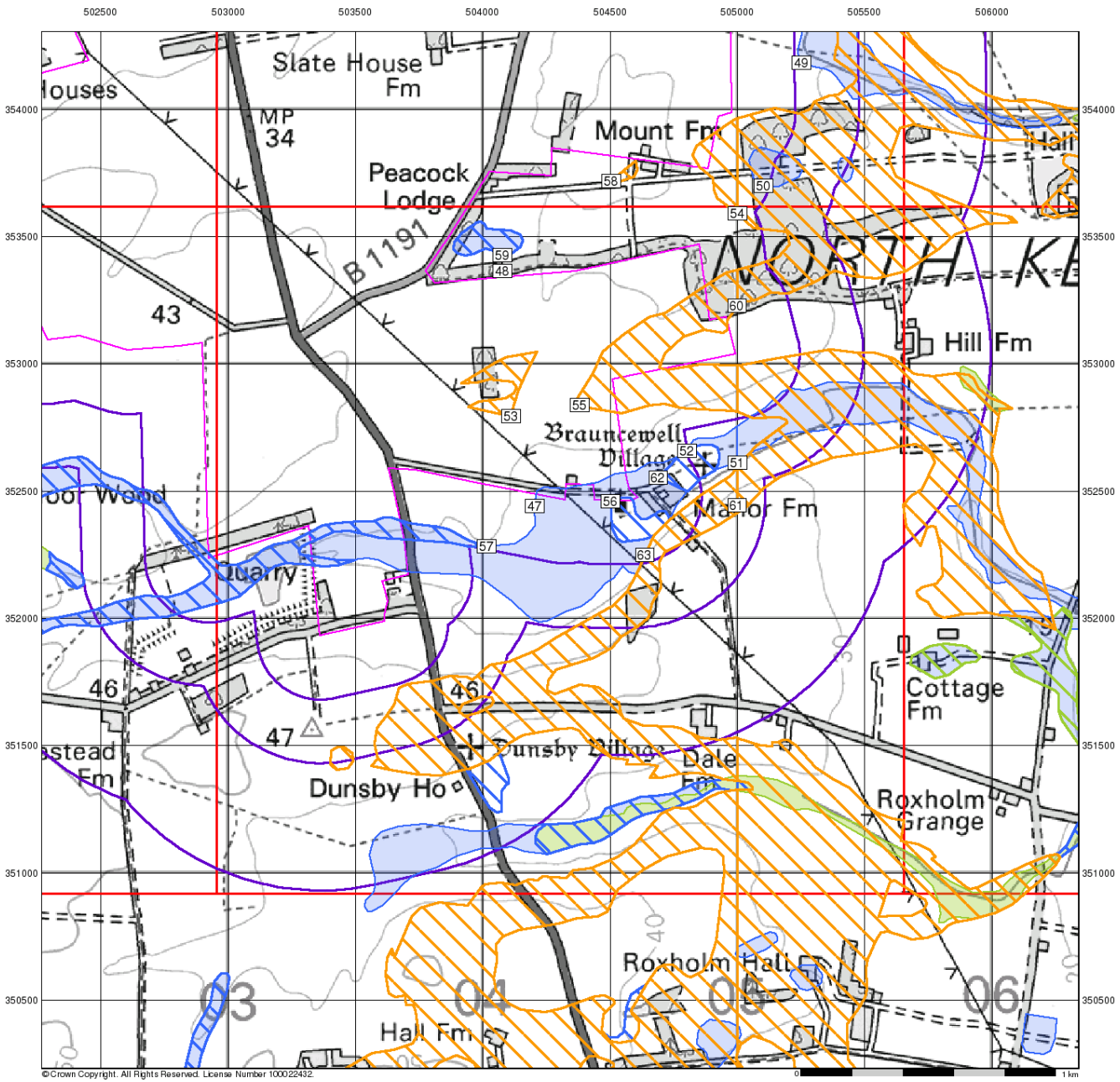

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

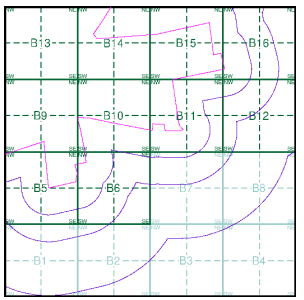
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice B



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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Electricity Transmission Line
Pole
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

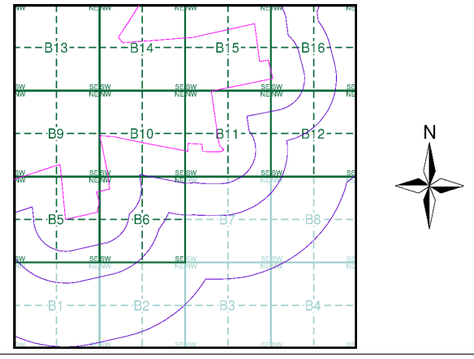
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1950	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1985	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice B



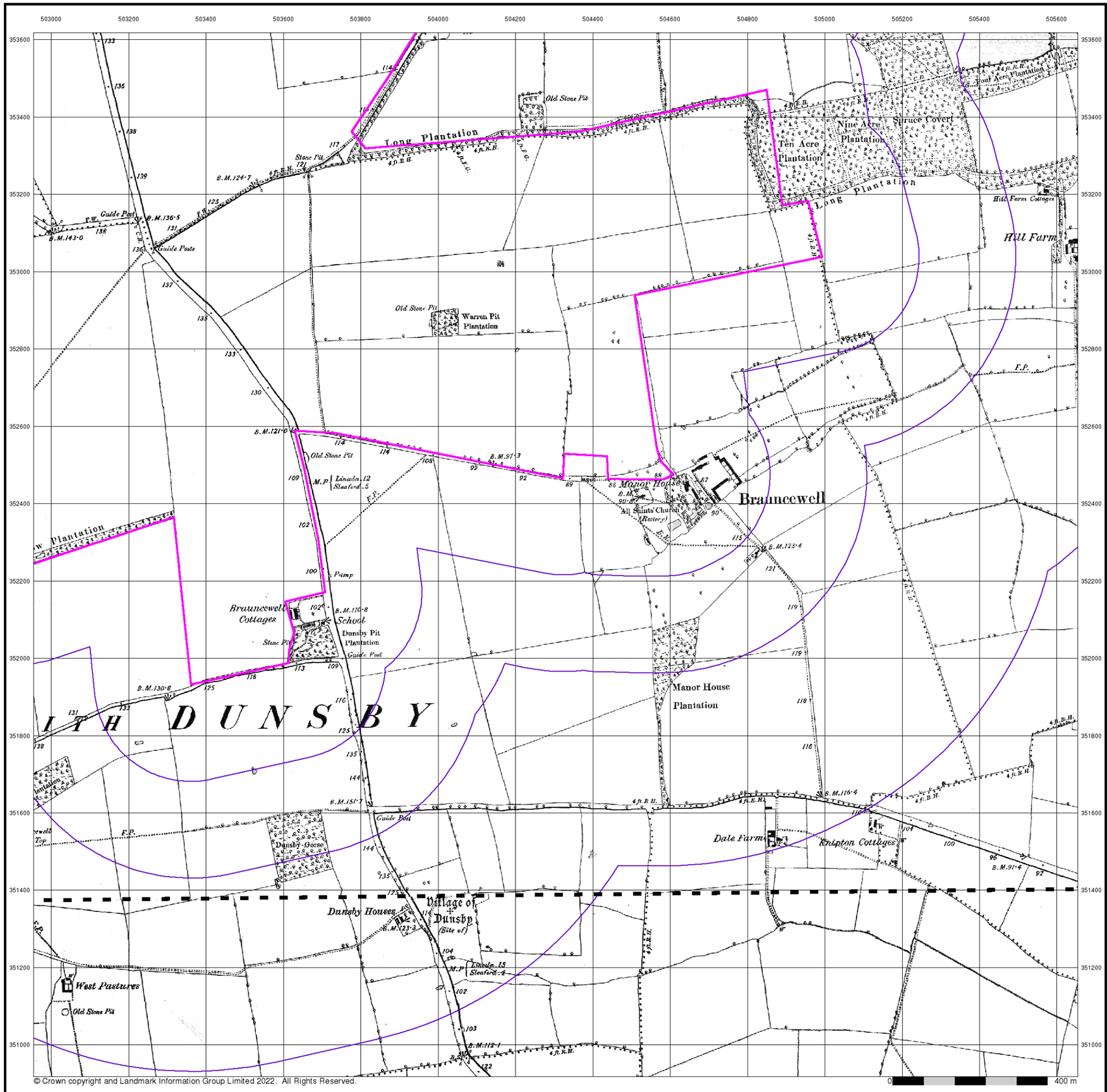
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504190, 352440
Slice: B
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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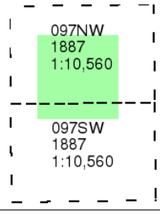
Lincolnshire

Published 1887

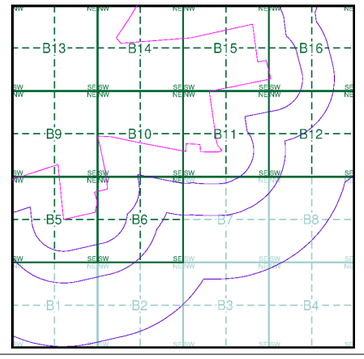
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

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Customer Ref:	P02130089
National Grid Reference:	504190, 352440
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Search Buffer (m):	1000

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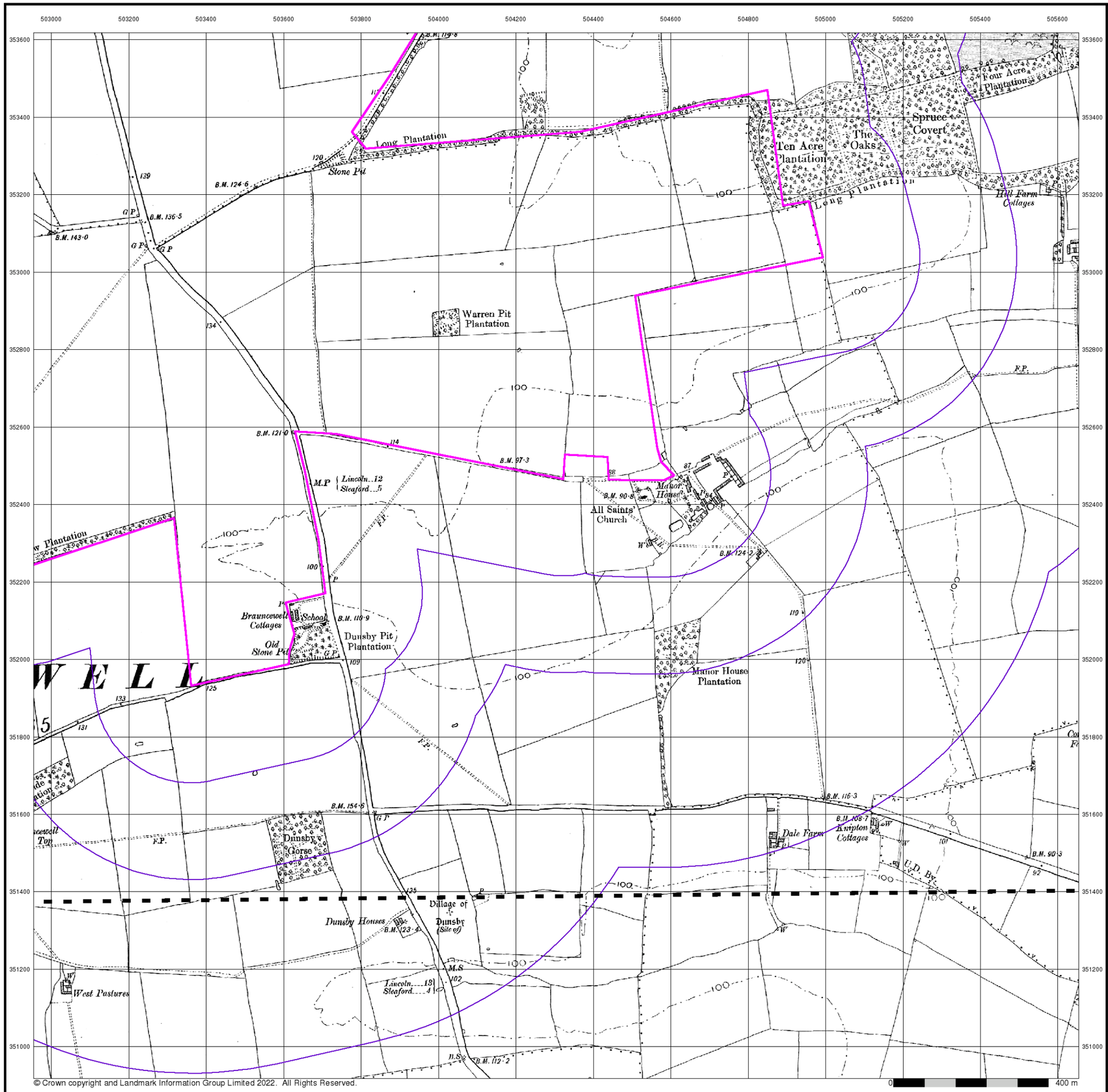

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RSK

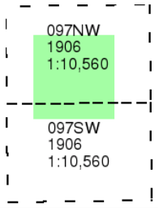
Lincolnshire

Published 1906

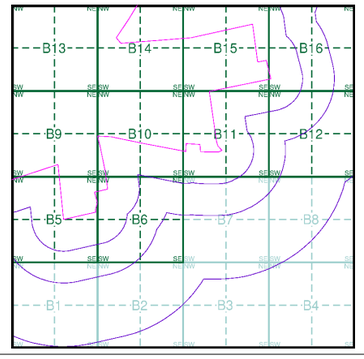
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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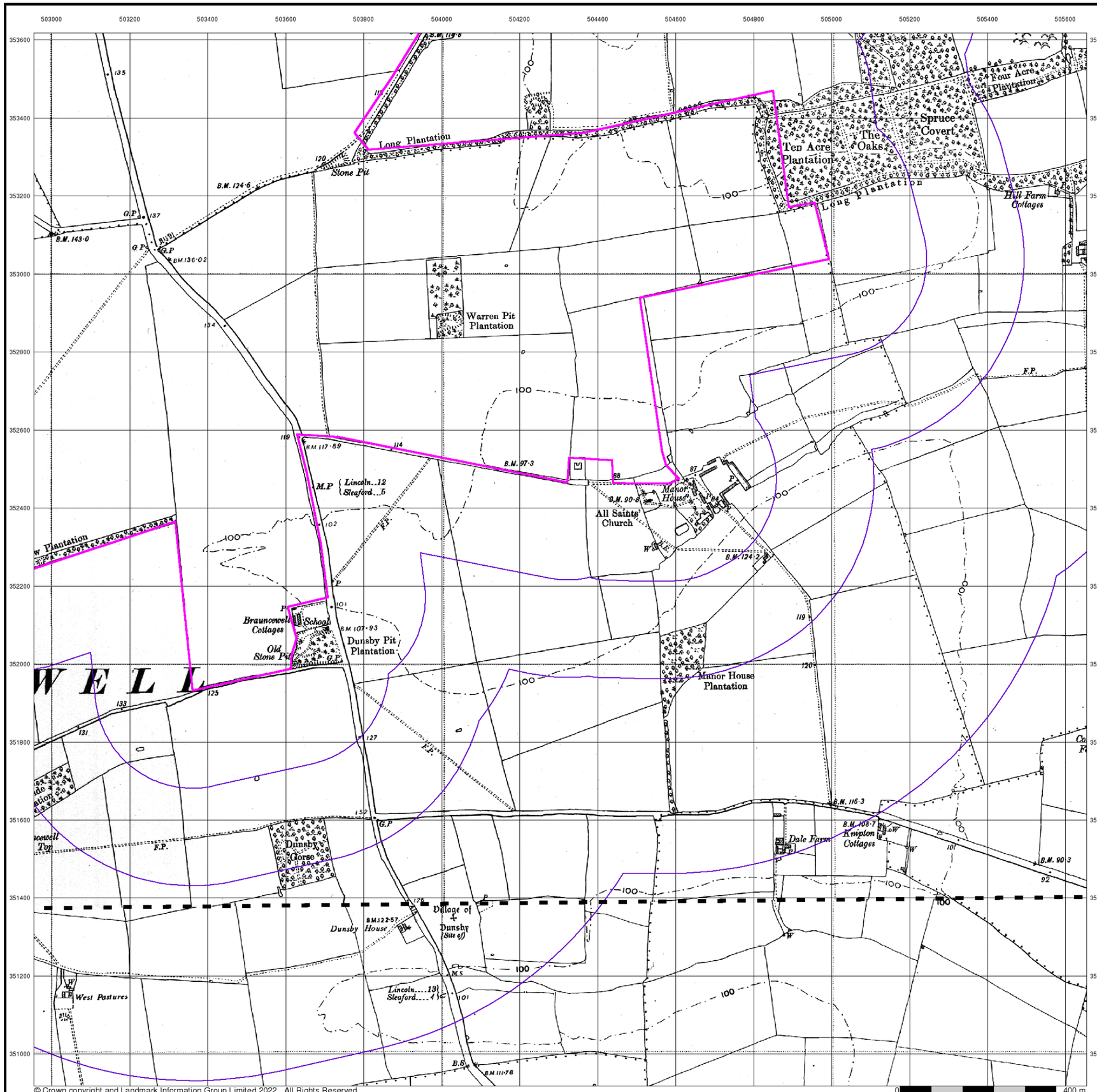
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1950

Source map scale - 1:10,560

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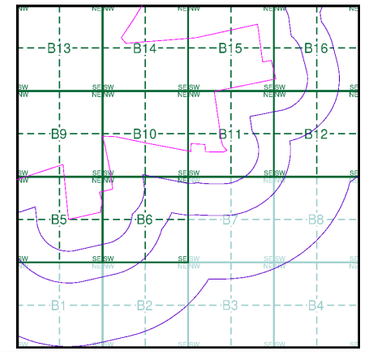
Map Name(s) and Date(s)

097NW
1950
1:10,560

097SW
1950
1:10,560

Historical Map - Slice B



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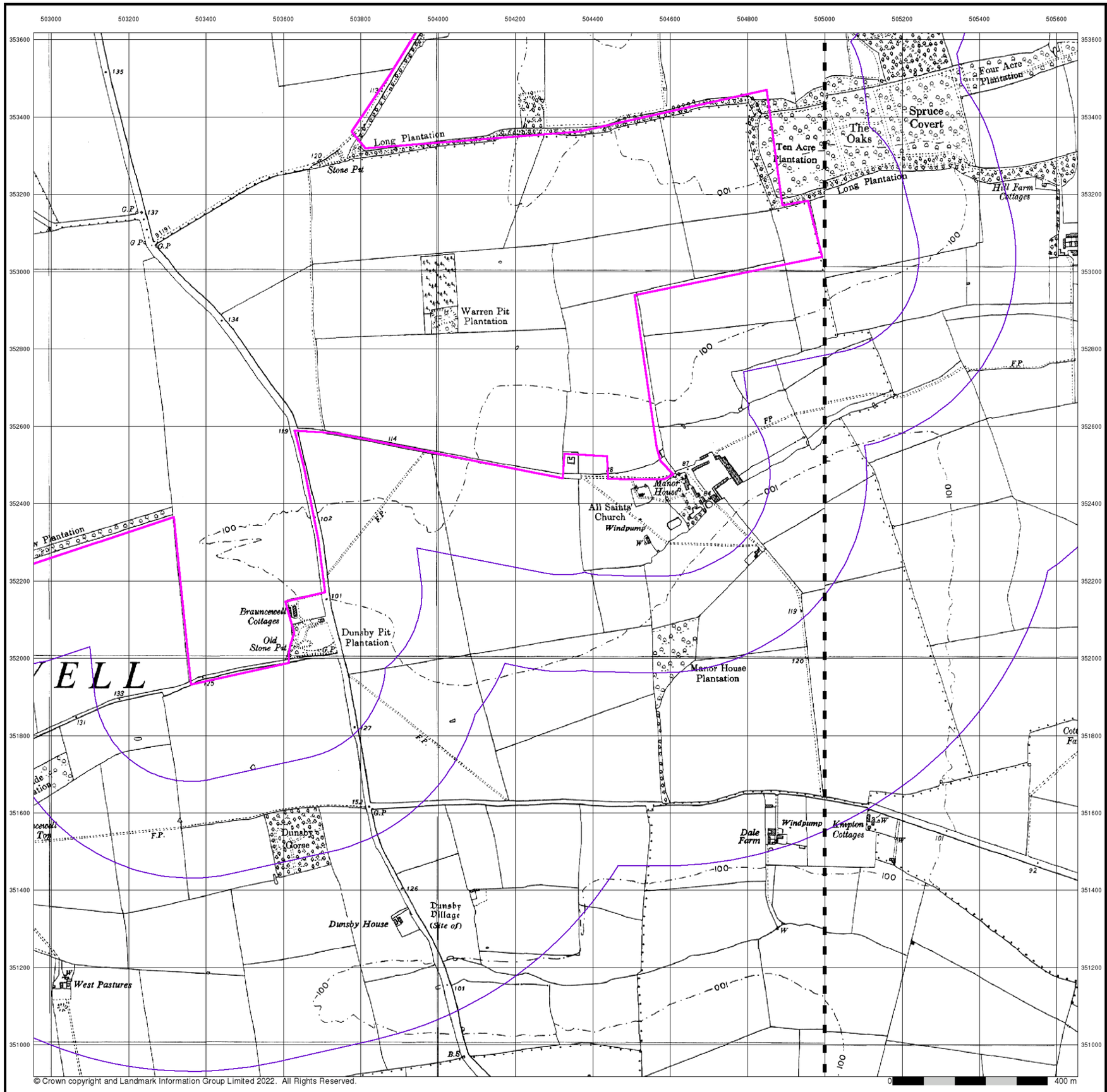

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RSK

Ordnance Survey Plan

Published 1956

Source map scale - 1:10,000

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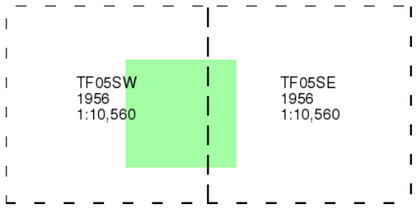
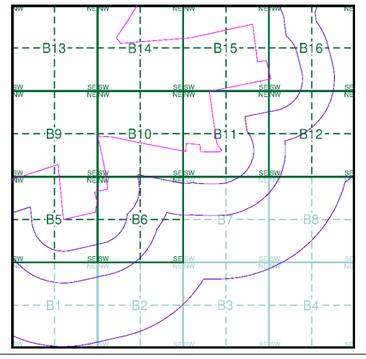
Map Name(s) and Date(s)



Historical Map - Slice B



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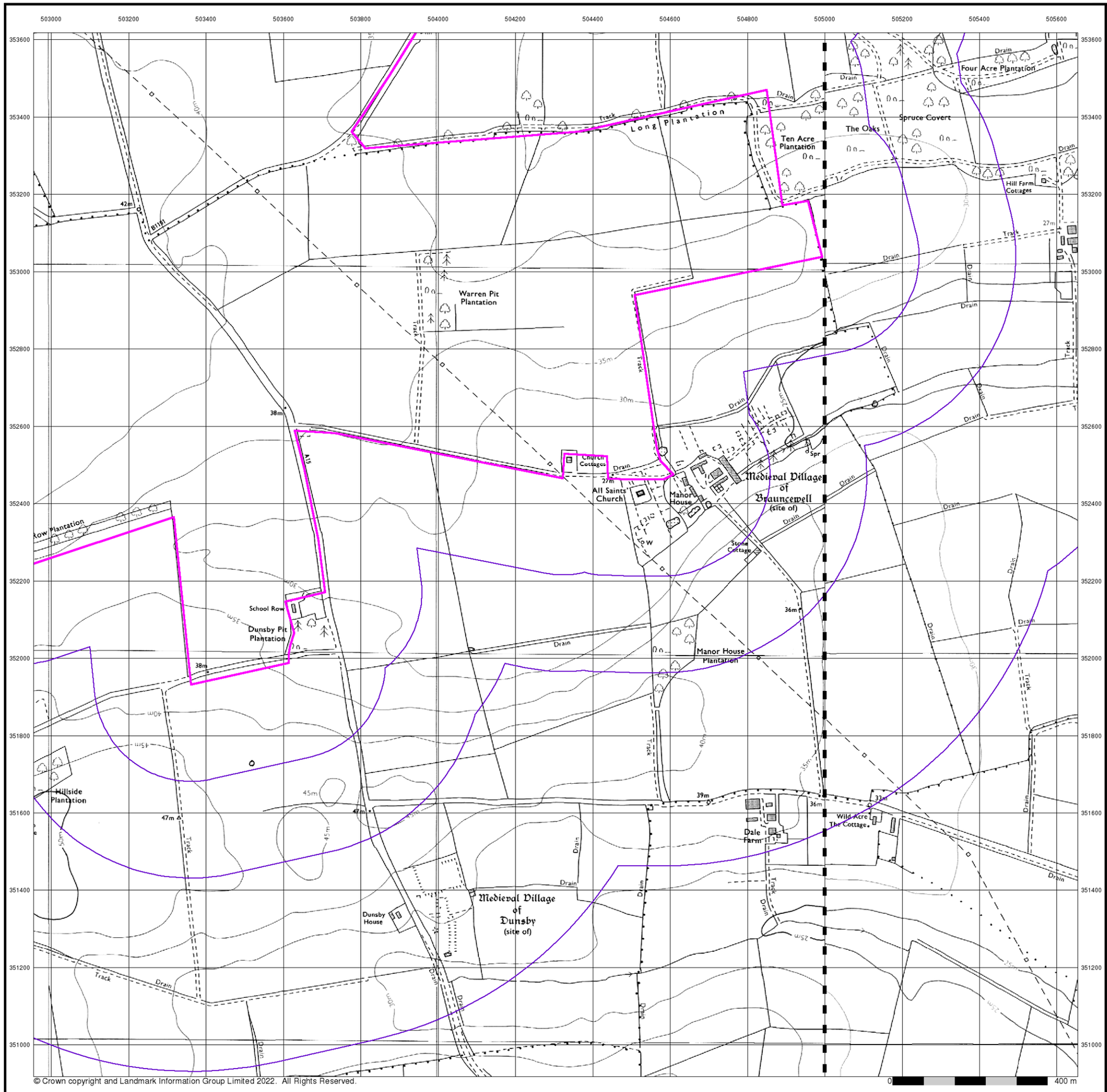


RSK

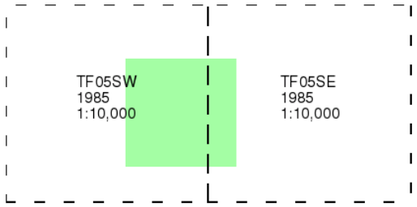
Ordnance Survey Plan

Published 1985

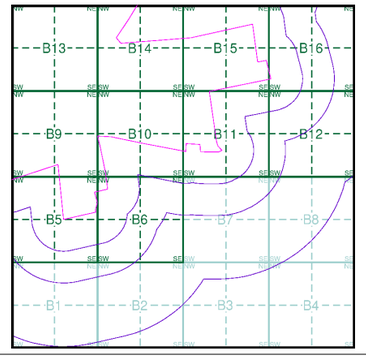
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice B



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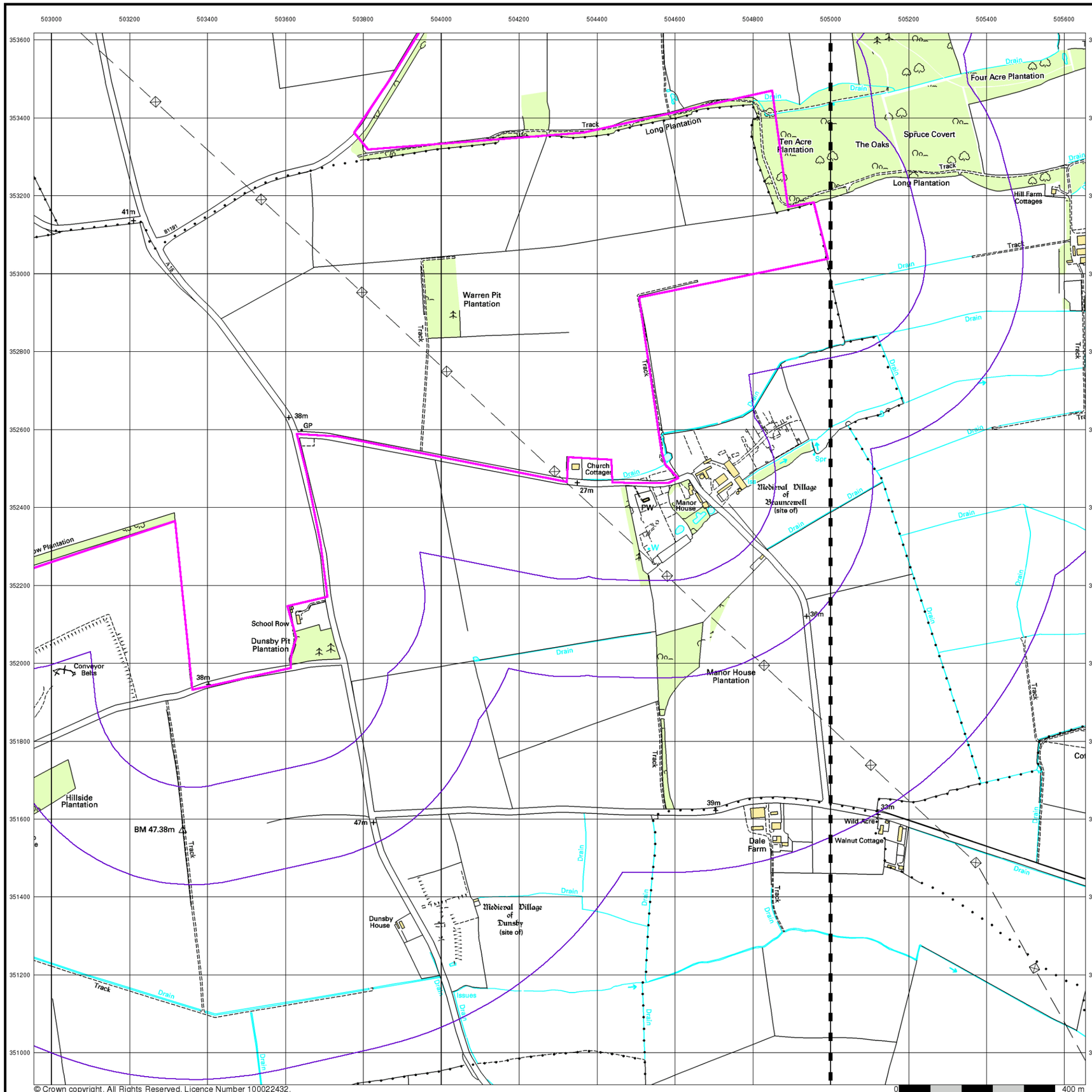

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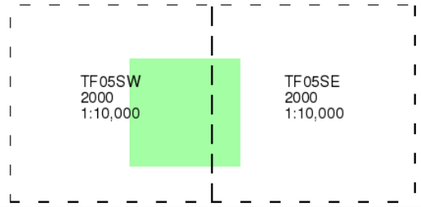
10k Raster Mapping

Published 2000

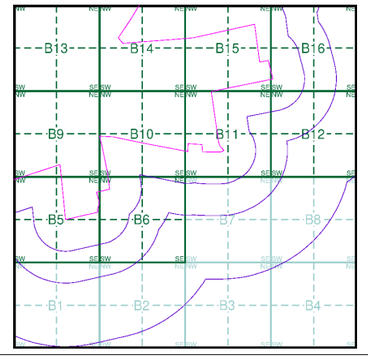
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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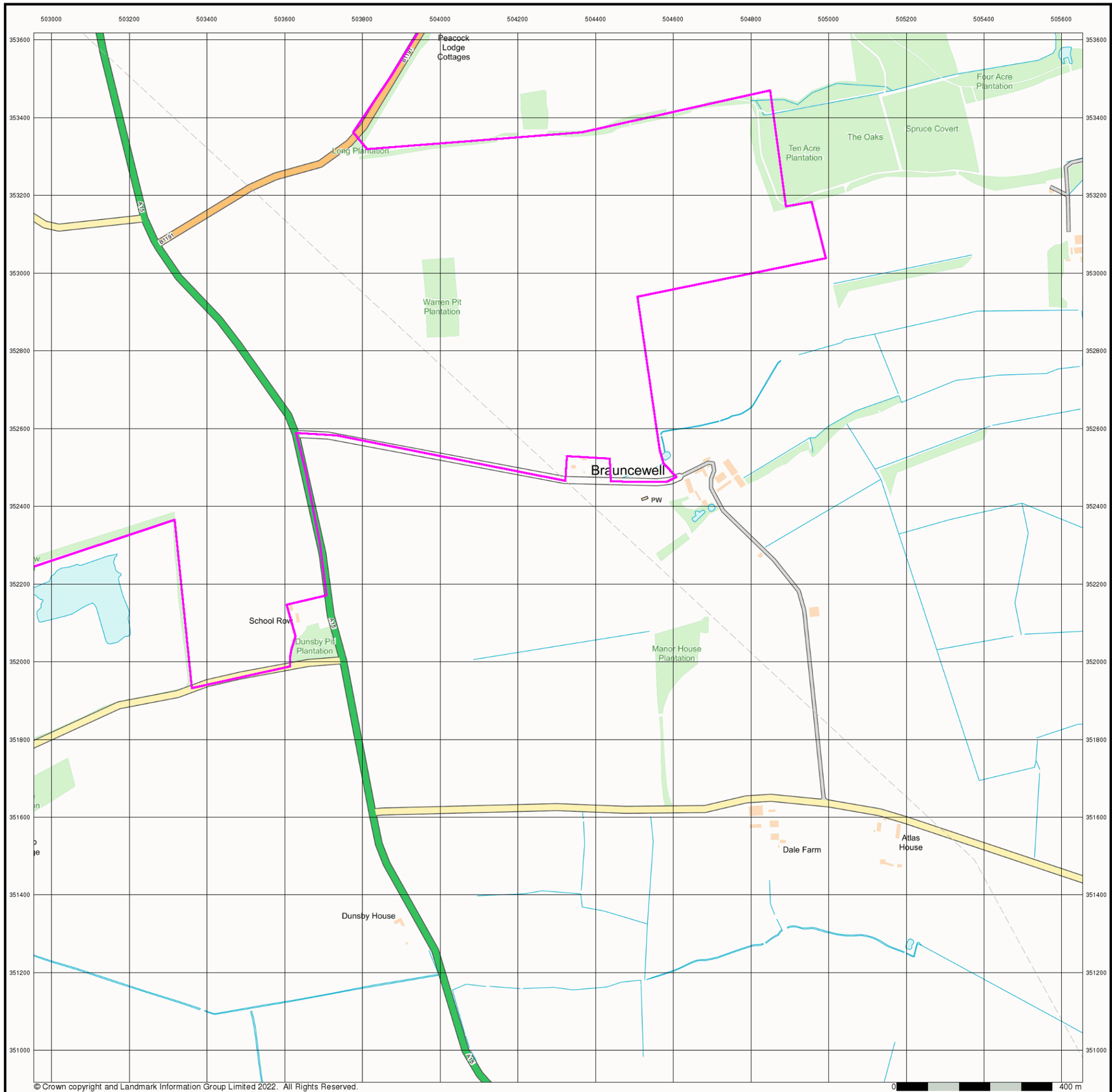


RSK

Street View

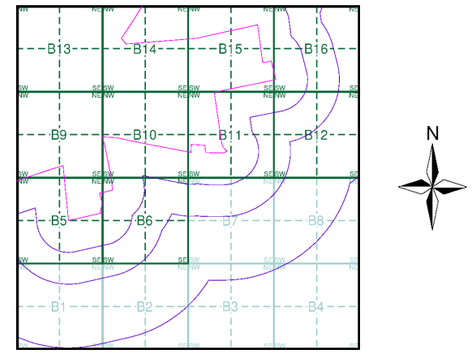
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice B



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Site Details

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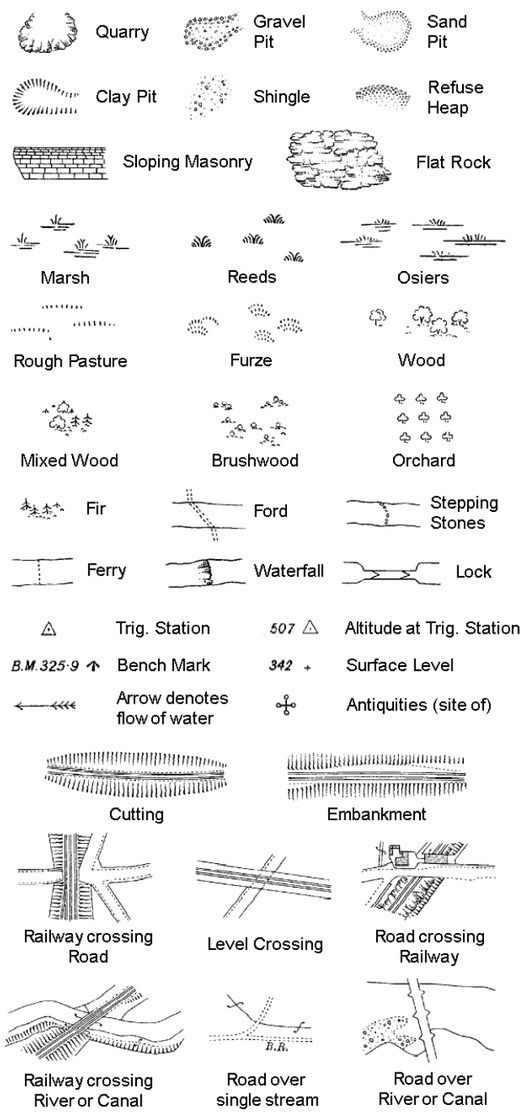
Historical Mapping Legends

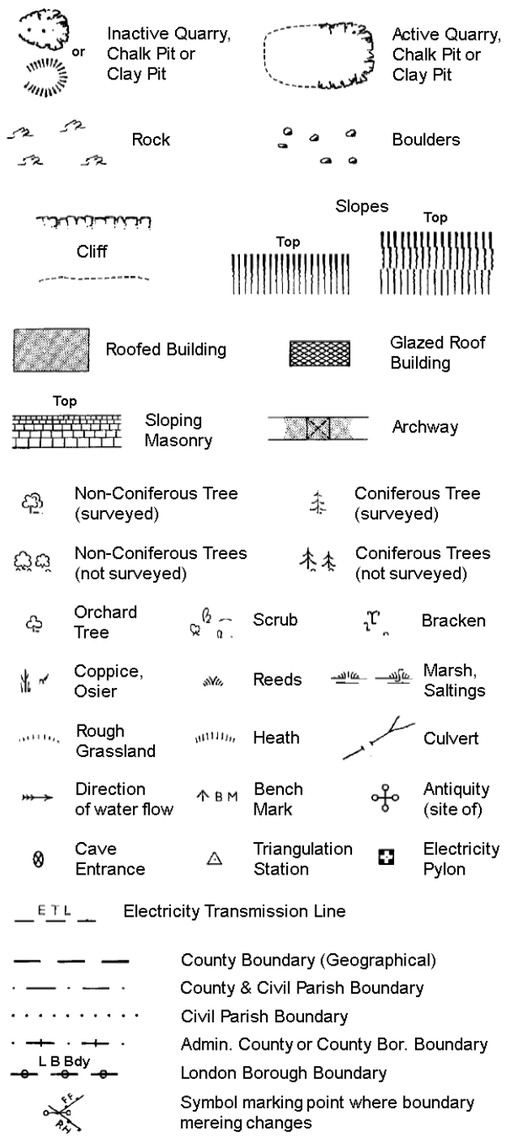
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

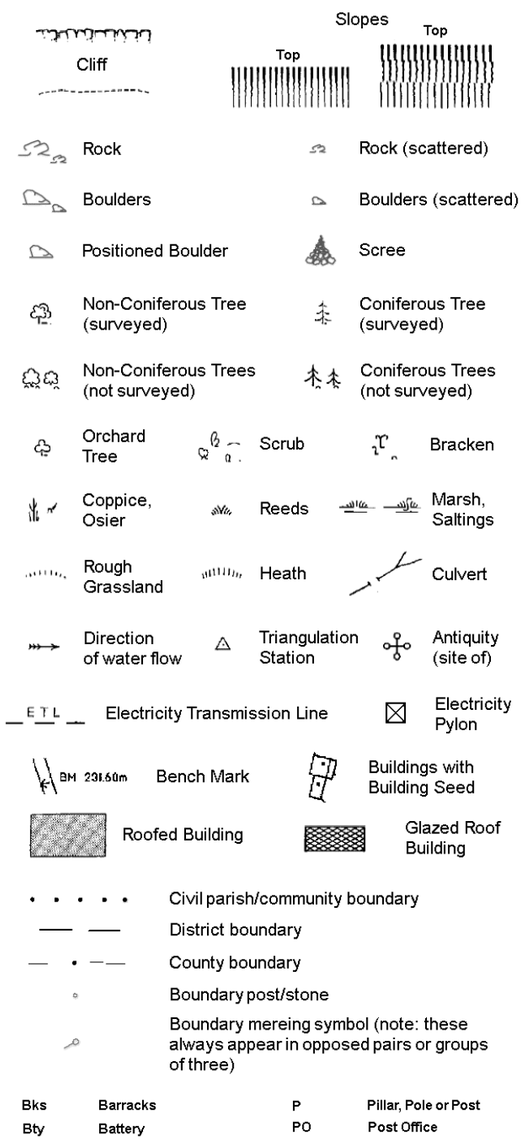
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

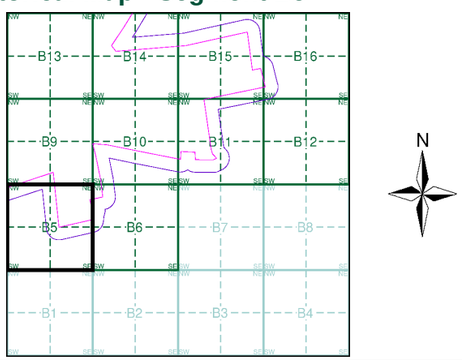
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979 - 1980	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment B5



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504190, 352440
Slice: B
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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503000 503200 503400 503600

352200 352000 351800 351600

74
43·410

Brauncewell Cottages

Stone Pit

118

125

B.M. 130·8

133

131

I T H D U N

138

75
13·681

73
43·637

Plant ation

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0 100 m

RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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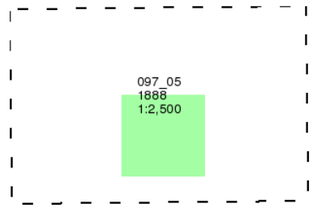
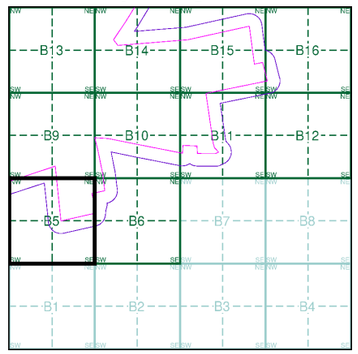
Map Name(s) and Date(s)



Historical Map - Segment B5



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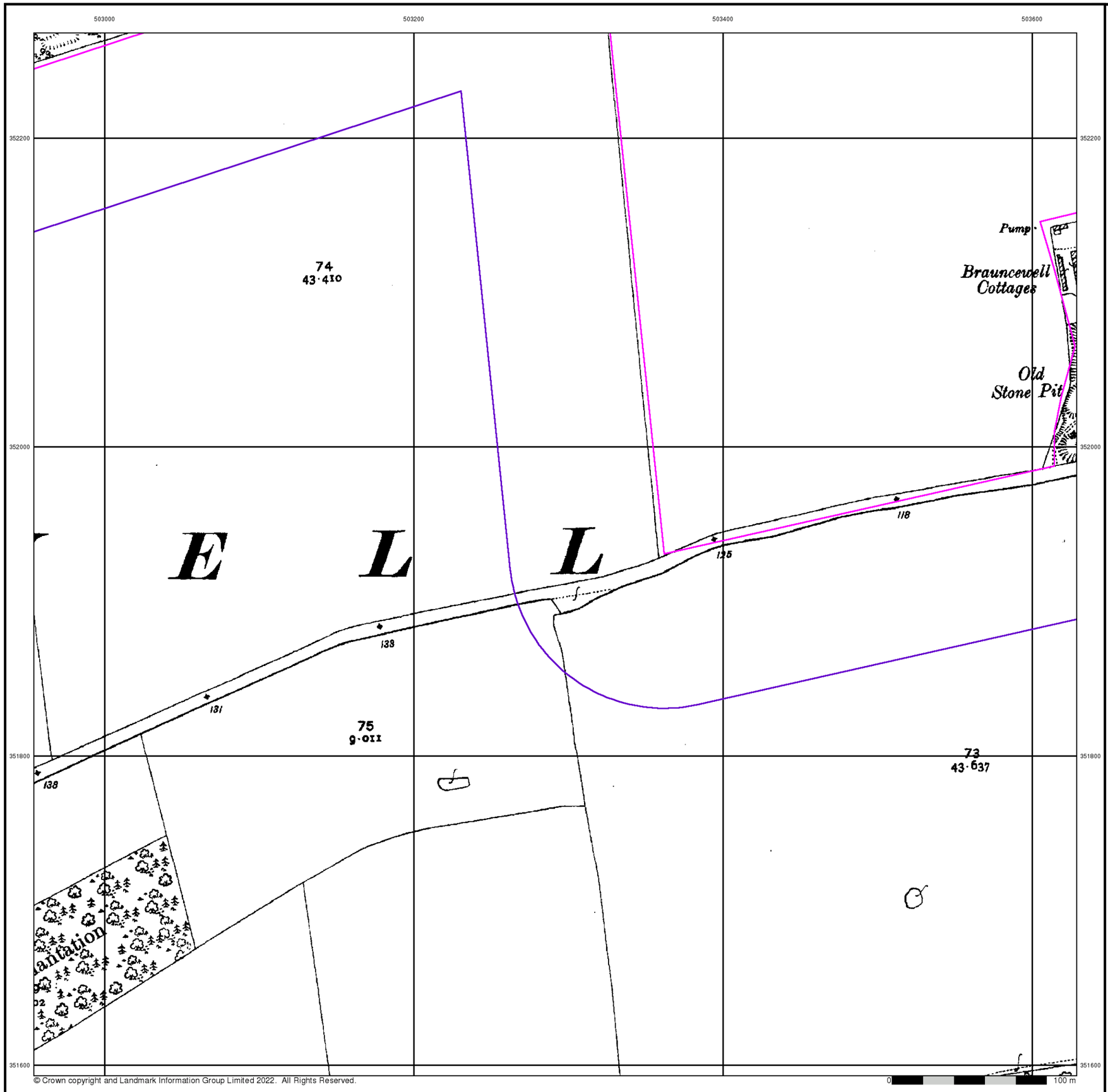

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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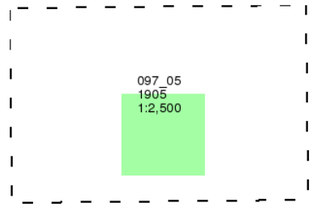
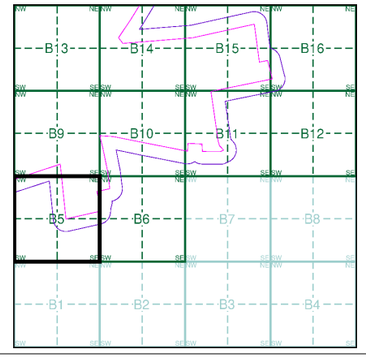


Historical Map - Segment B5



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503000 503200 503400 503600

352200 352200

352000 352000

351800 351800

351600 351600

0005
18·752ha
46·34

0005
15·170ha
37·49

0900
·847ha
2·09

Dunsby Pit Plantation

37·6m

45·3m

47·1m

Pond

0 100 m

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RSK

Ordnance Survey Plan

Published 1979 - 1980

Source map scale - 1:2,500

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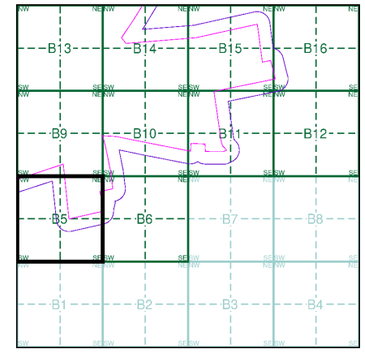
Map Name(s) and Date(s)

TF0252 1979 1:2,500 | TF0352 1979 1:2,500

TF0251 1980 1:2,500 | TF0351 1980 1:2,500

Historical Map - Segment B5



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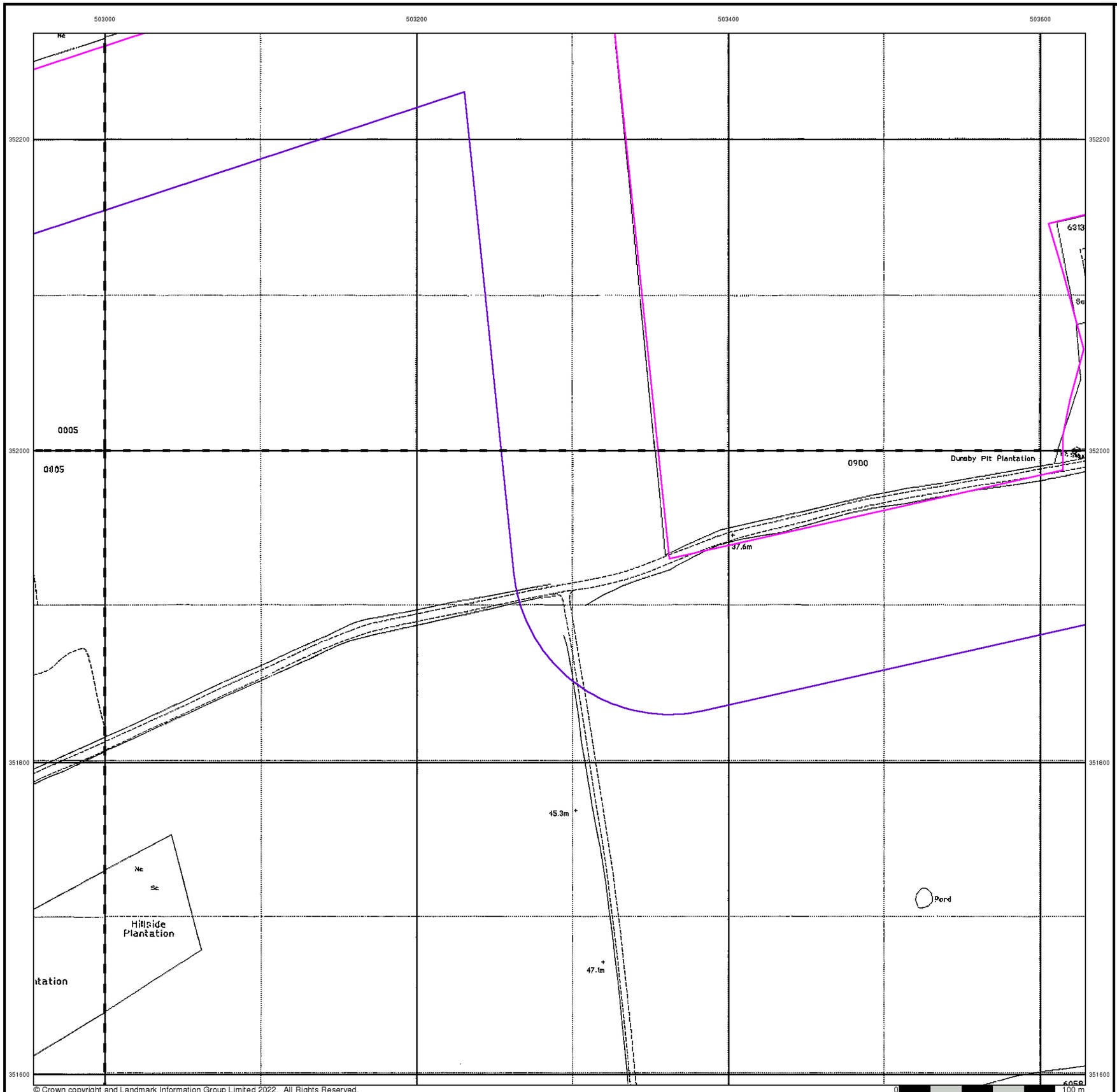


Large-Scale National Grid Data

Published 1994

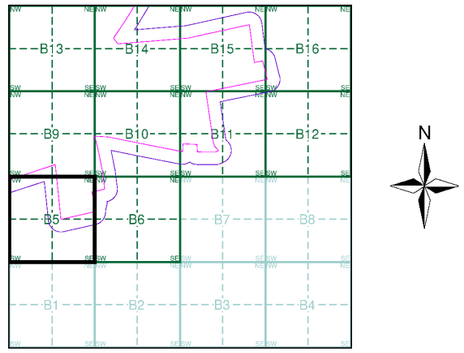
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TF0252 1994 1:2,500	TF0352 1994 1:2,500
TF0251 1994 1:2,500	TF0351 1994 1:2,500

Historical Map - Segment B5



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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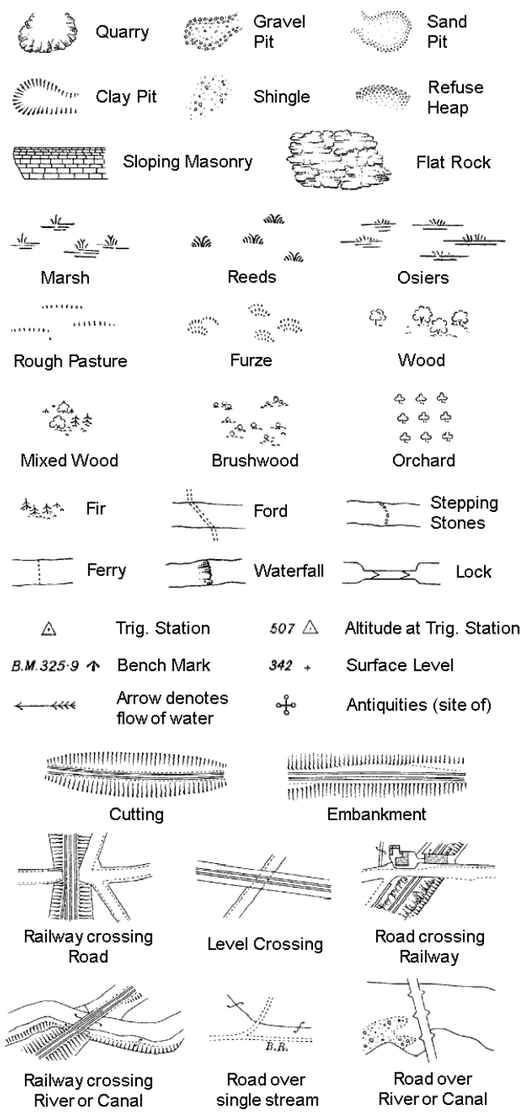
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

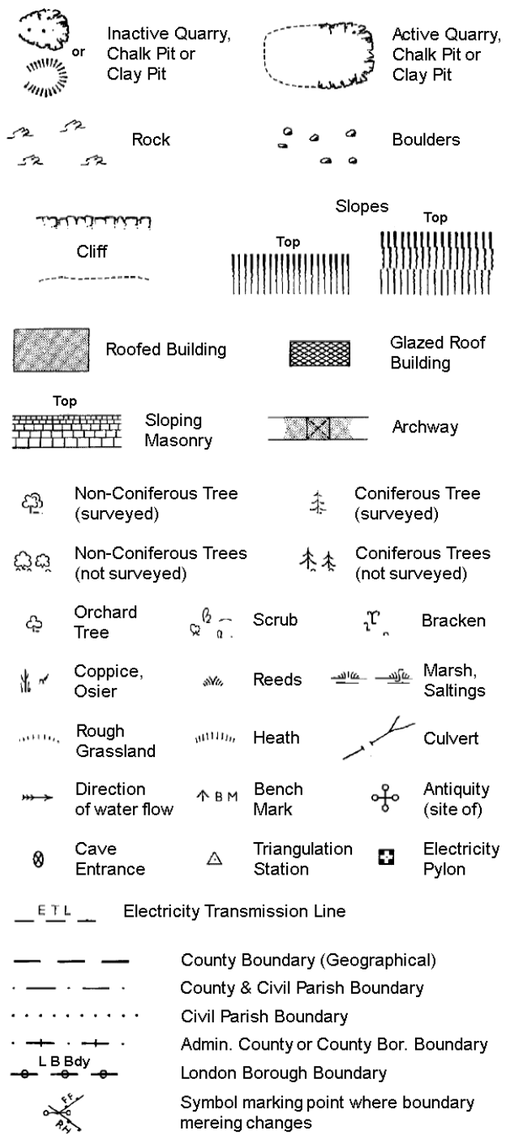
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

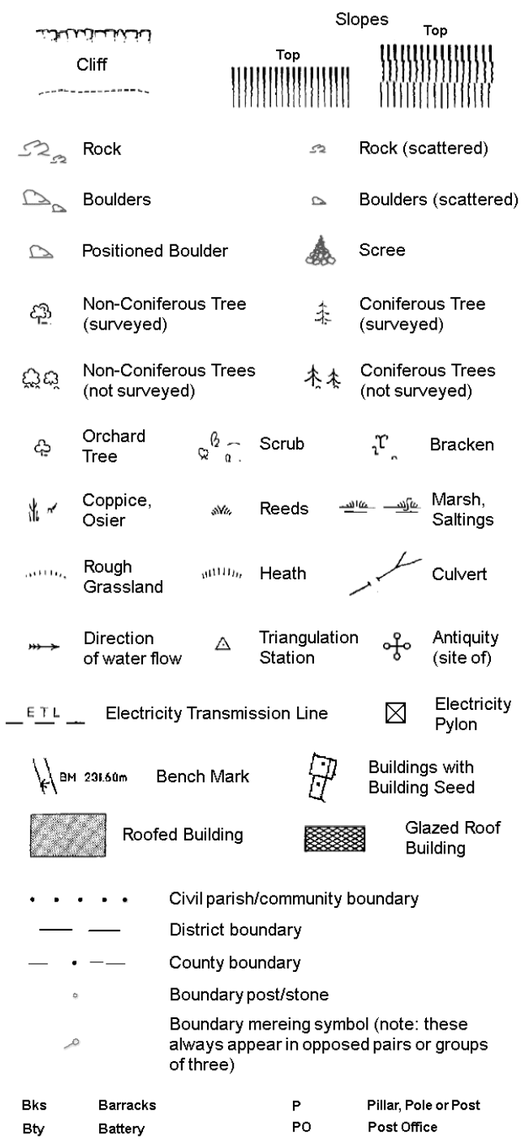
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

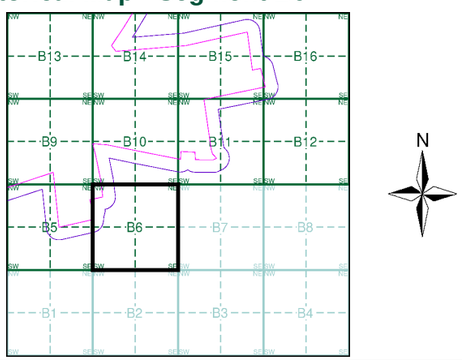
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979 - 1980	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment B6



Order Details

Order Number: 303381609_1_1
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Slice: B
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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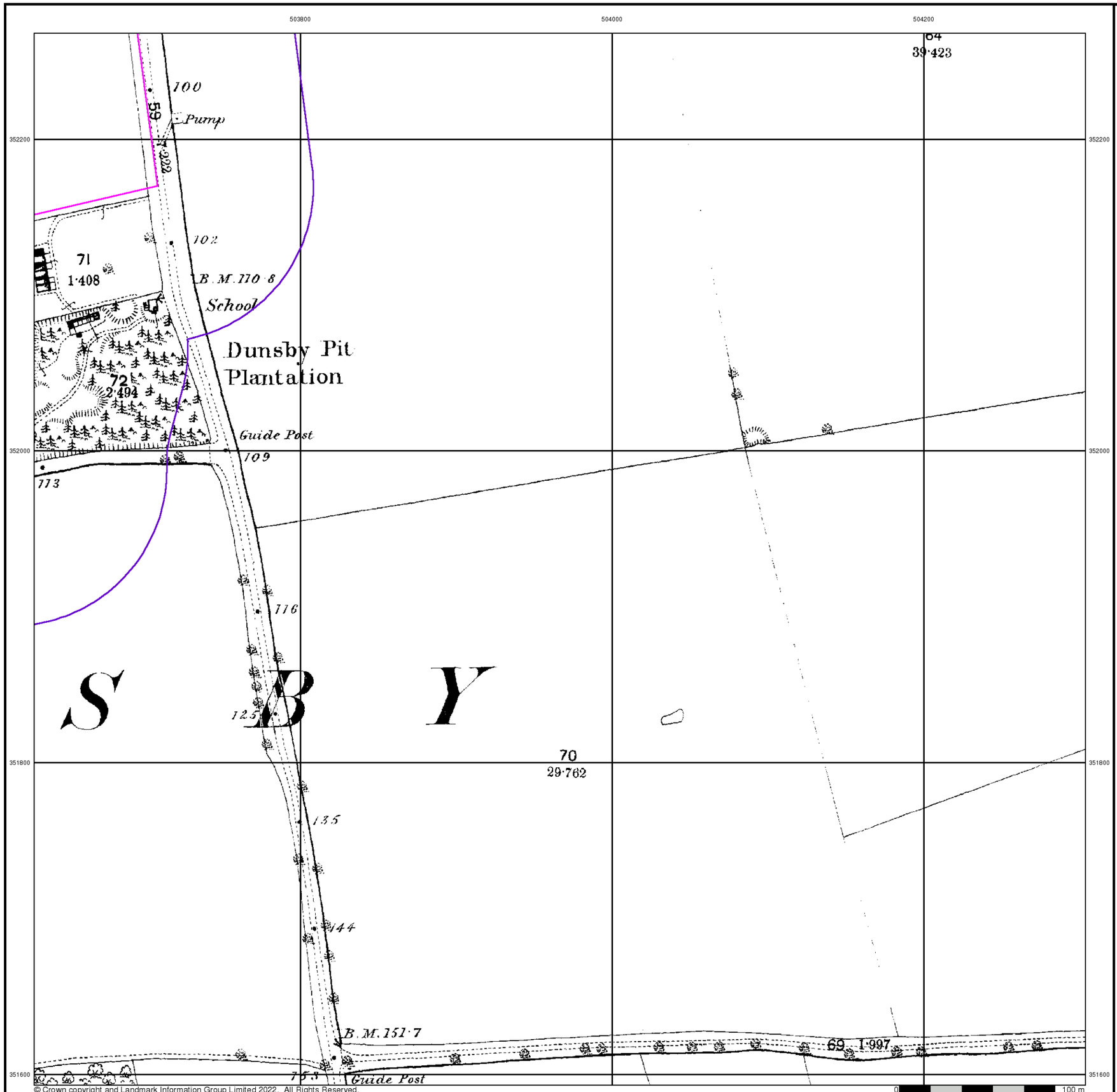

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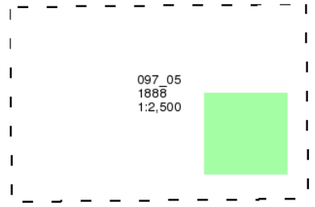
Lincolnshire

Published 1888

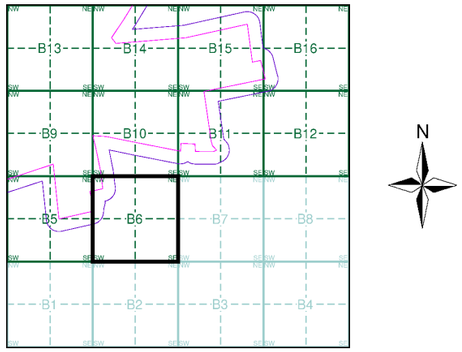
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment B6



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Lincolnshire

Published 1905

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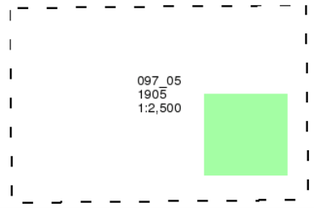
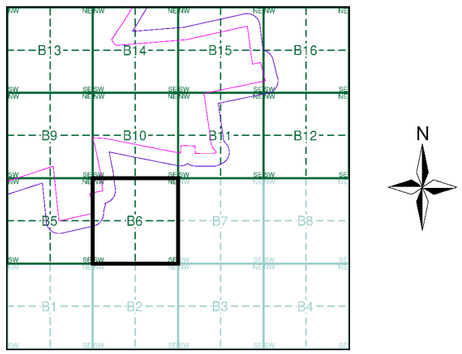


Historical Map - Segment B6



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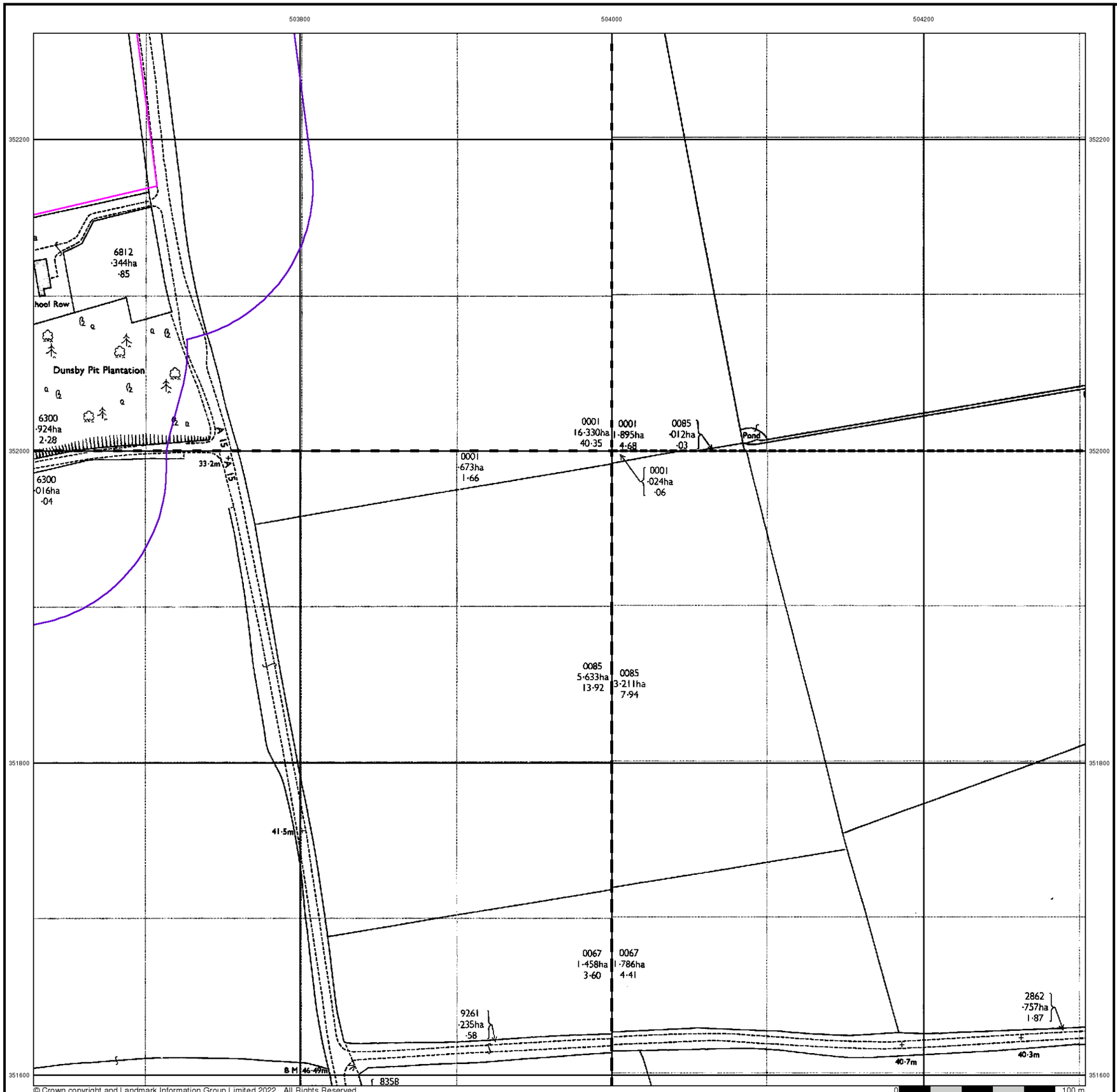

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Ordnance Survey Plan

Published 1979 - 1980

Source map scale - 1:2,500

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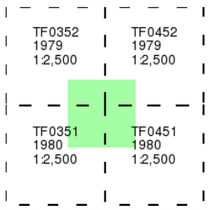
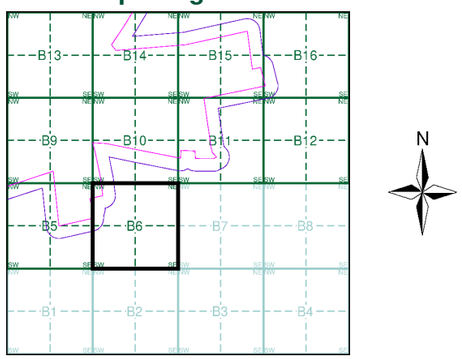


Historical Map - Segment B6



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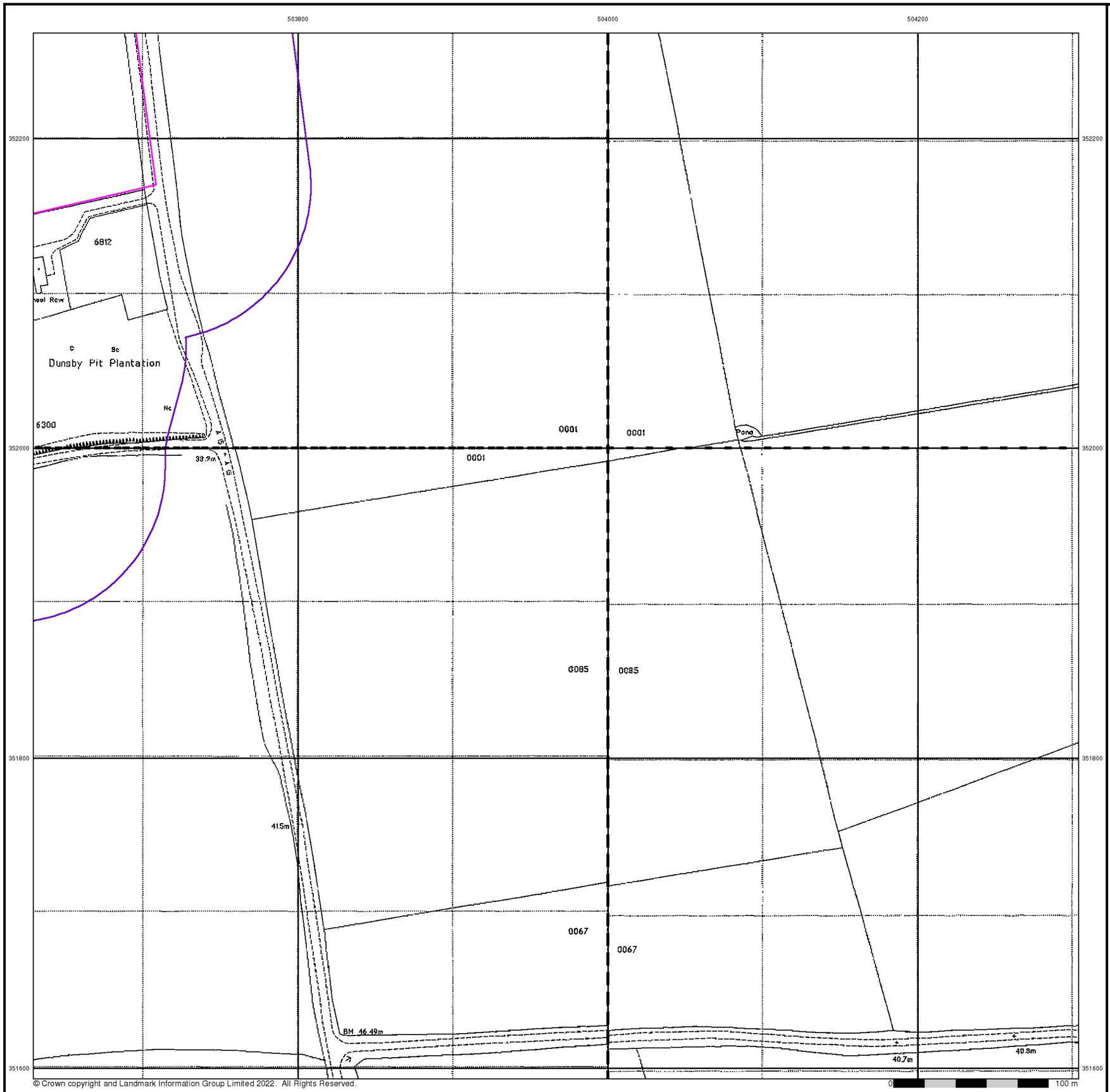

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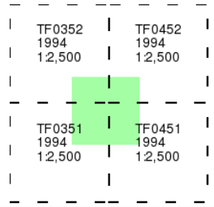
Large-Scale National Grid Data

Published 1994

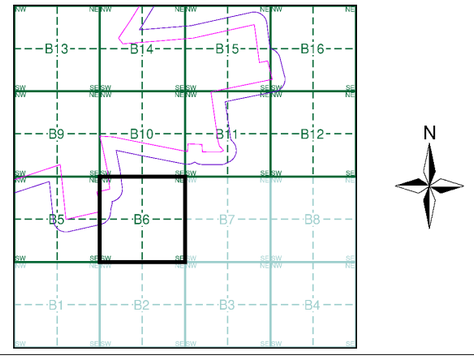
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment B6



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Site Area (Ha):	1774.17
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Site Details

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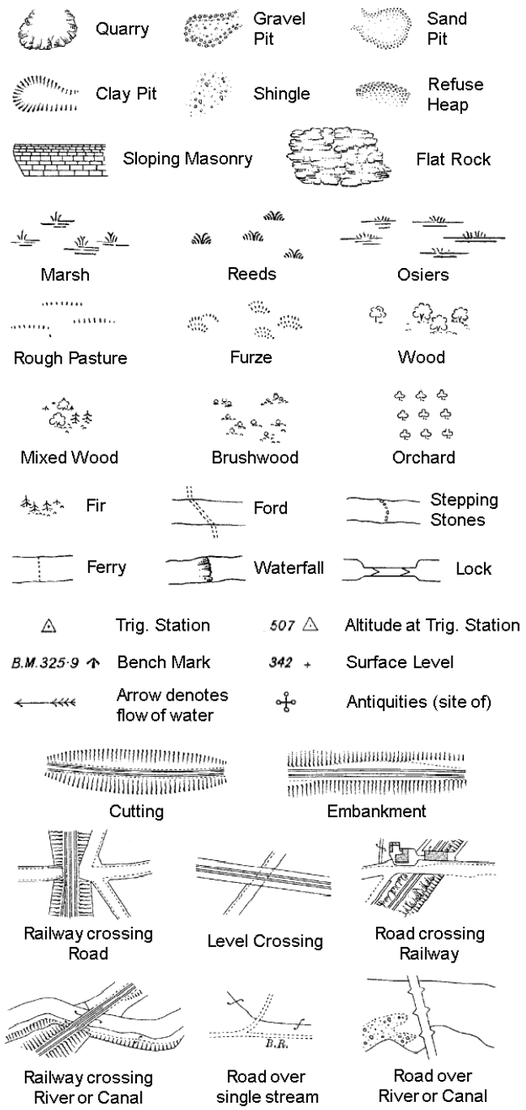
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
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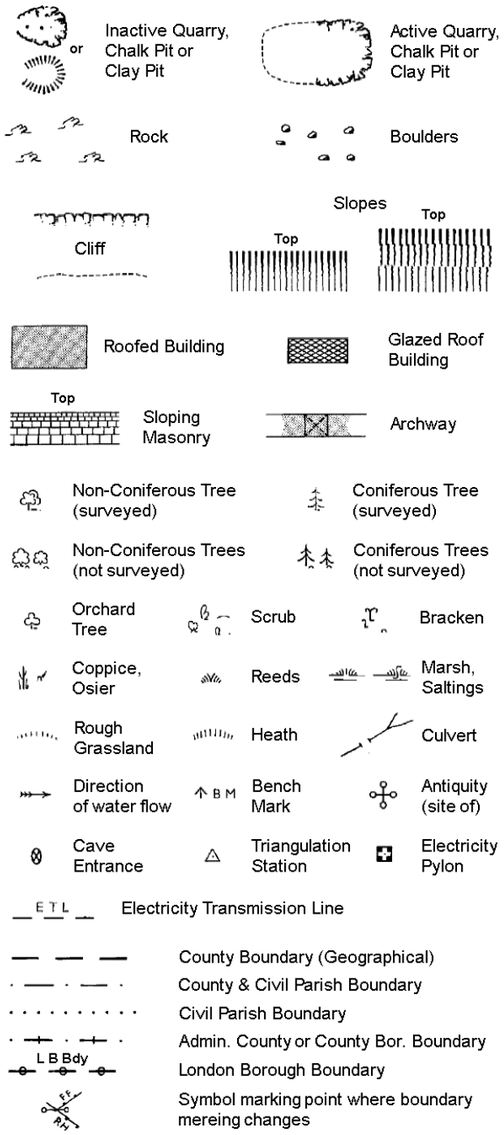
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
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Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
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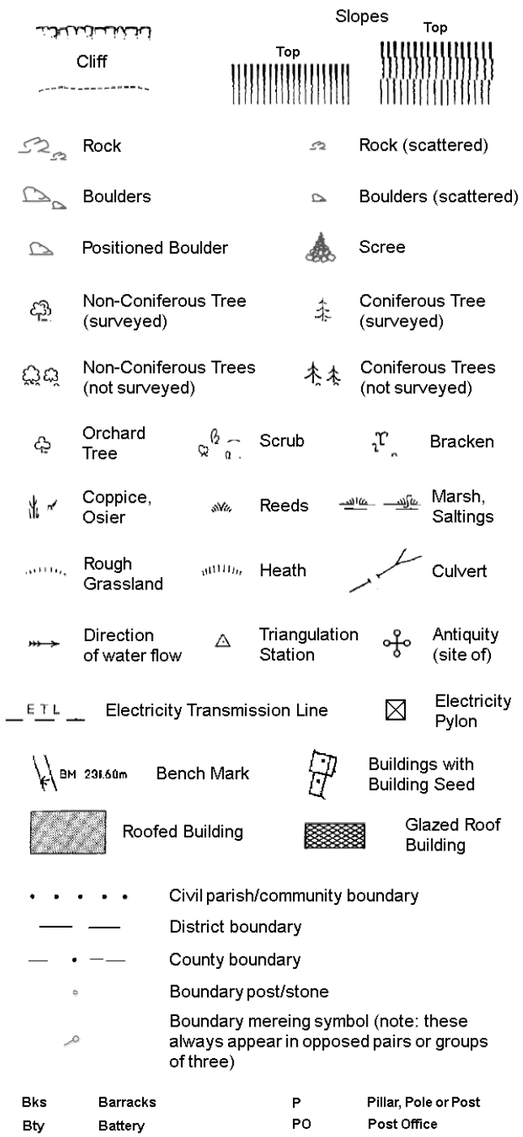
Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
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Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
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Gas Gov	Gas Valve Compound	Tr	Trough
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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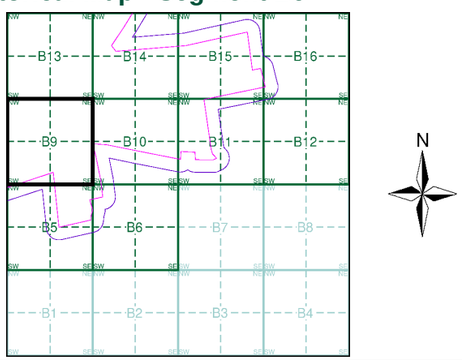
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment B9



Order Details

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Search Buffer (m): 100

Site Details

All Areas New

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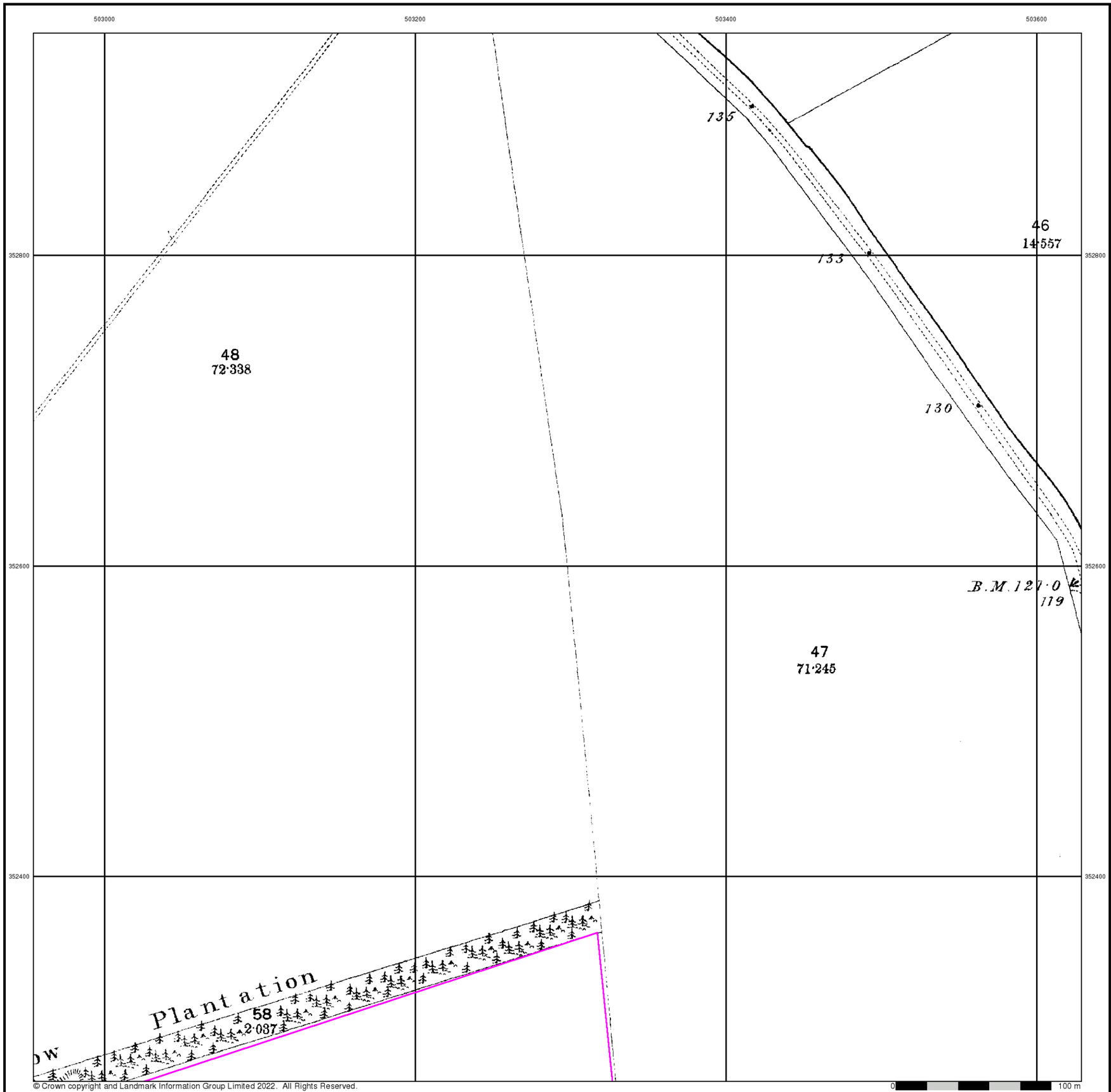

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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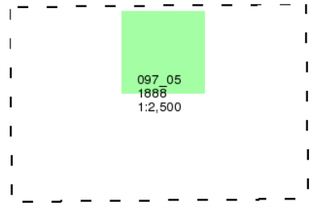
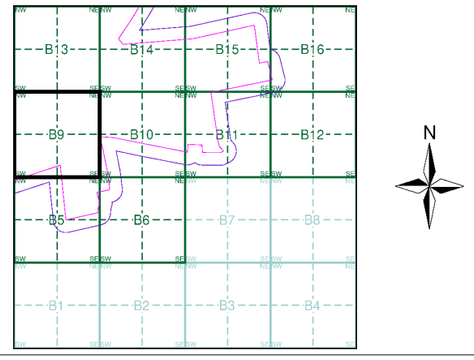


Historical Map - Segment B9



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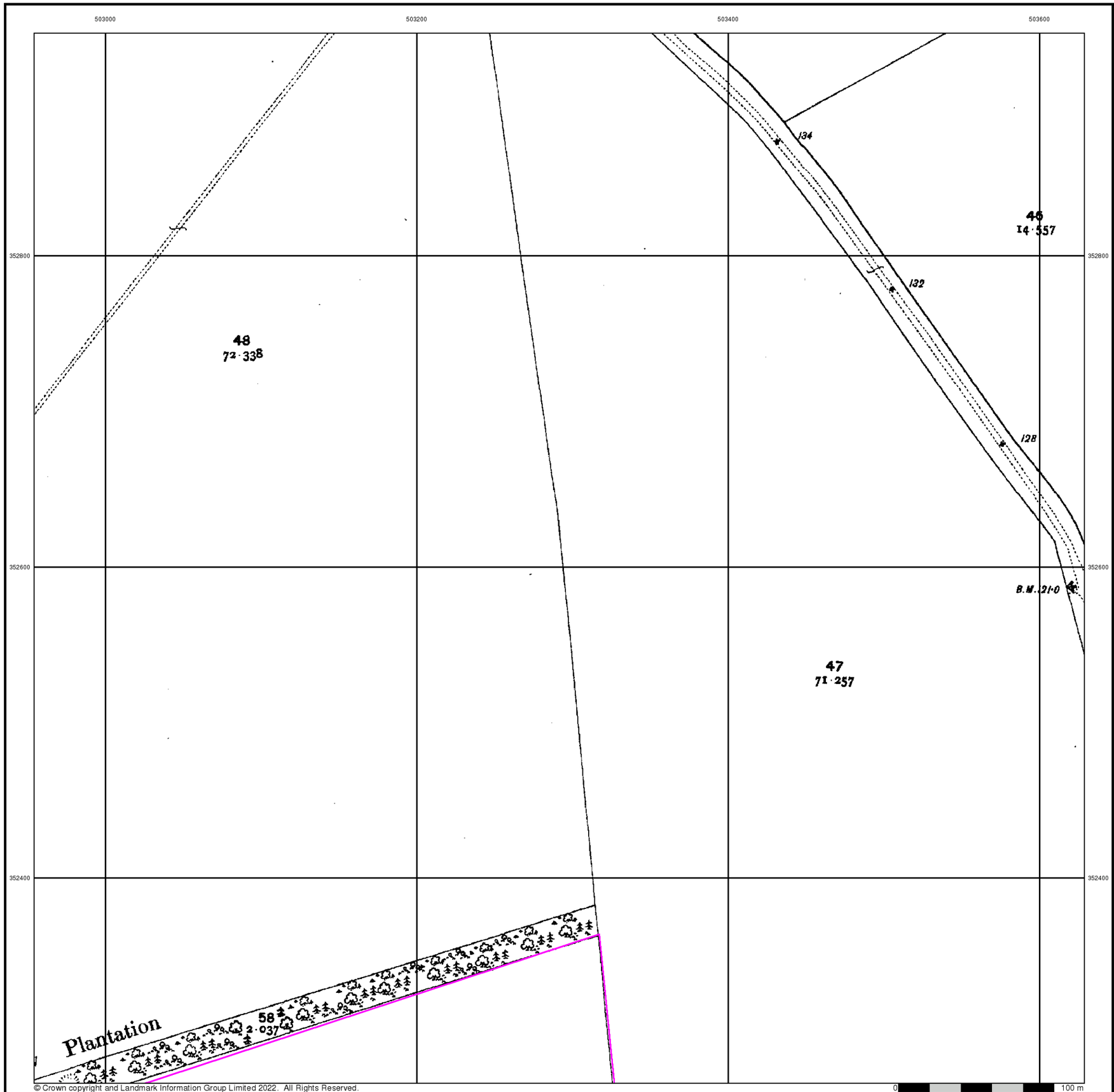

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RSK

Lincolnshire

Published 1905

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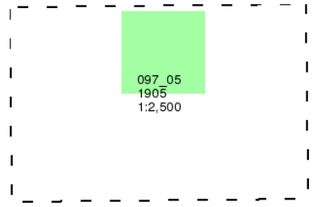
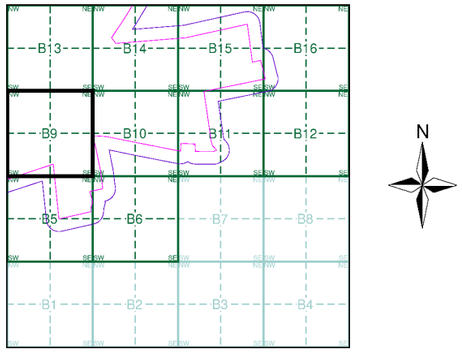


Historical Map - Segment B9



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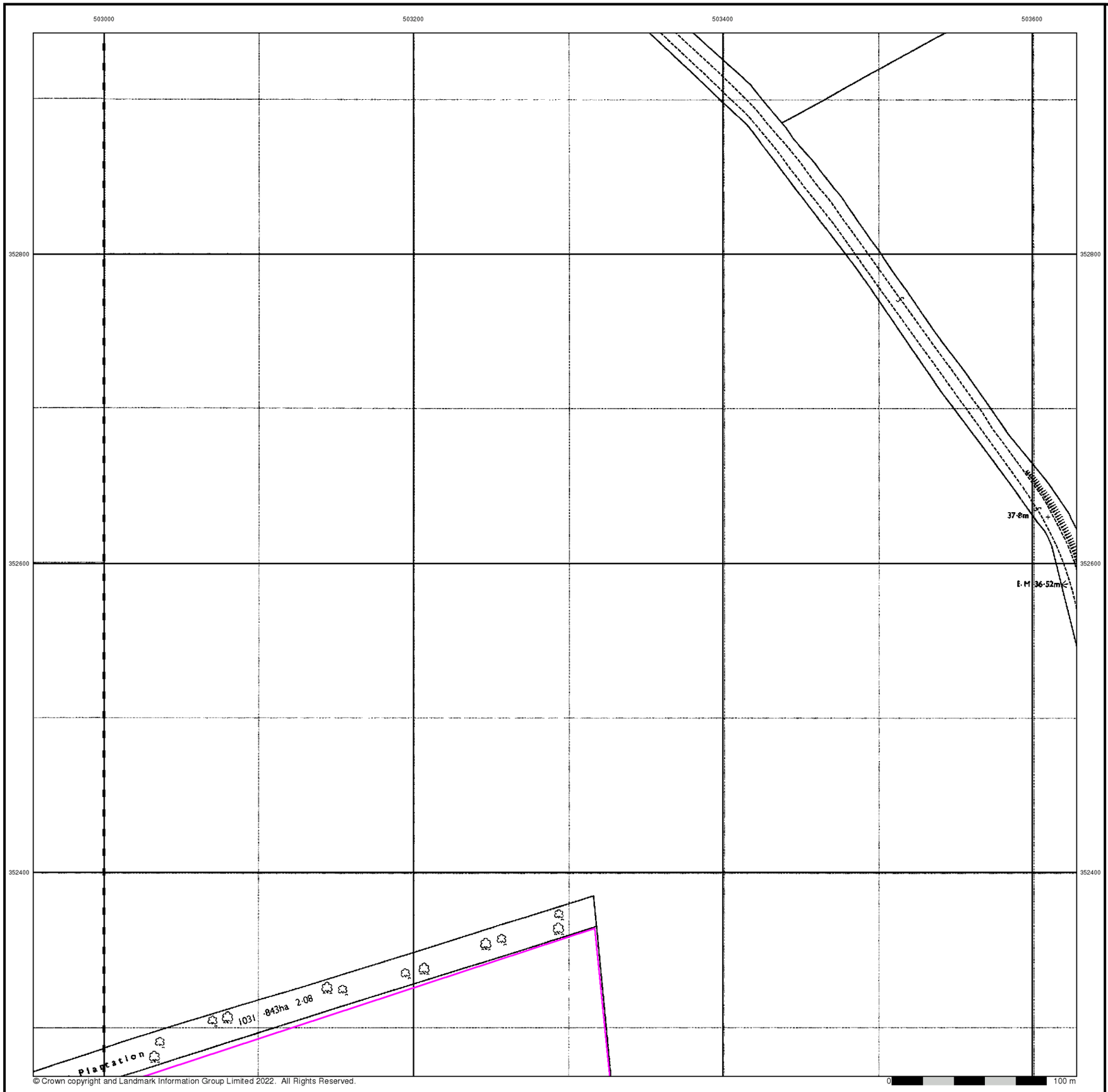

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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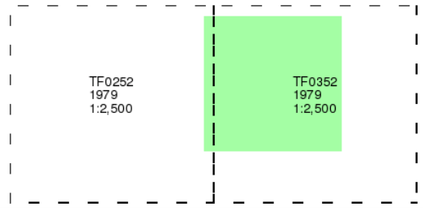
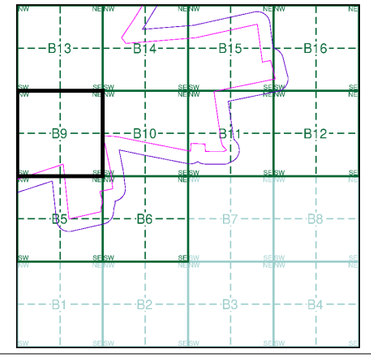


Historical Map - Segment B9



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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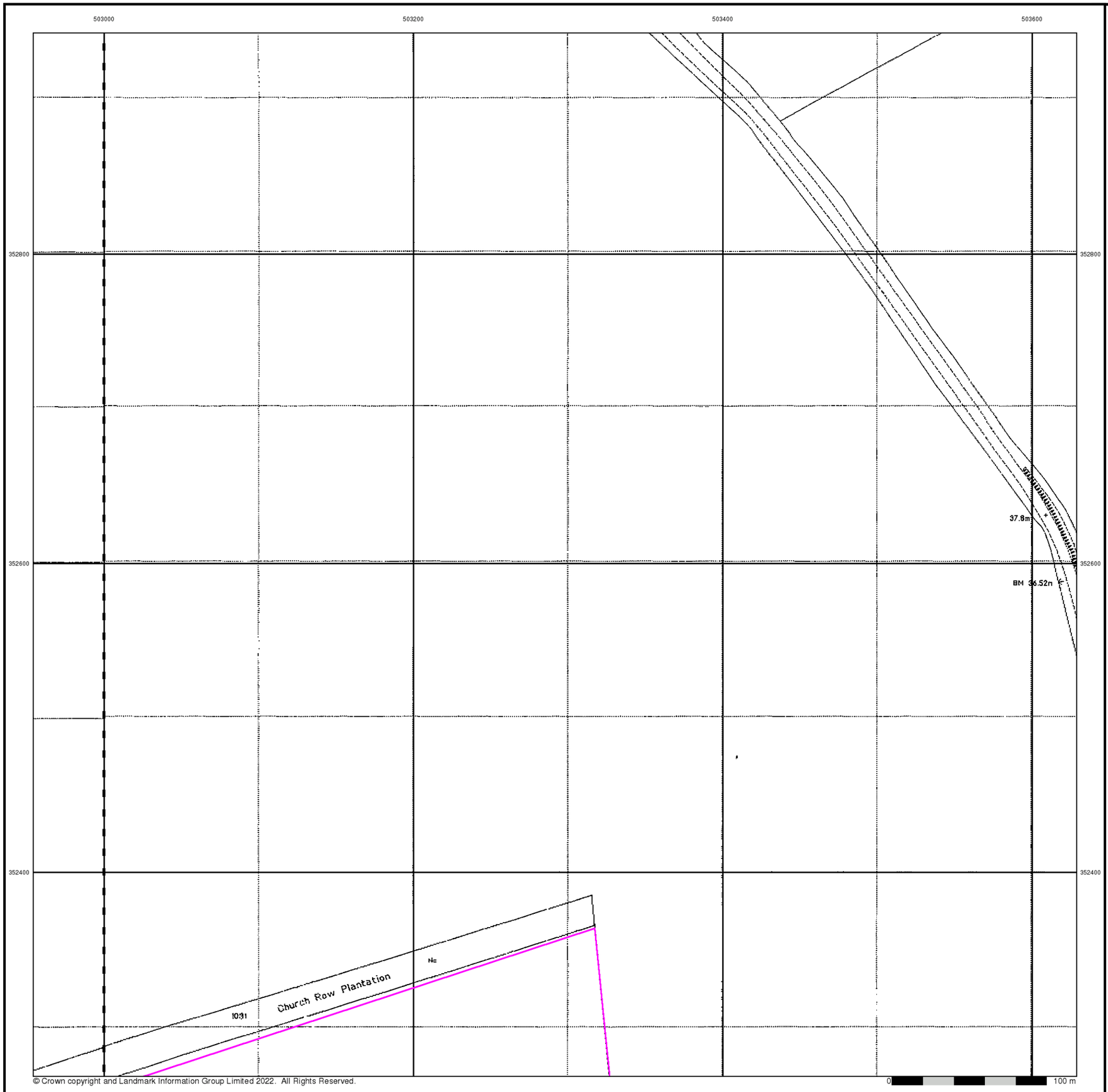
Web: www.envirocheck.co.uk



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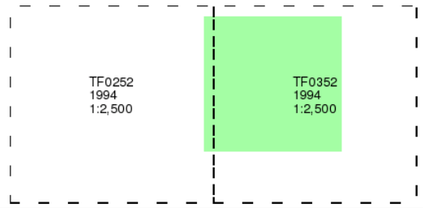
Large-Scale National Grid Data

Published 1994

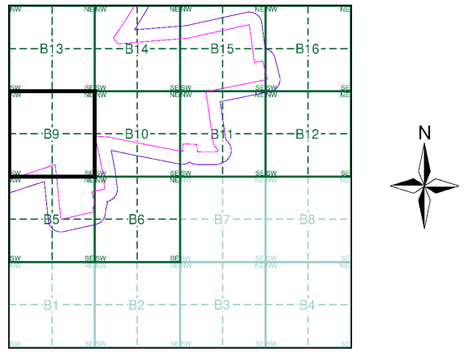
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment B9



Order Details

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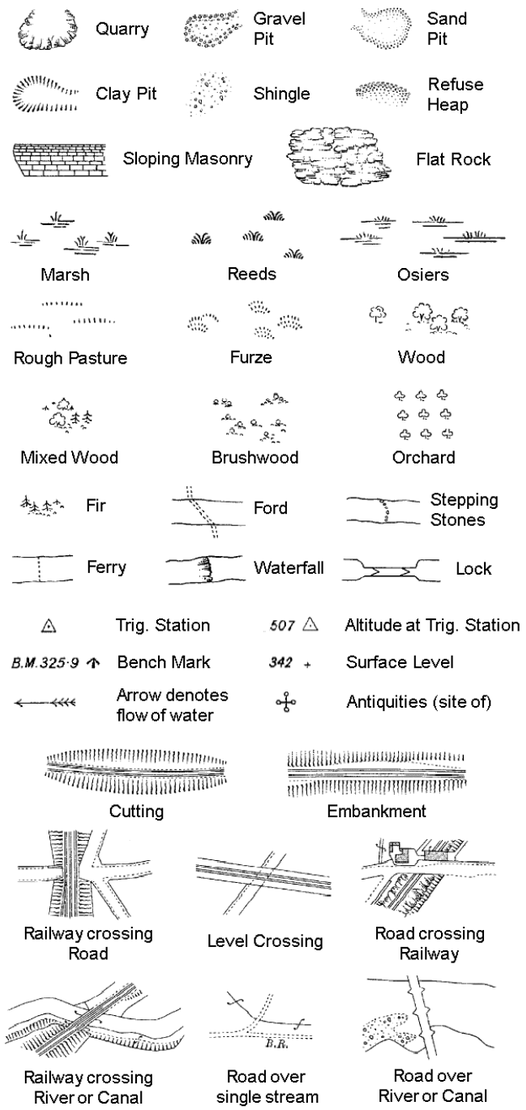
Historical Mapping Legends

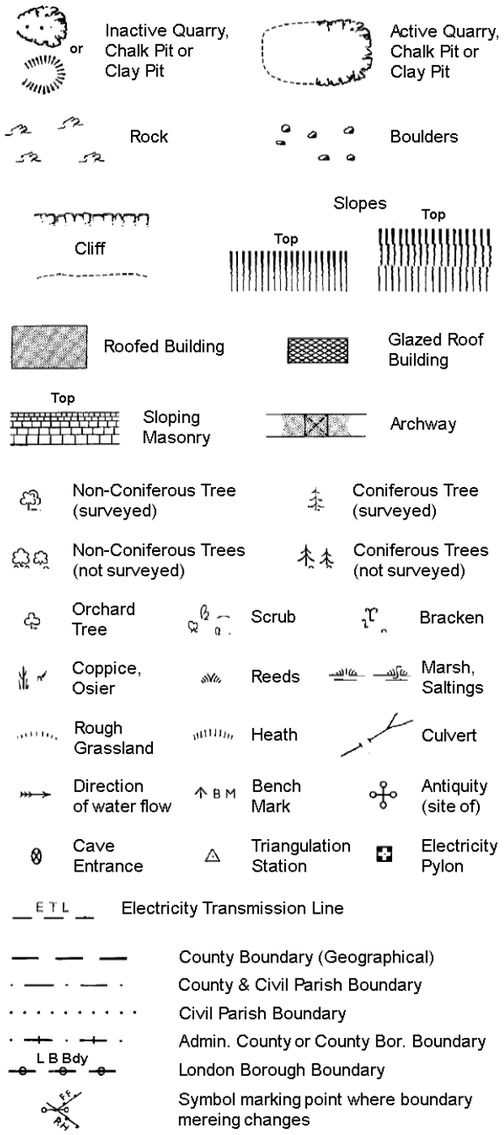
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

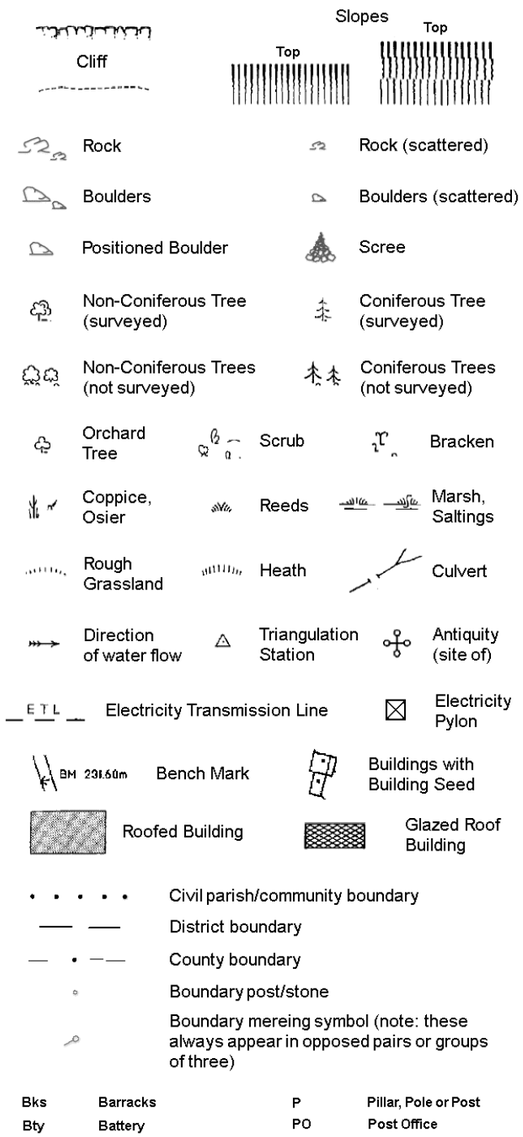
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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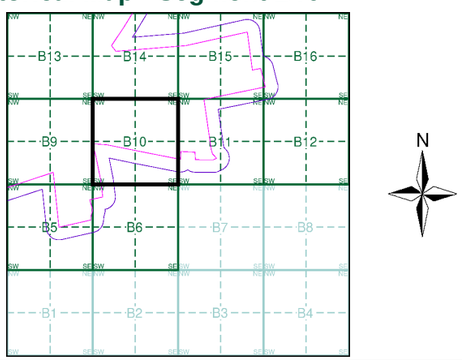
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment B10



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504190, 352440
Slice: B
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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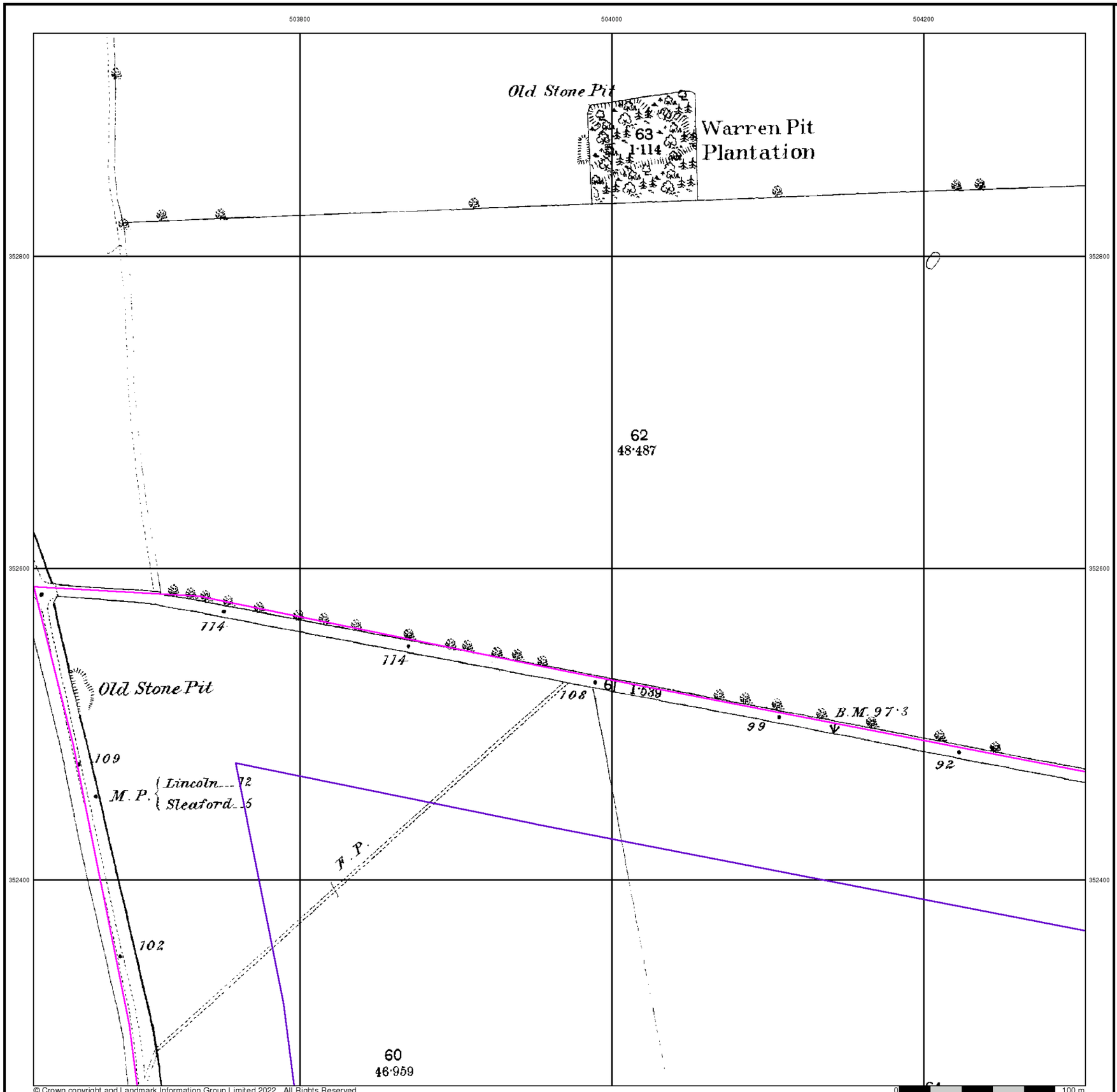

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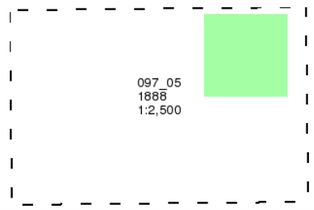
Lincolnshire

Published 1888

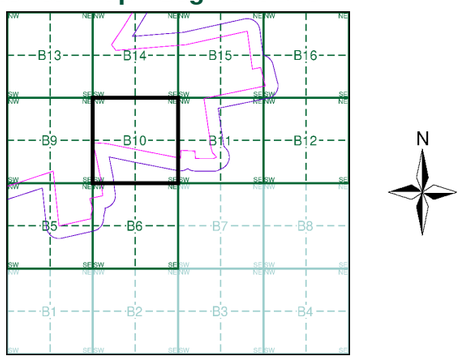
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment B10



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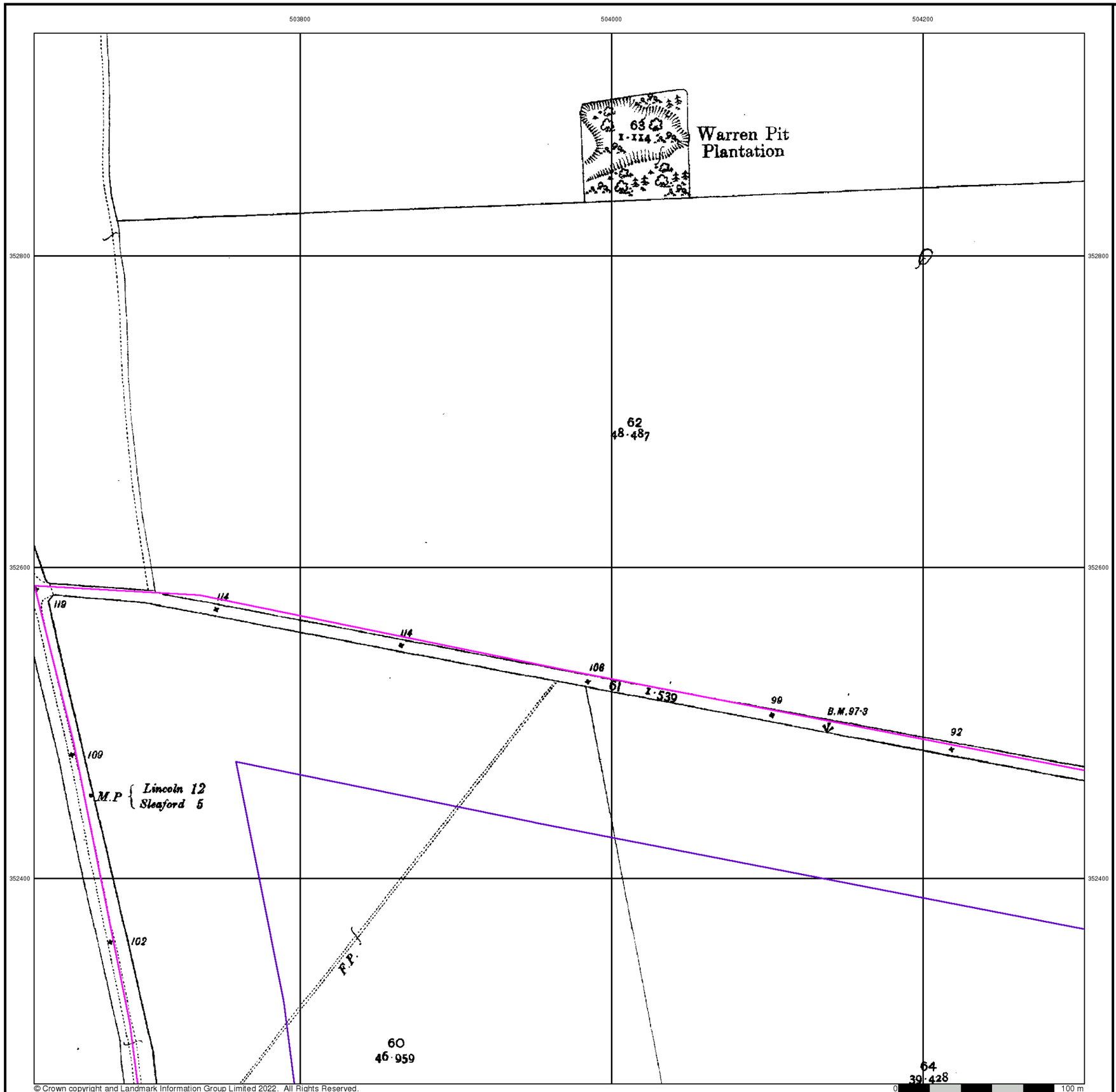

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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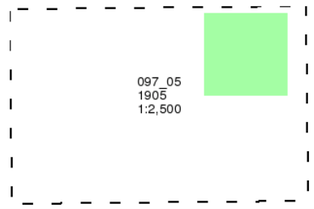
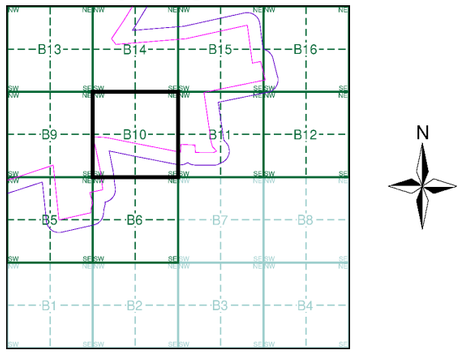


Historical Map - Segment B10



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Site Details

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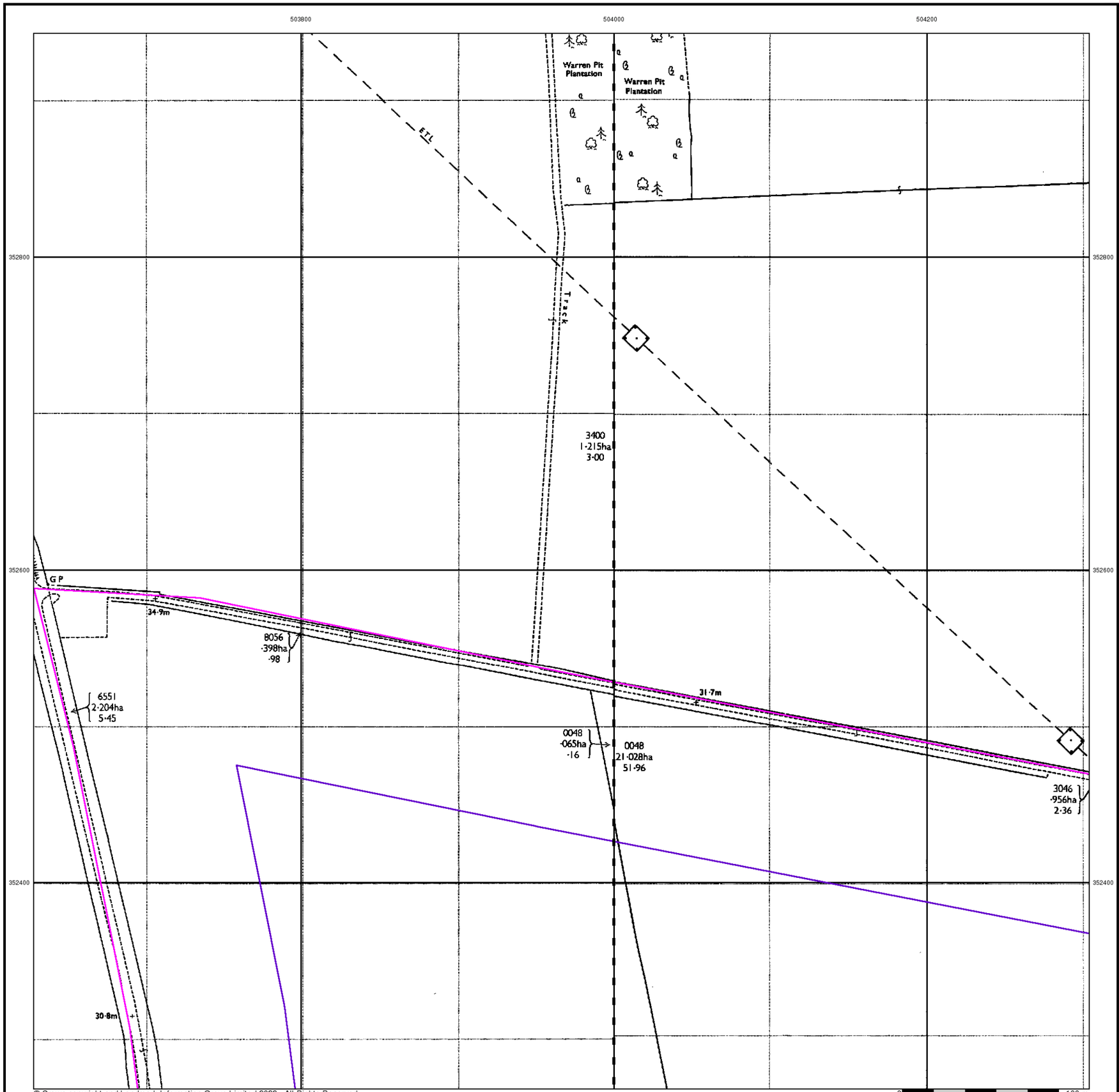

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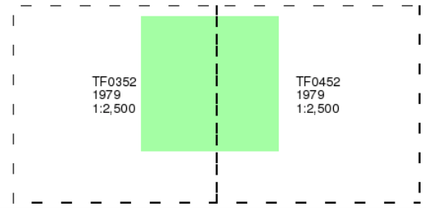
Ordnance Survey Plan

Published 1979

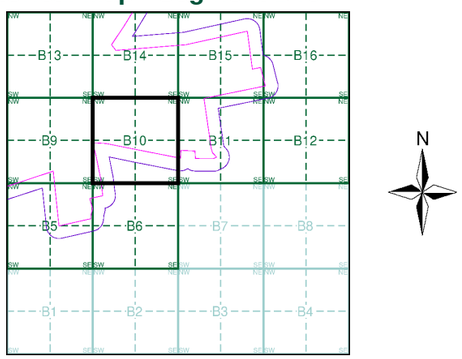
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment B10



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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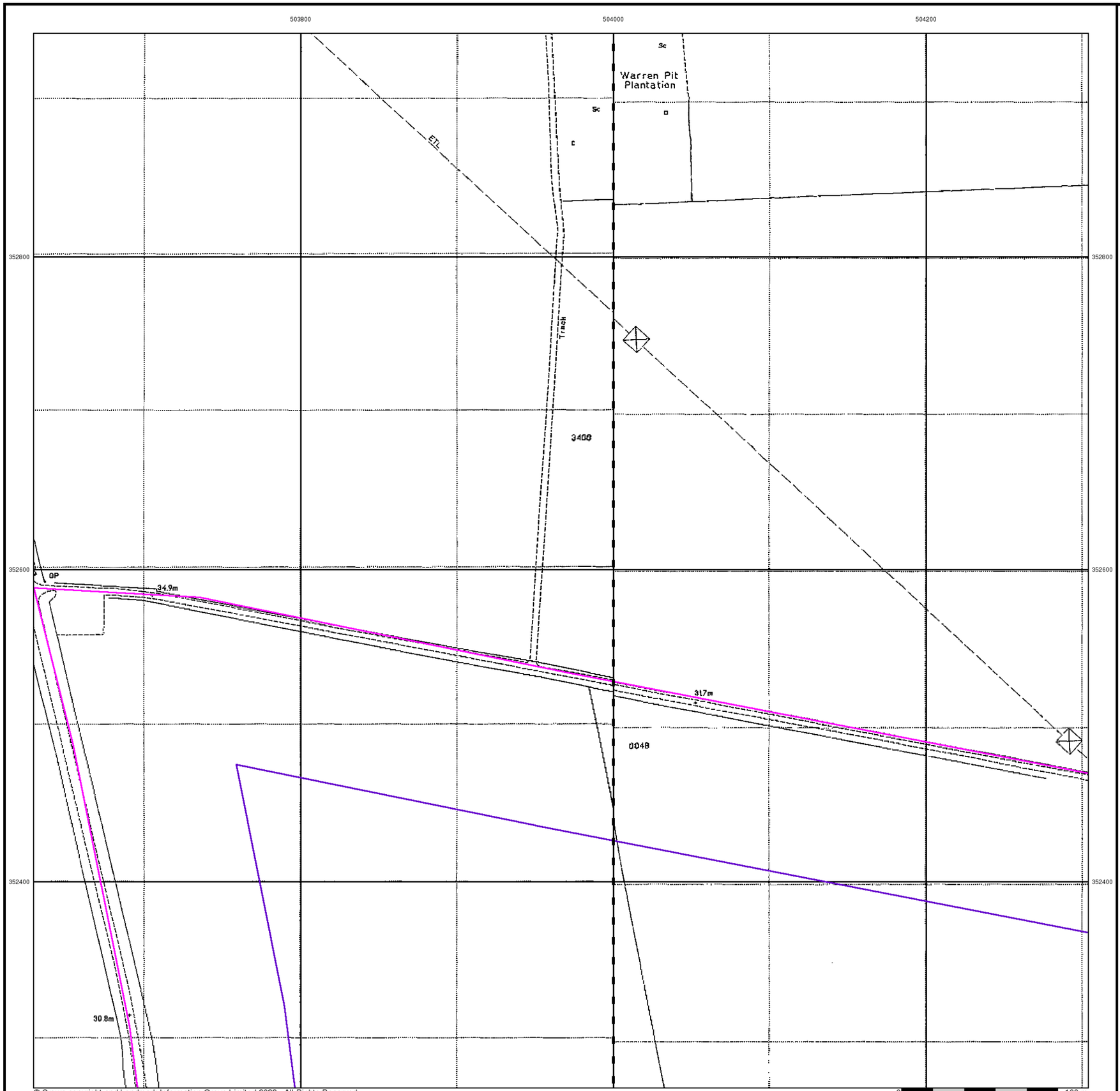


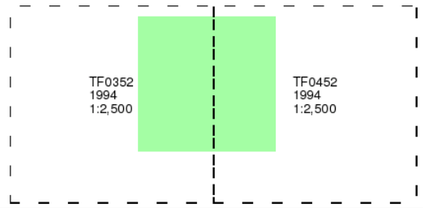
Large-Scale National Grid Data

Published 1994

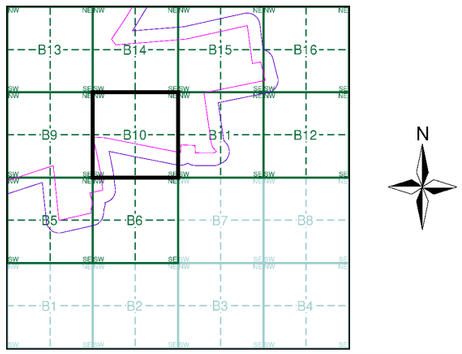
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment B10



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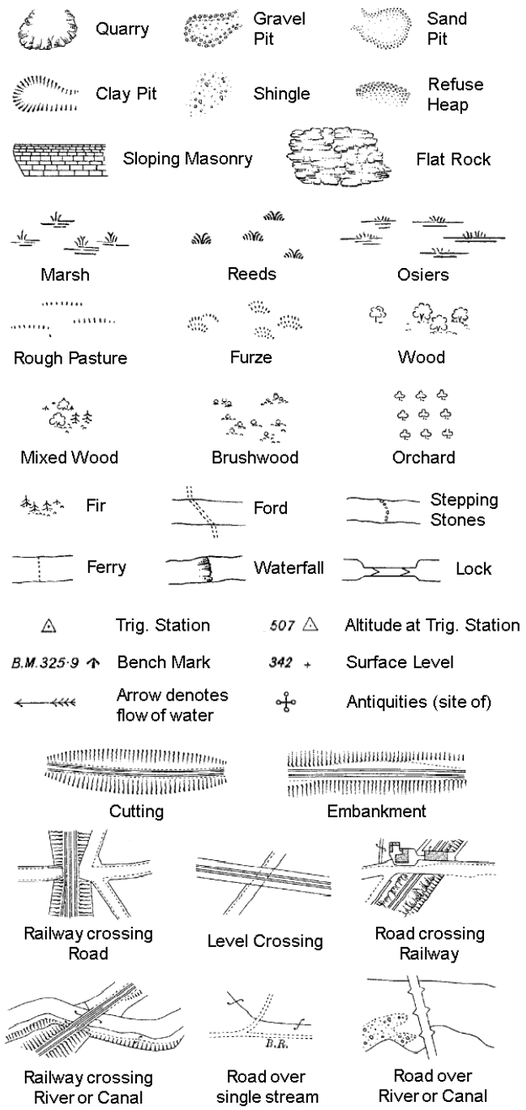
Historical Mapping Legends

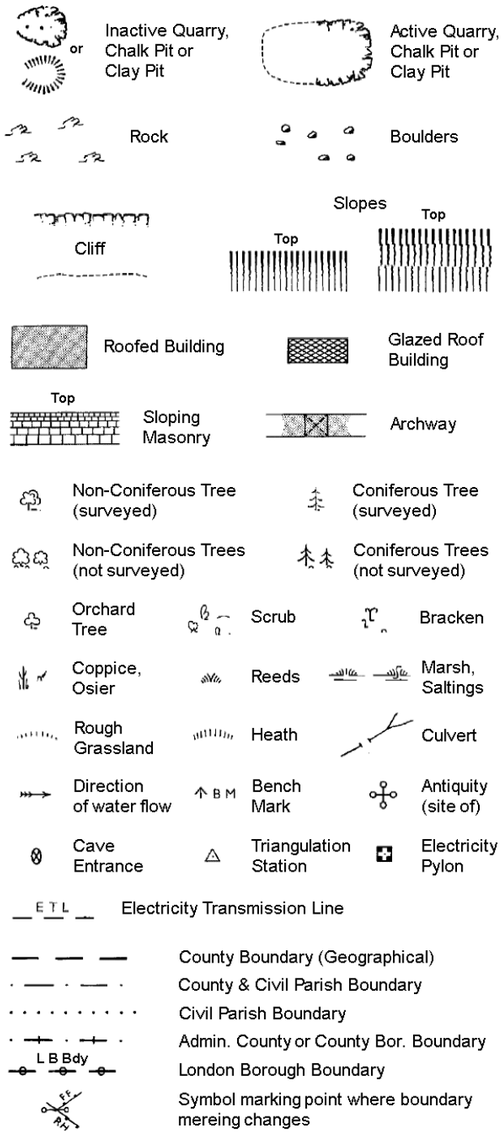
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B.P B.S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
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Chy	Chimney	PH	Public House
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El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
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LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
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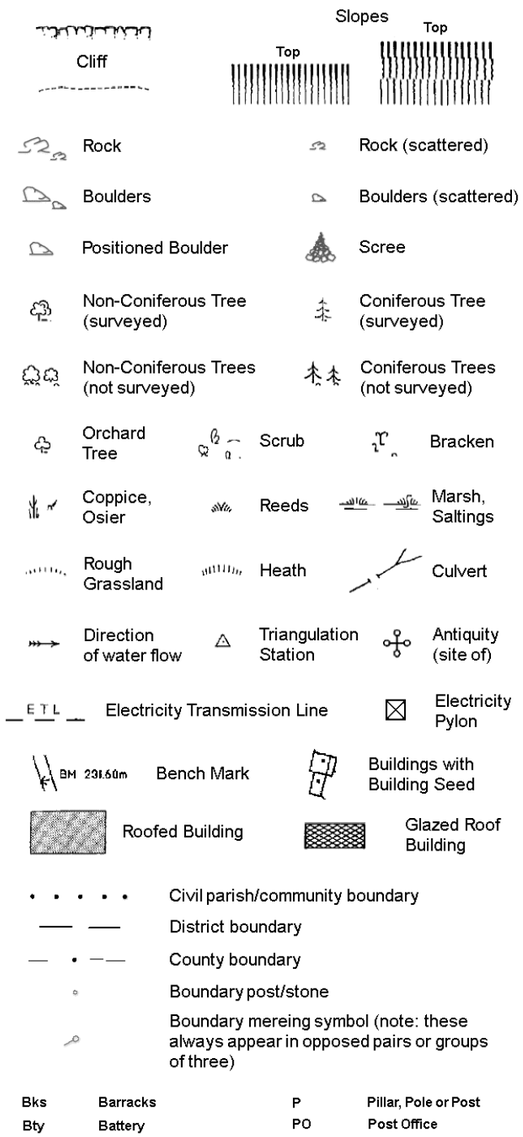
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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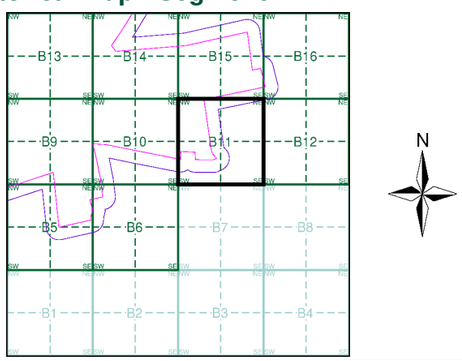
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment B11



Order Details

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Site Details

All Areas New

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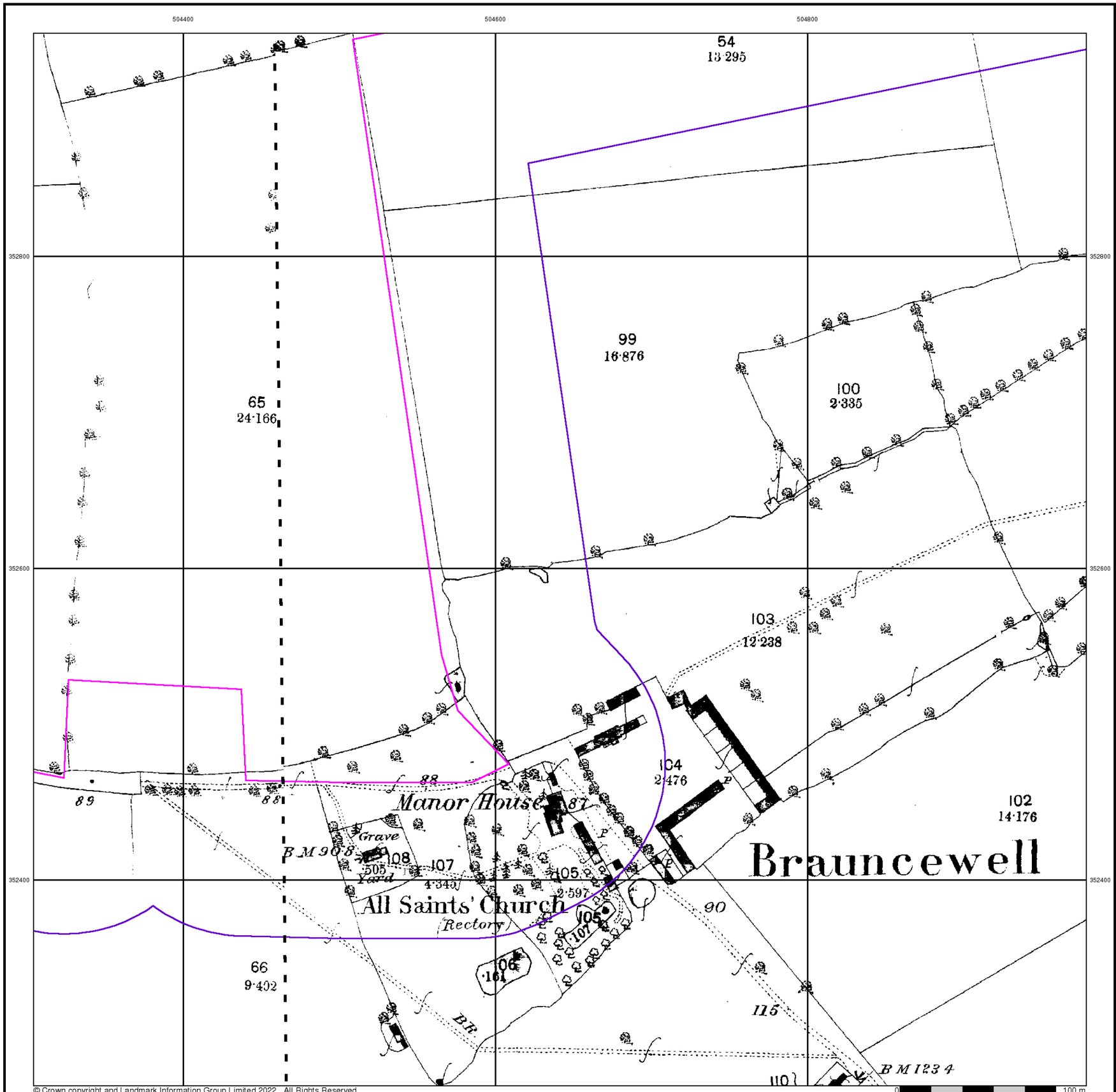

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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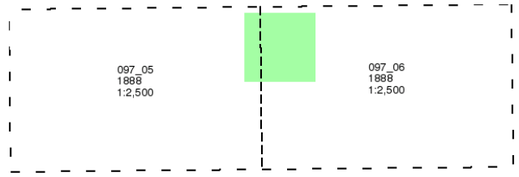
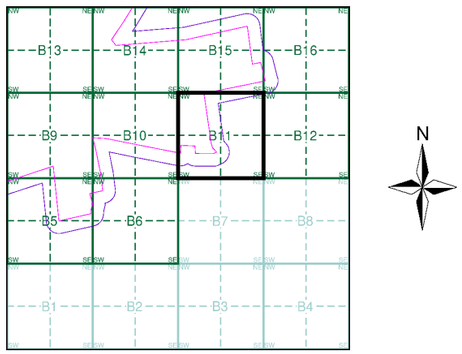
Map Name(s) and Date(s)



Historical Map - Segment B11



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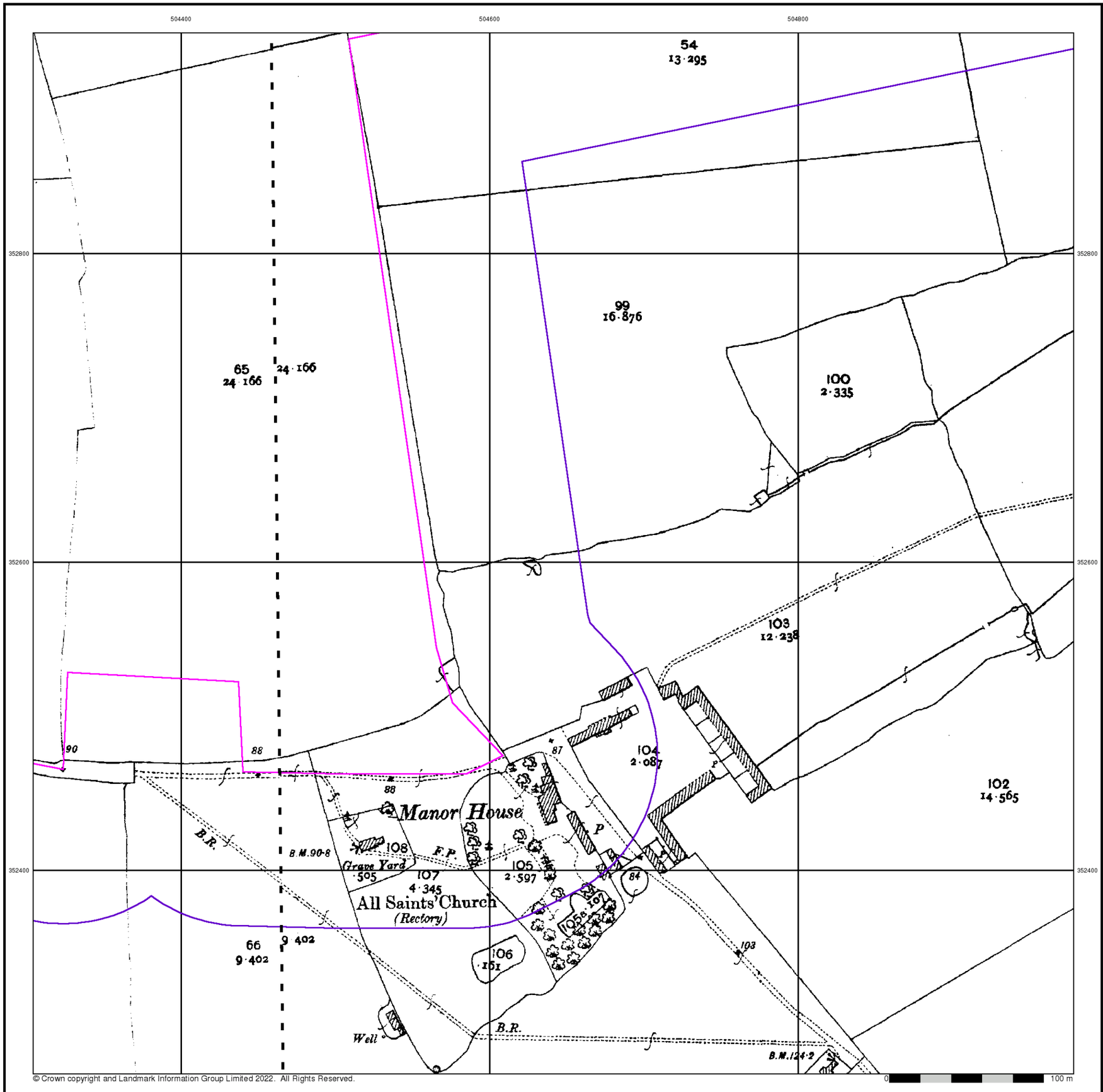

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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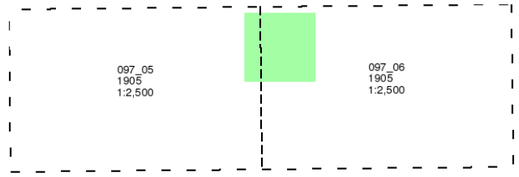
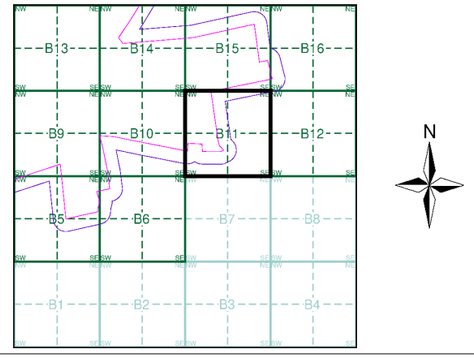
Map Name(s) and Date(s)



Historical Map - Segment B11



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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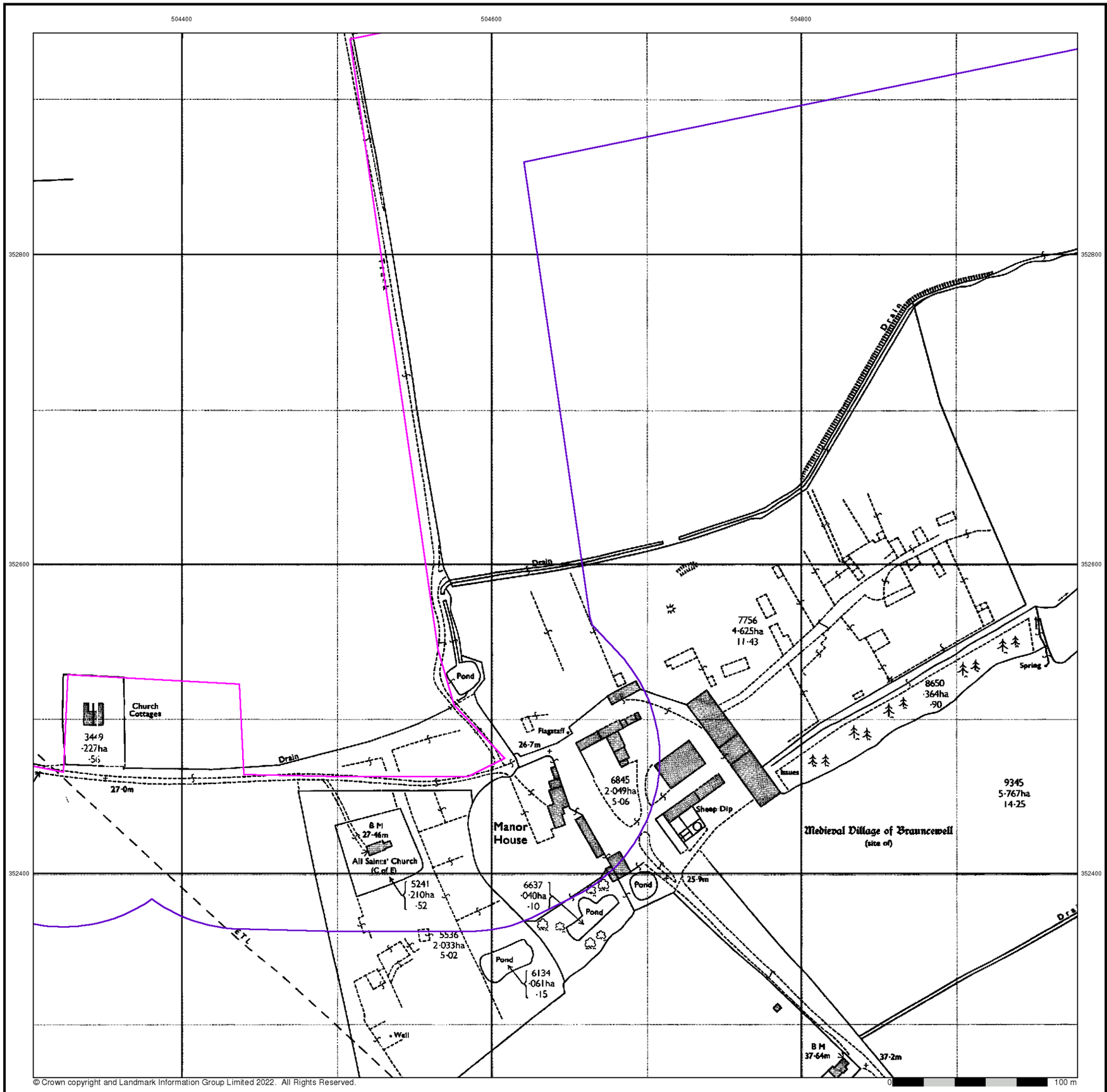

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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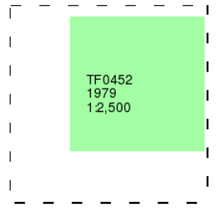
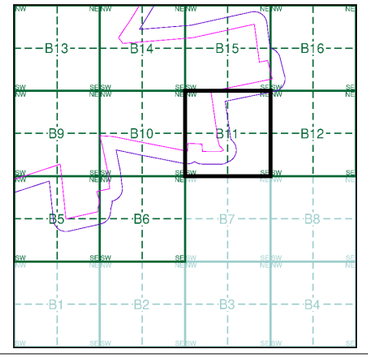


Historical Map - Segment B11



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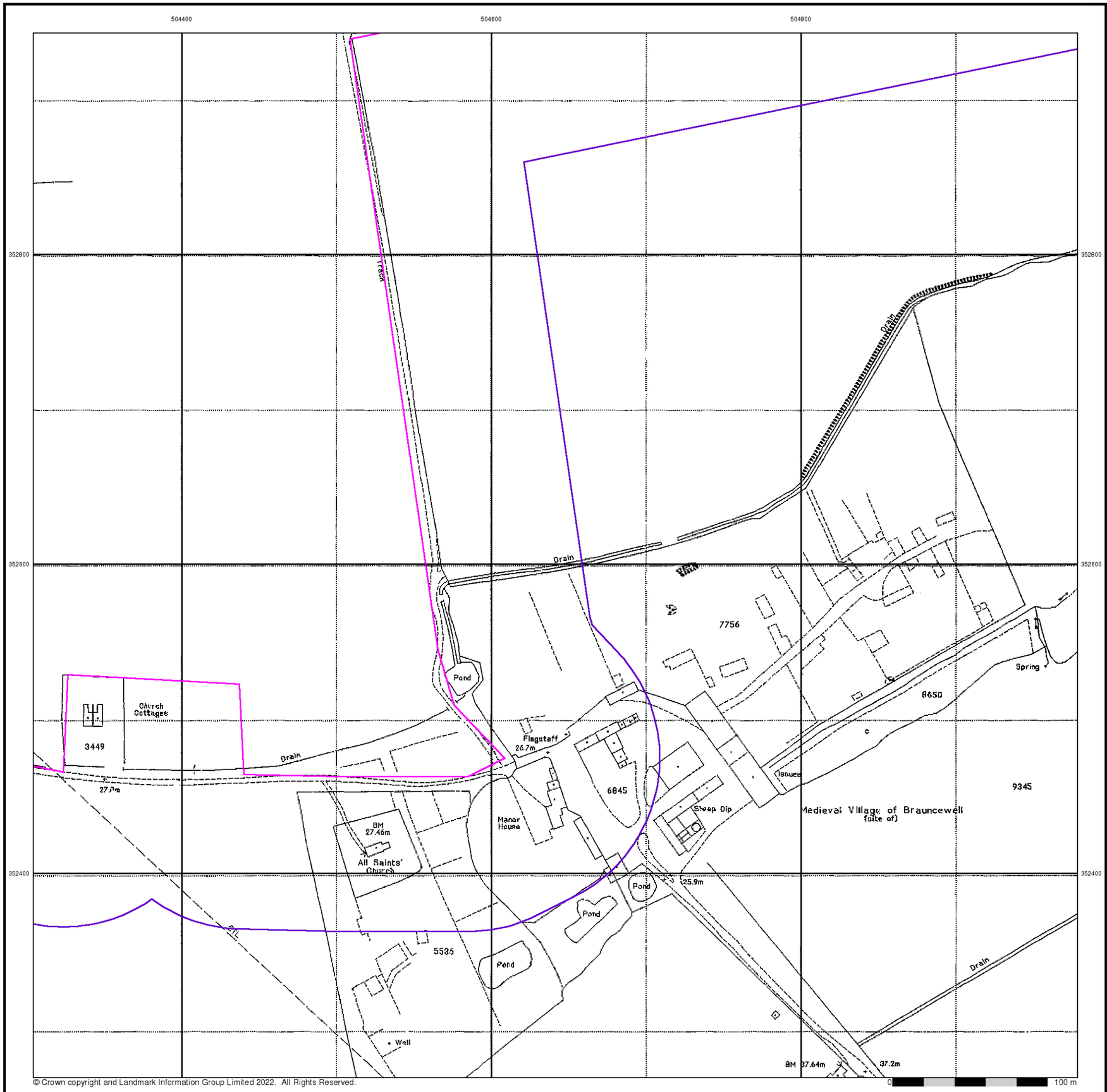

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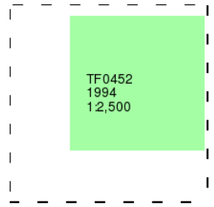
Large-Scale National Grid Data

Published 1994

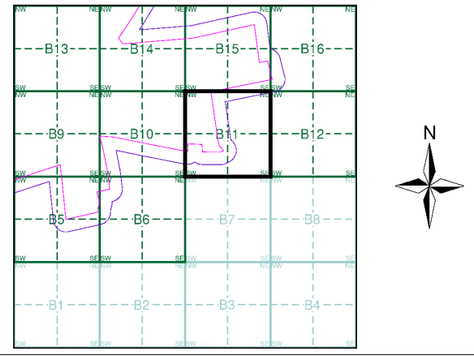
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment B11



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Site Area (Ha):	1774.17
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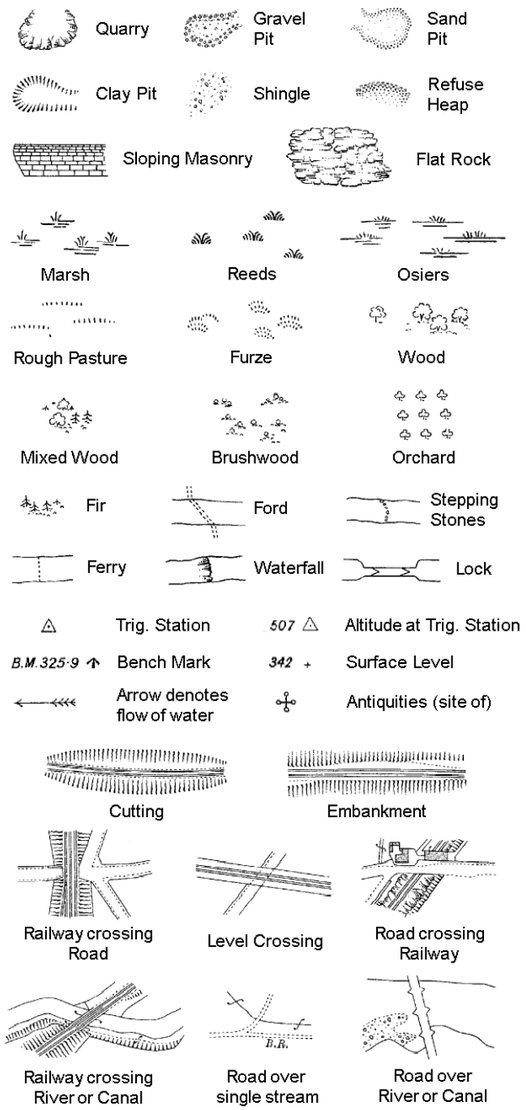
Historical Mapping Legends

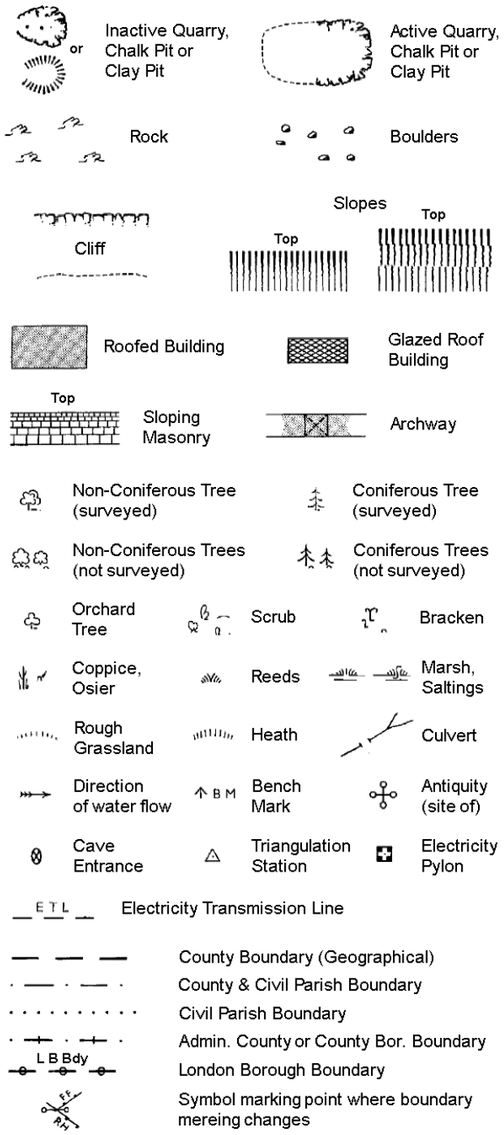
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

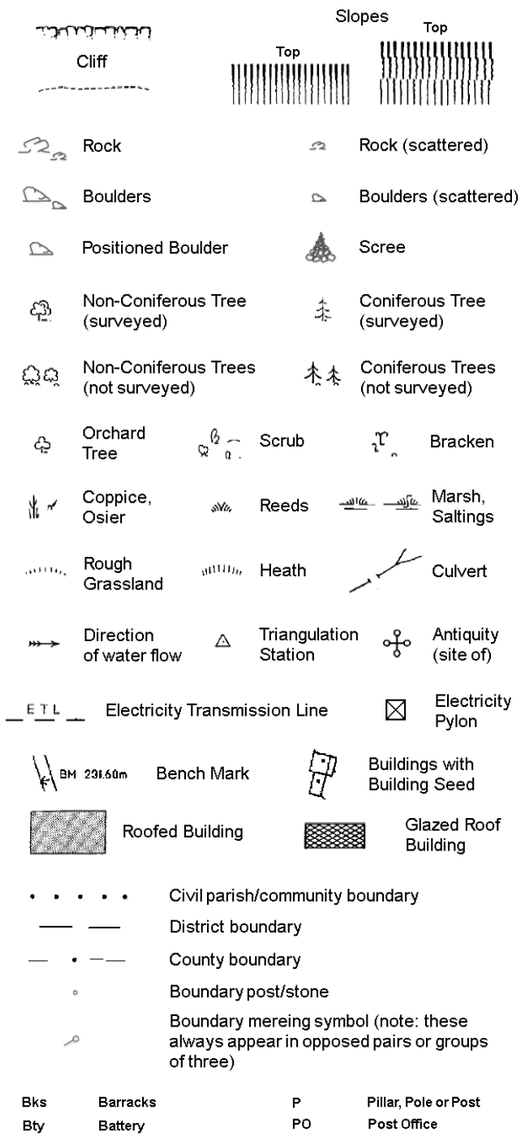
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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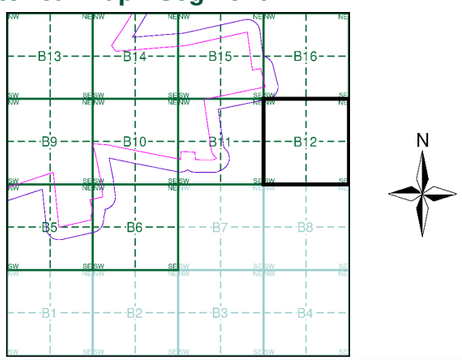
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment B12



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504190, 352440
Slice: B
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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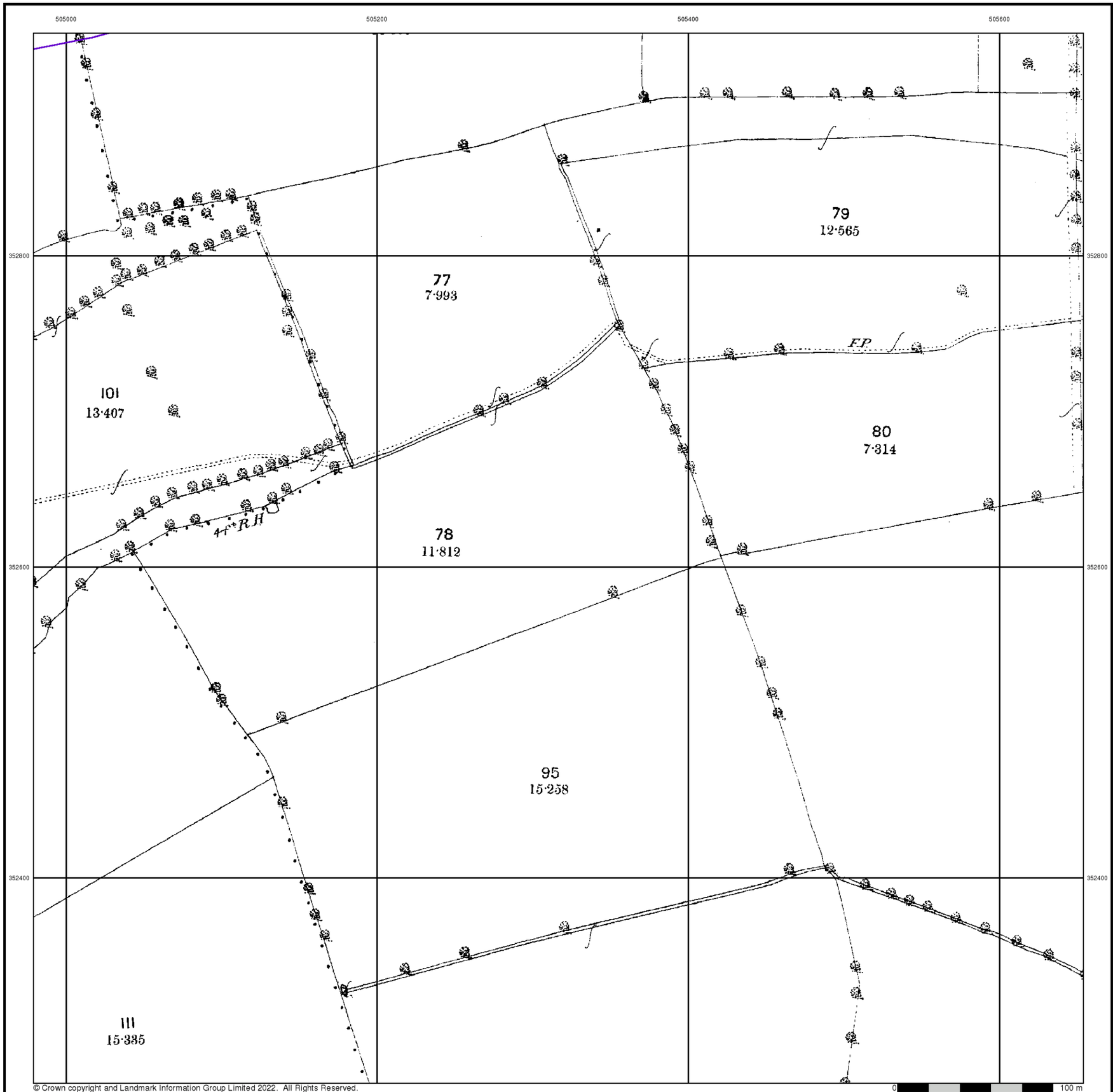

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0 100 m

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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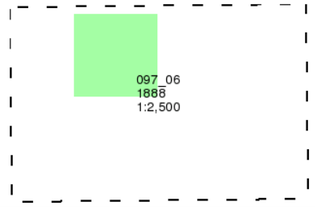
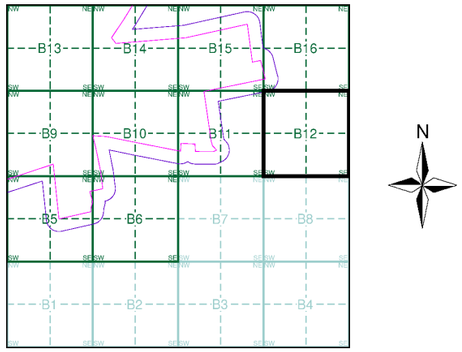
Map Name(s) and Date(s)



Historical Map - Segment B12



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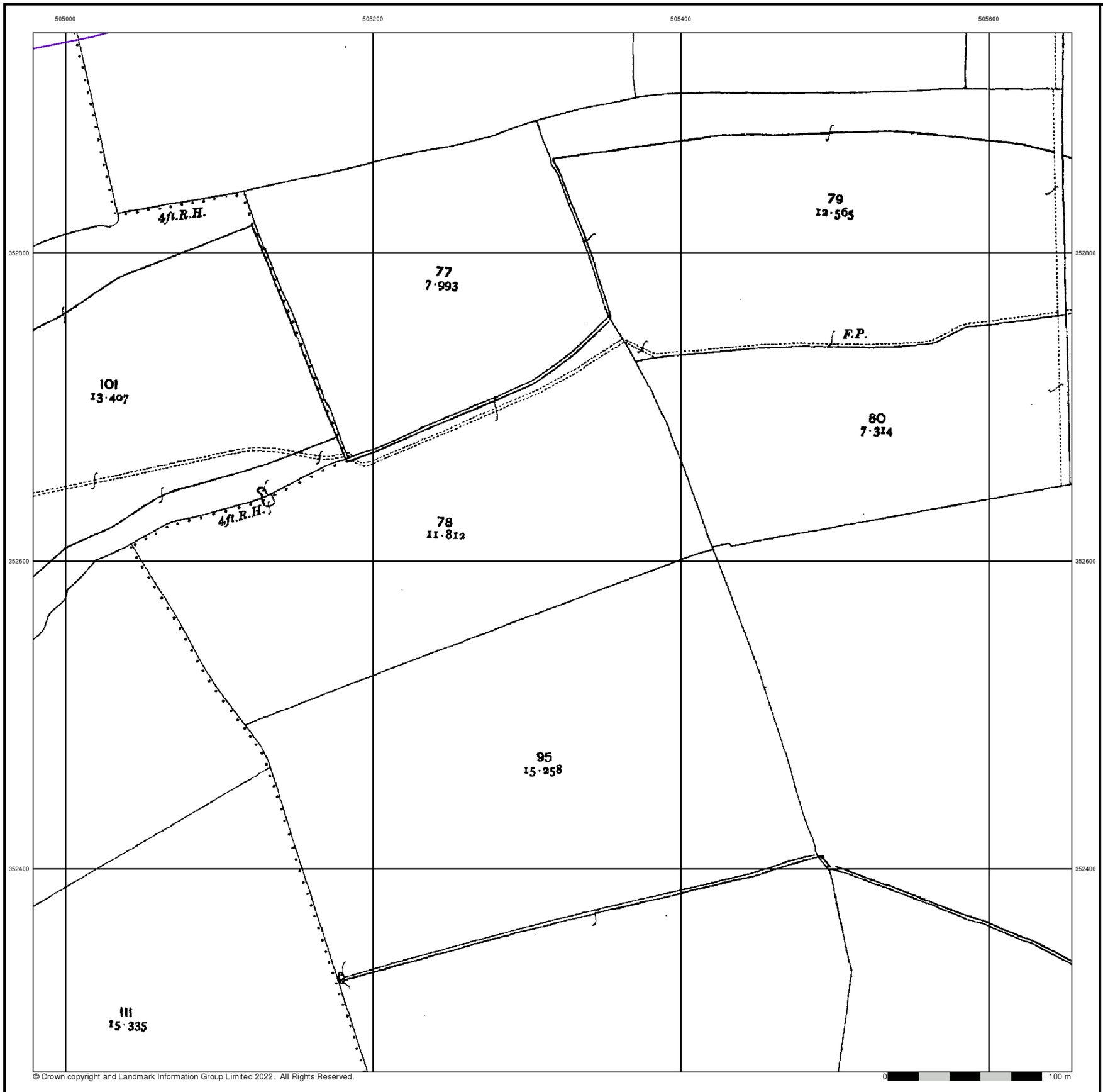

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Lincolnshire

Published 1905

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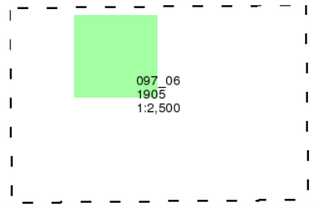
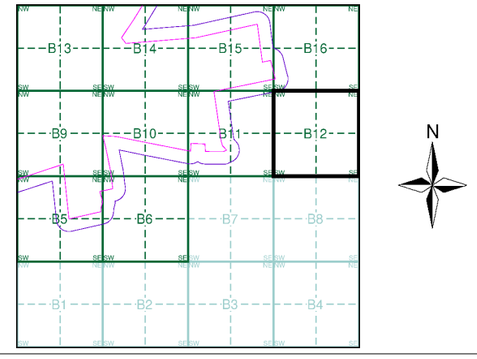


Historical Map - Segment B12



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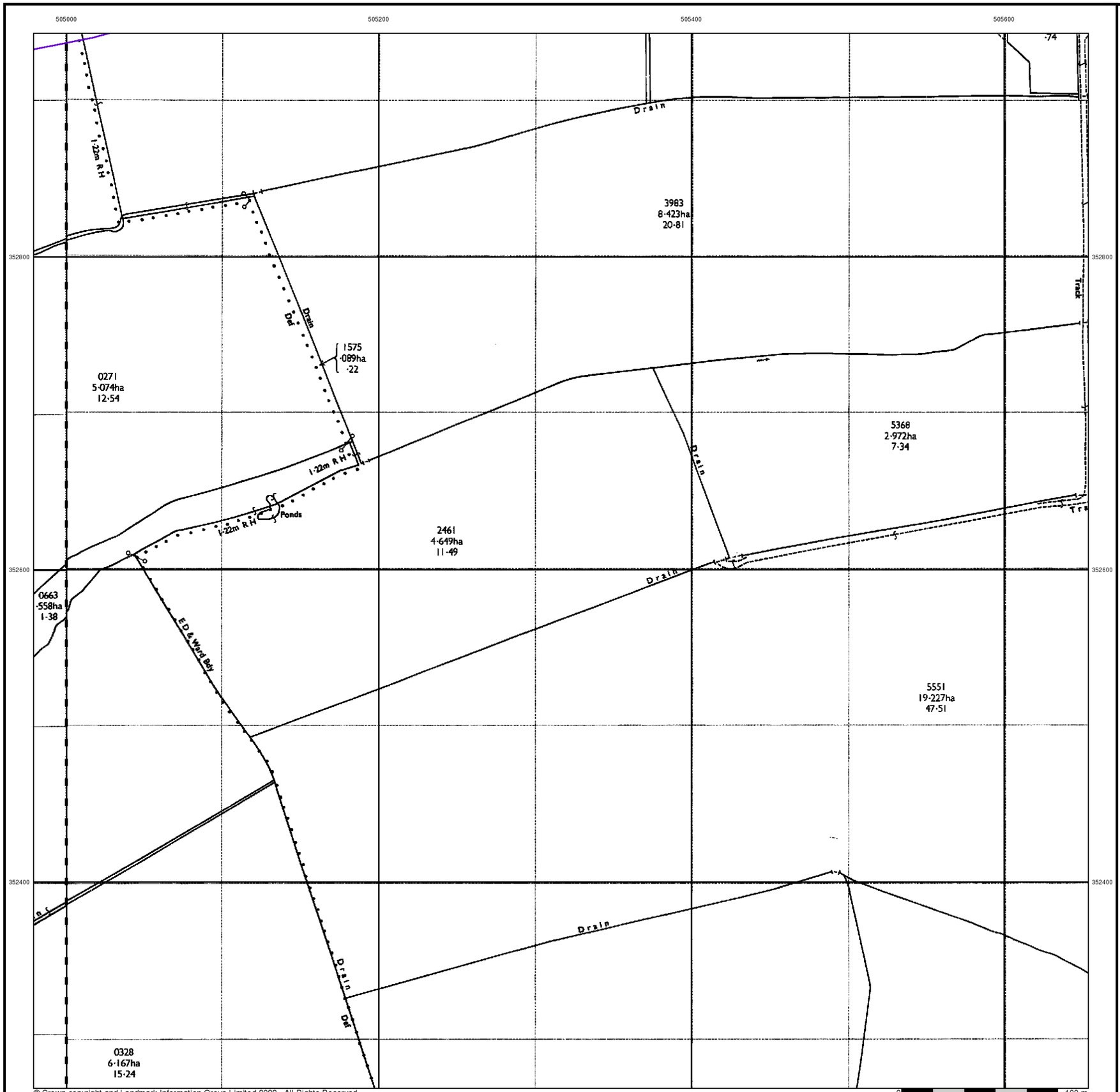

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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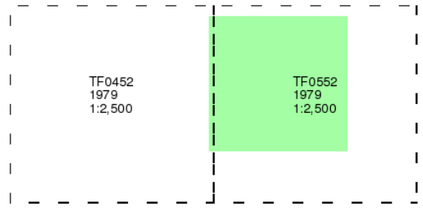

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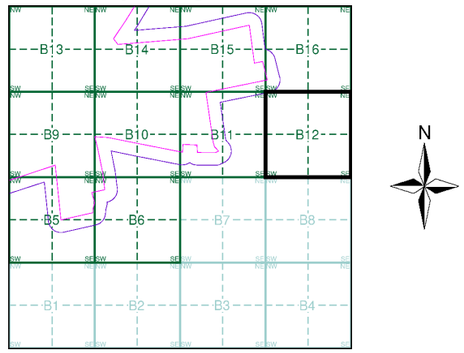

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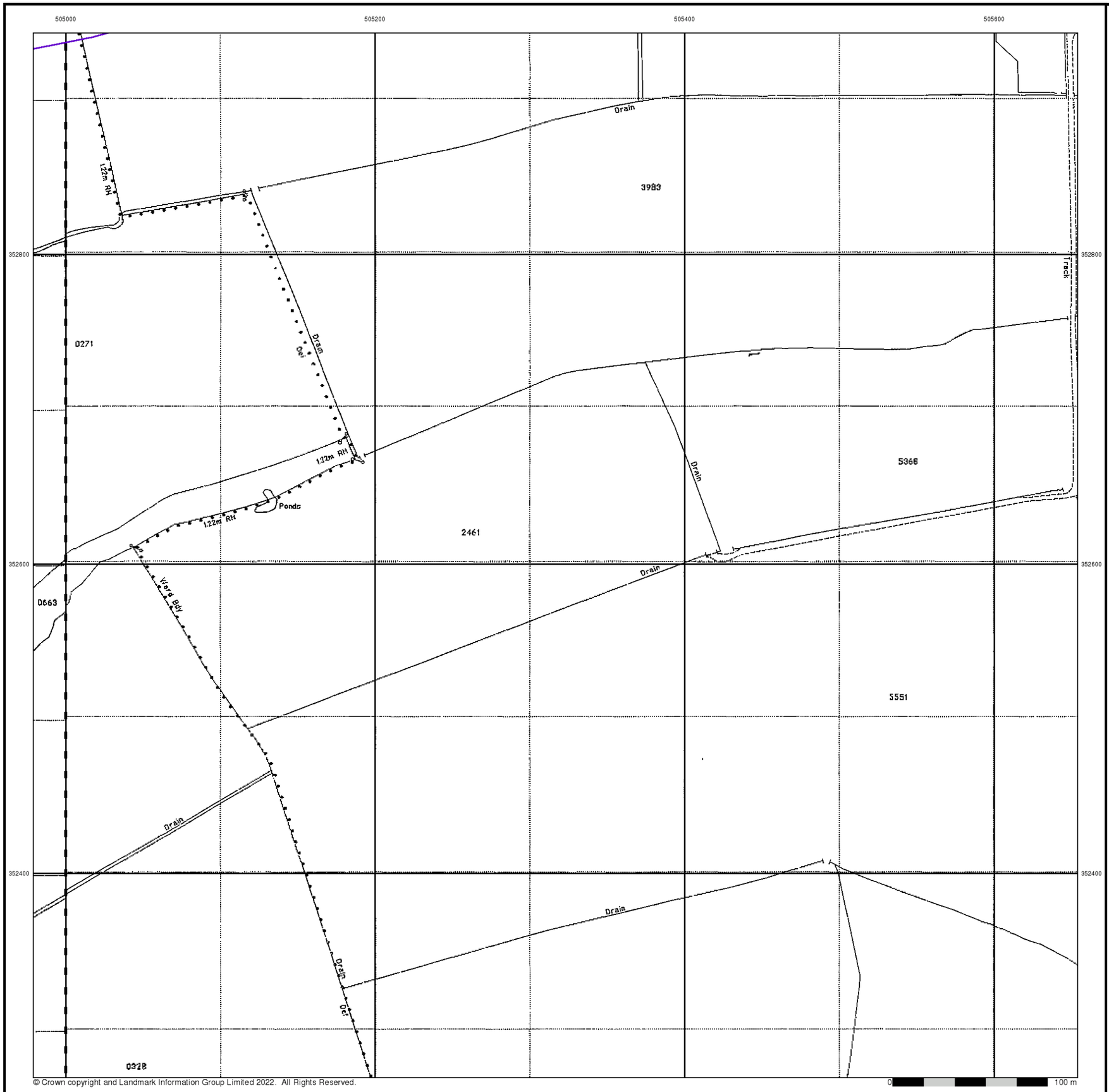

Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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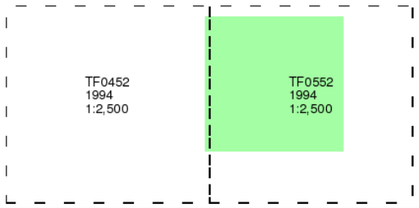
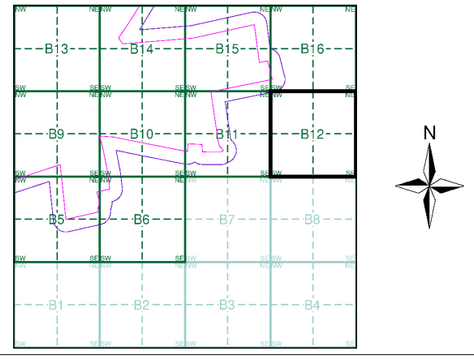


Historical Map - Segment B12



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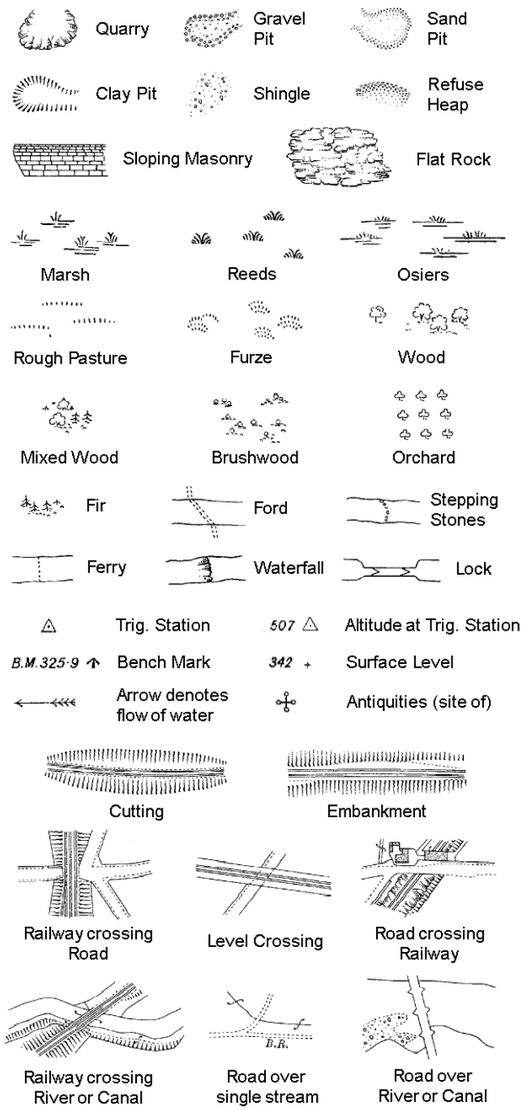
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
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B P B S	Boundary Post or Stone	P.C.B	Police Call Box
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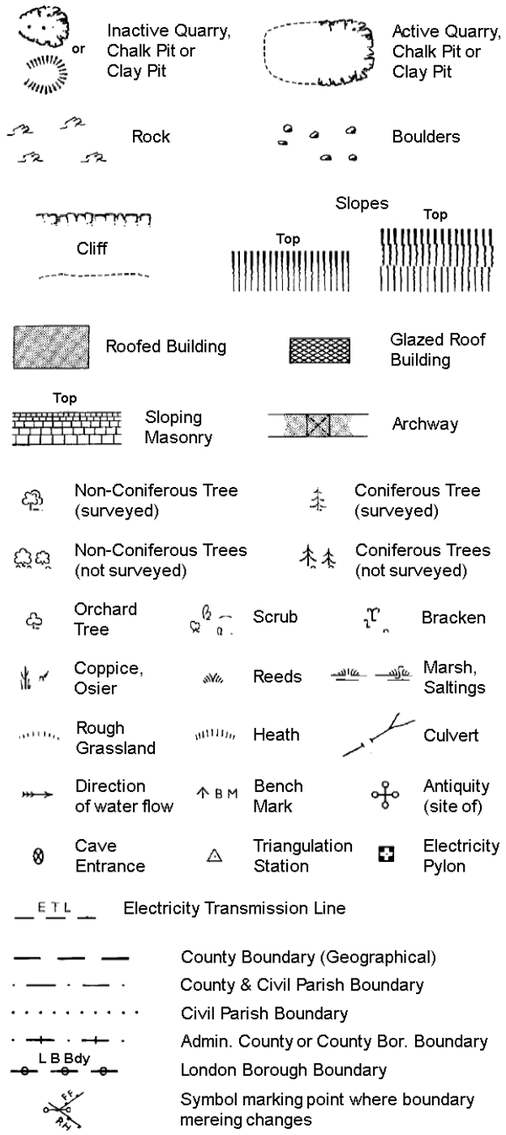
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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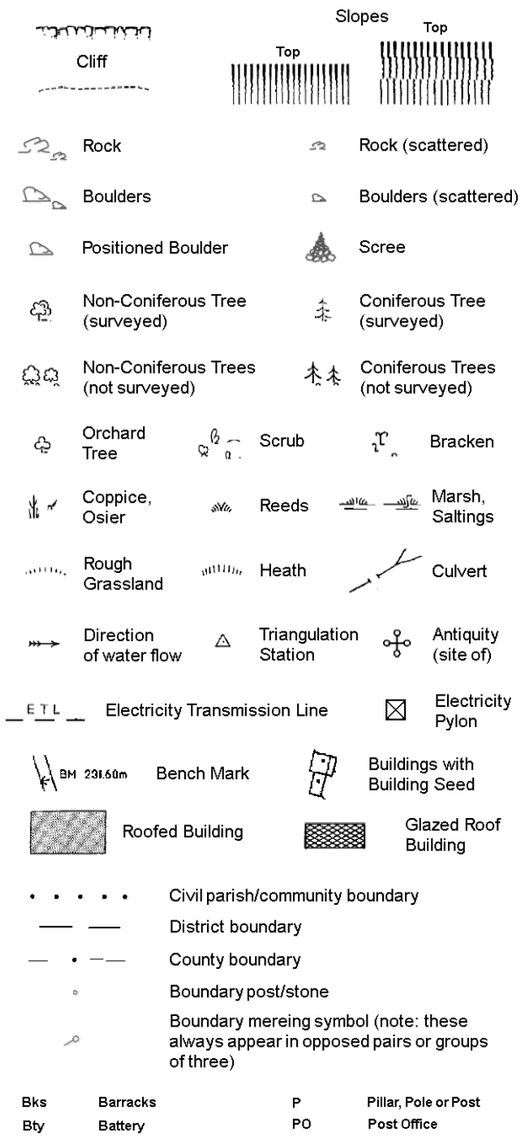
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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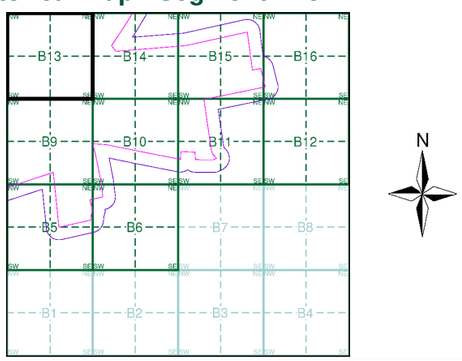
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment B13



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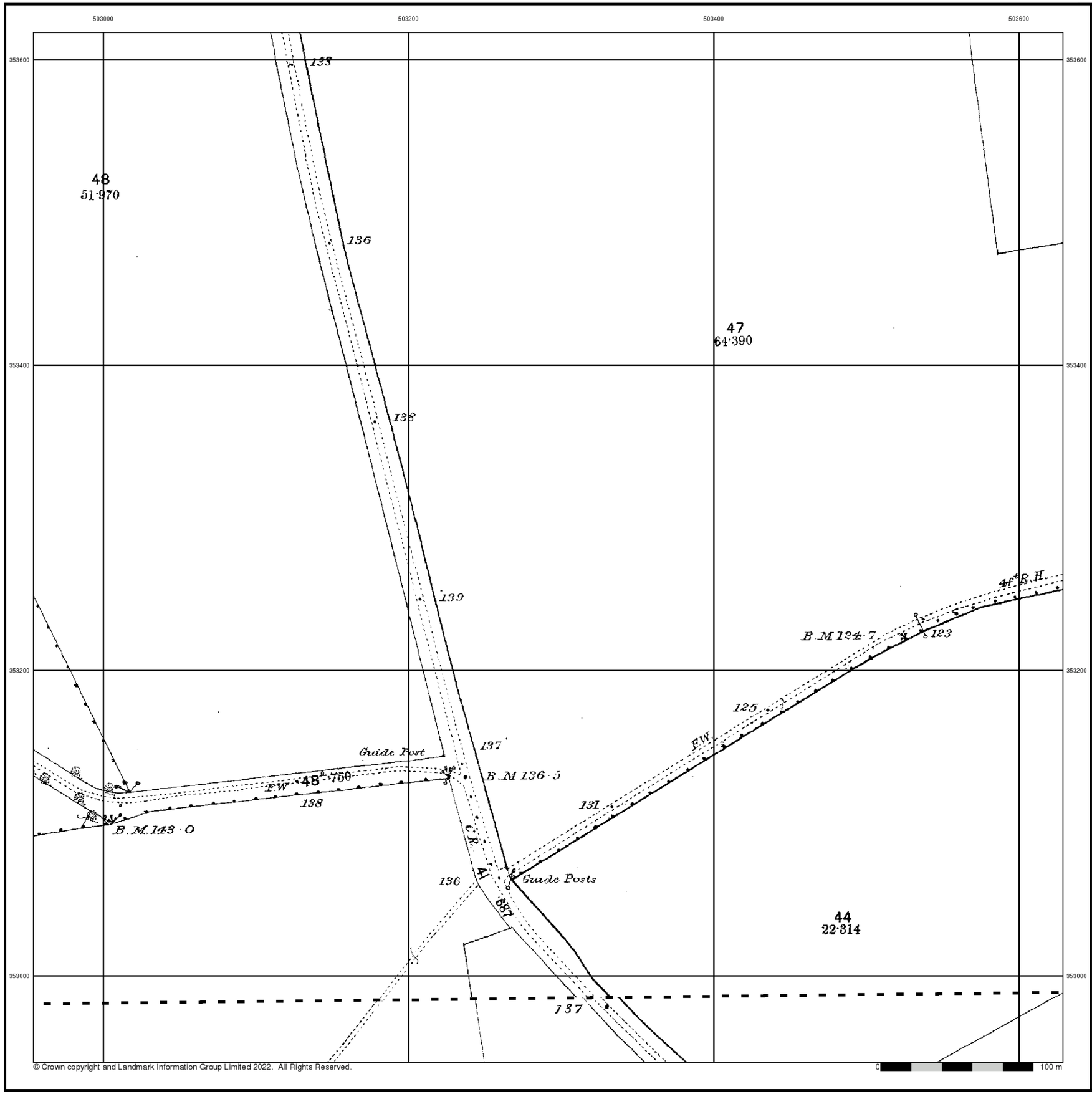

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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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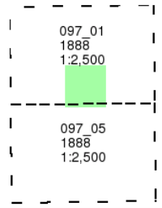
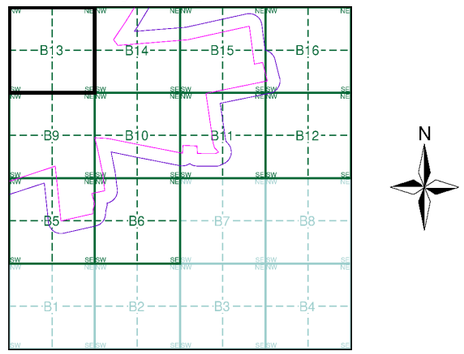


Historical Map - Segment B13



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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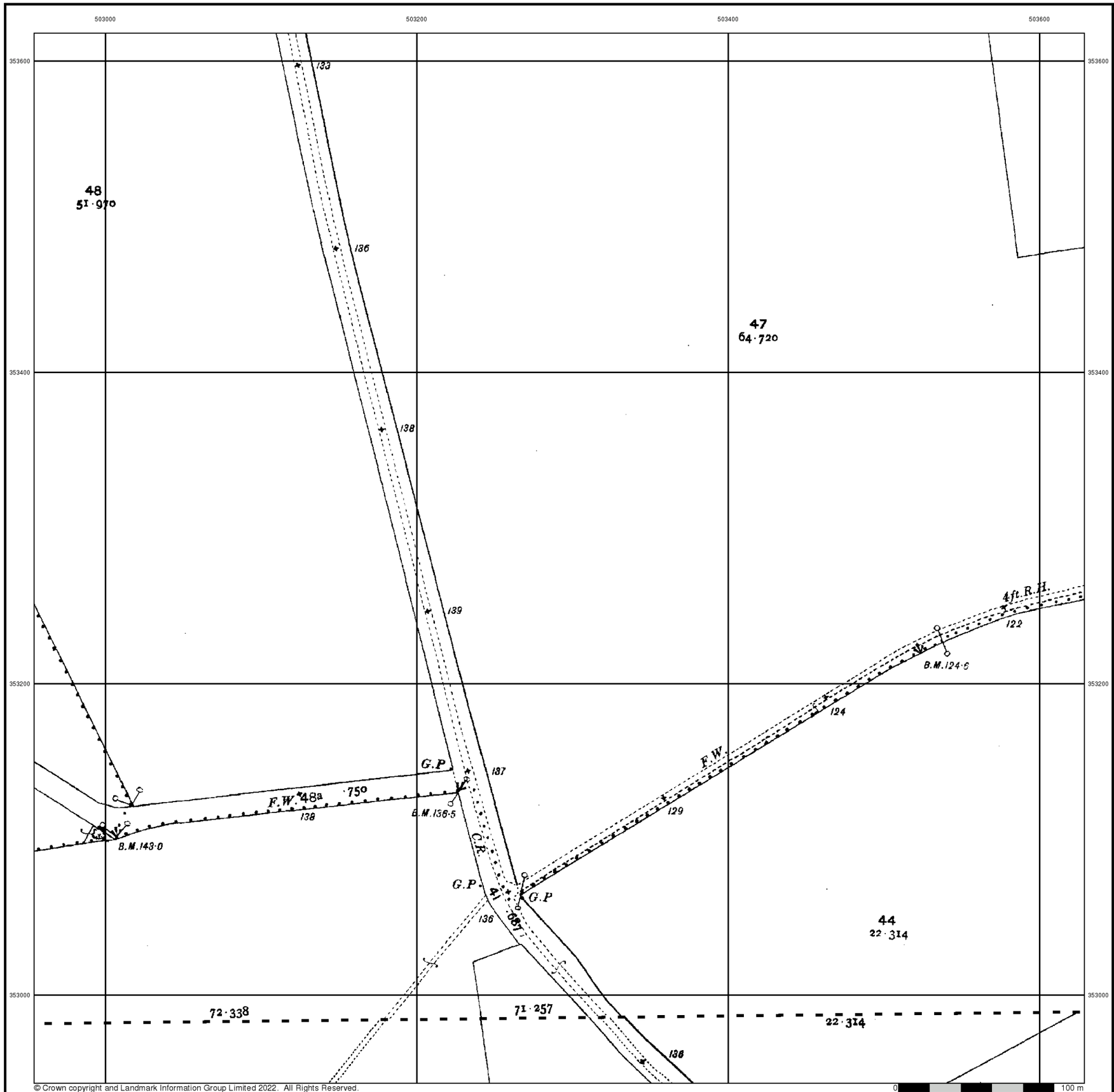

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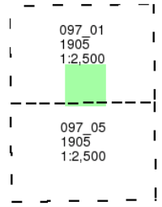

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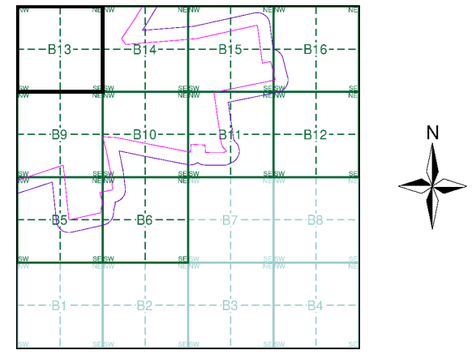

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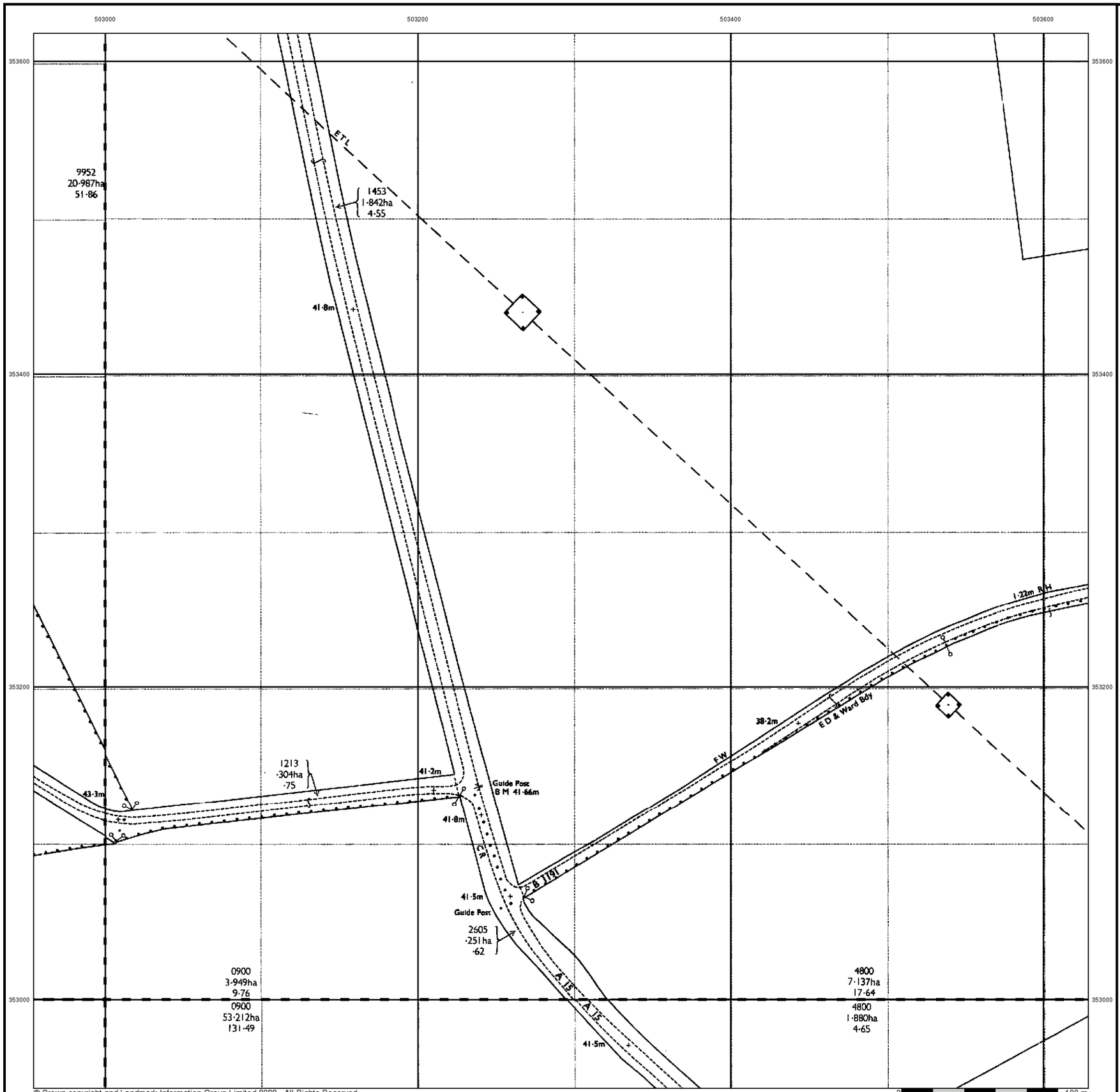

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Ordnance Survey Plan

Published 1979

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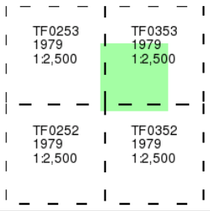
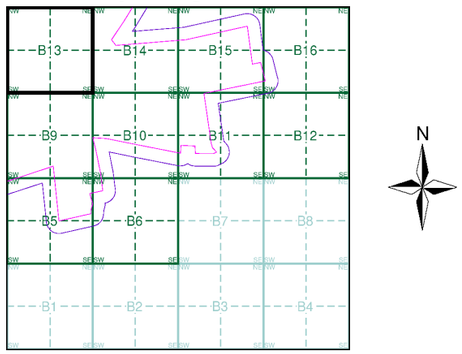


Historical Map - Segment B13



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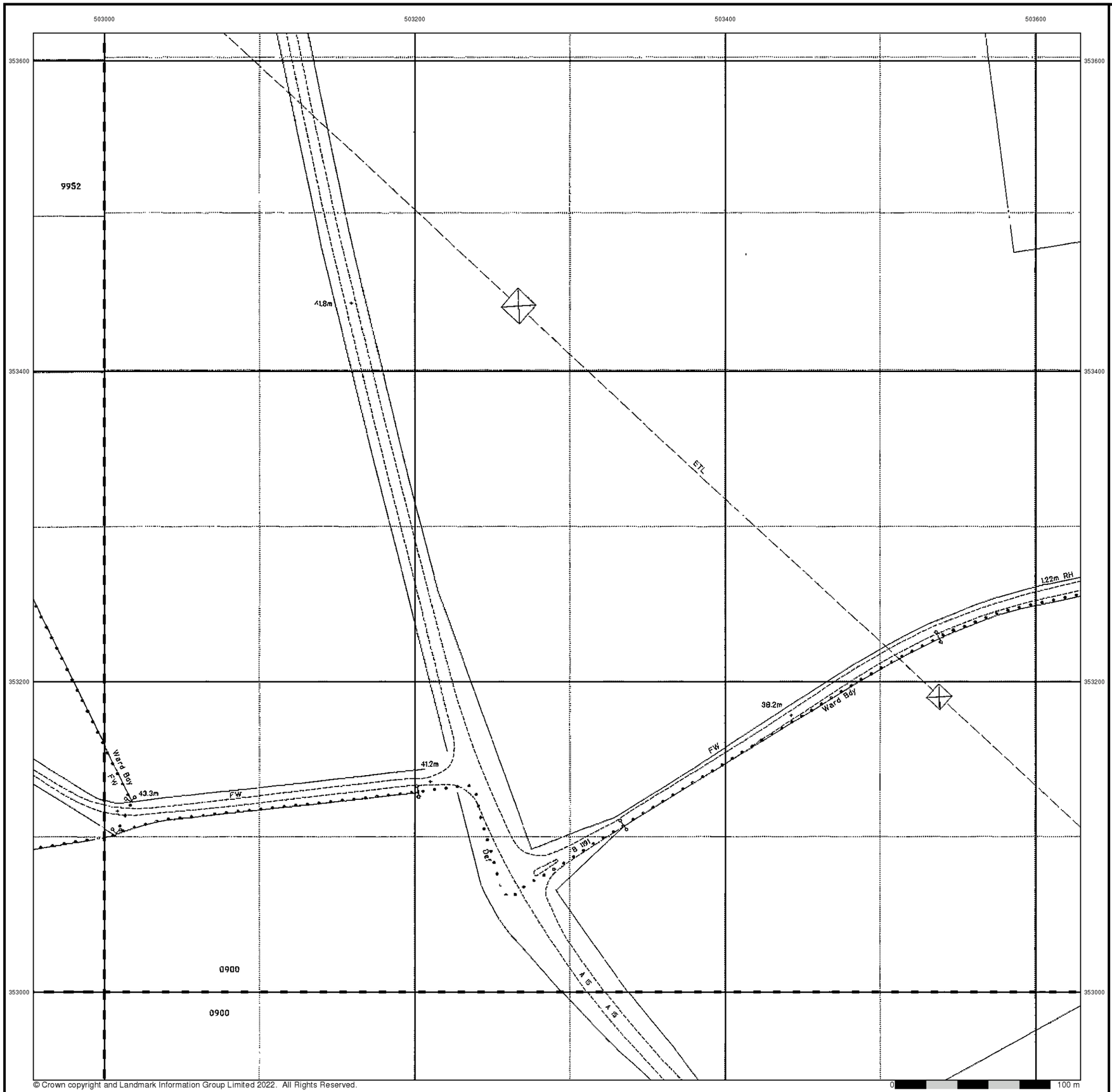

Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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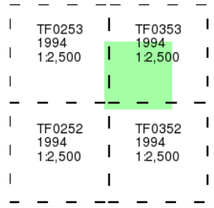
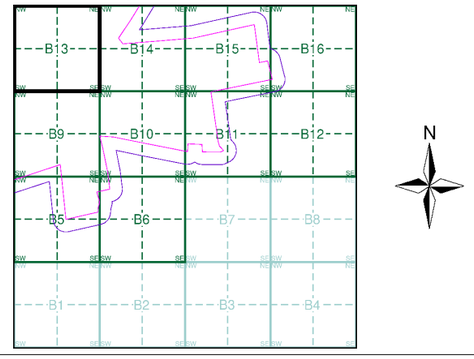


Historical Map - Segment B13



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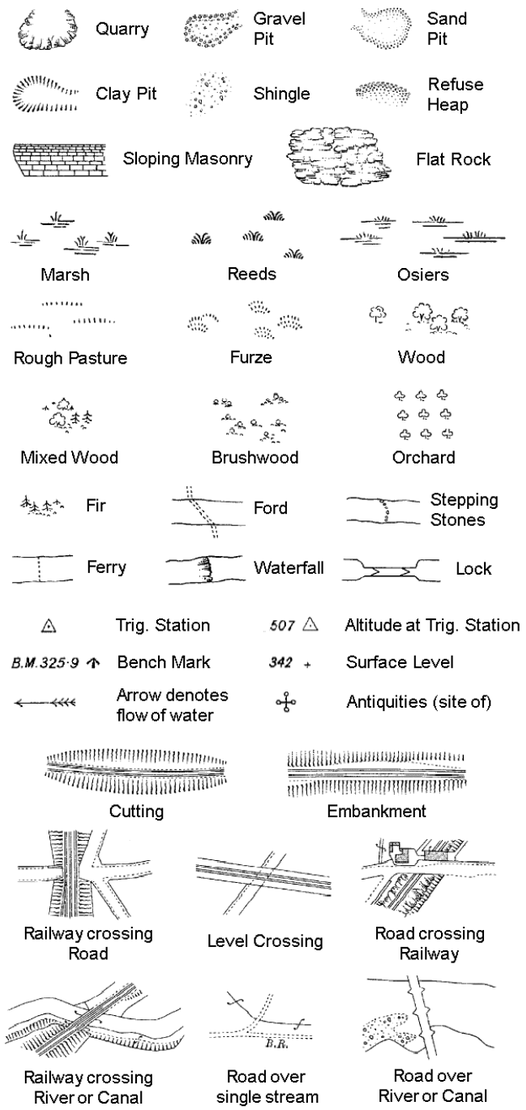
Historical Mapping Legends

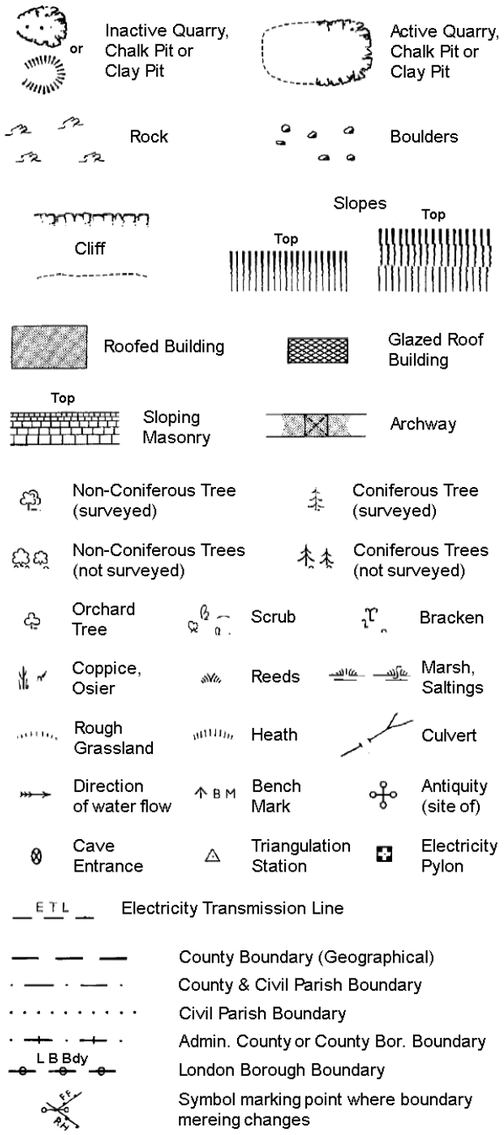
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B.P B.S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

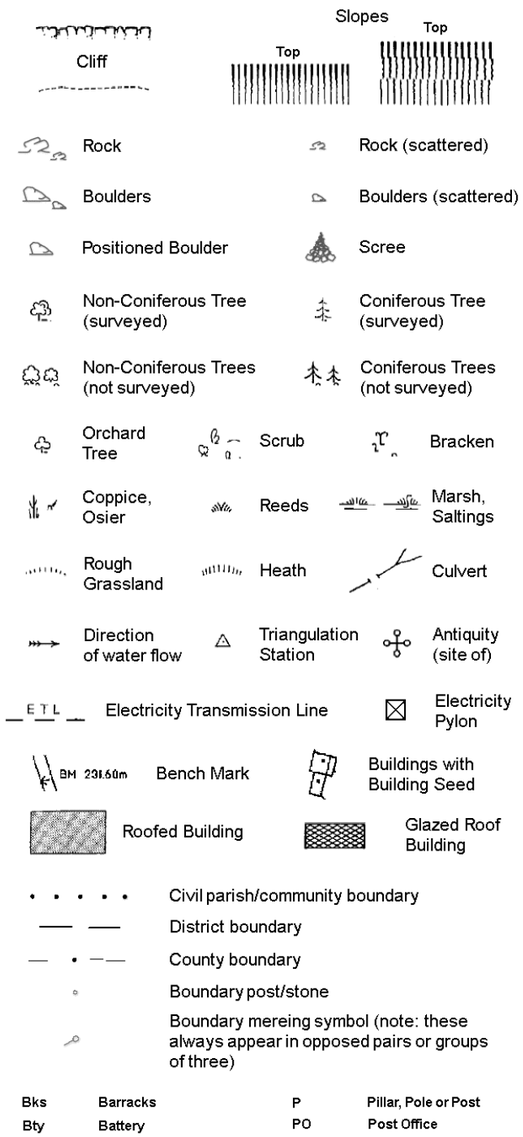
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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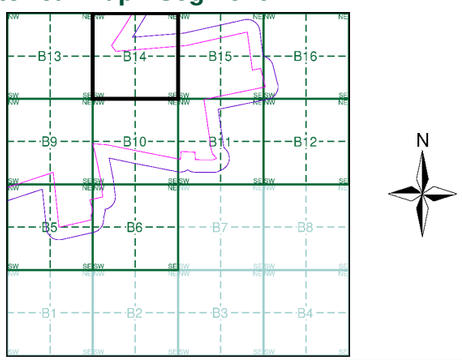
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment B14



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504190, 352440
Slice: B
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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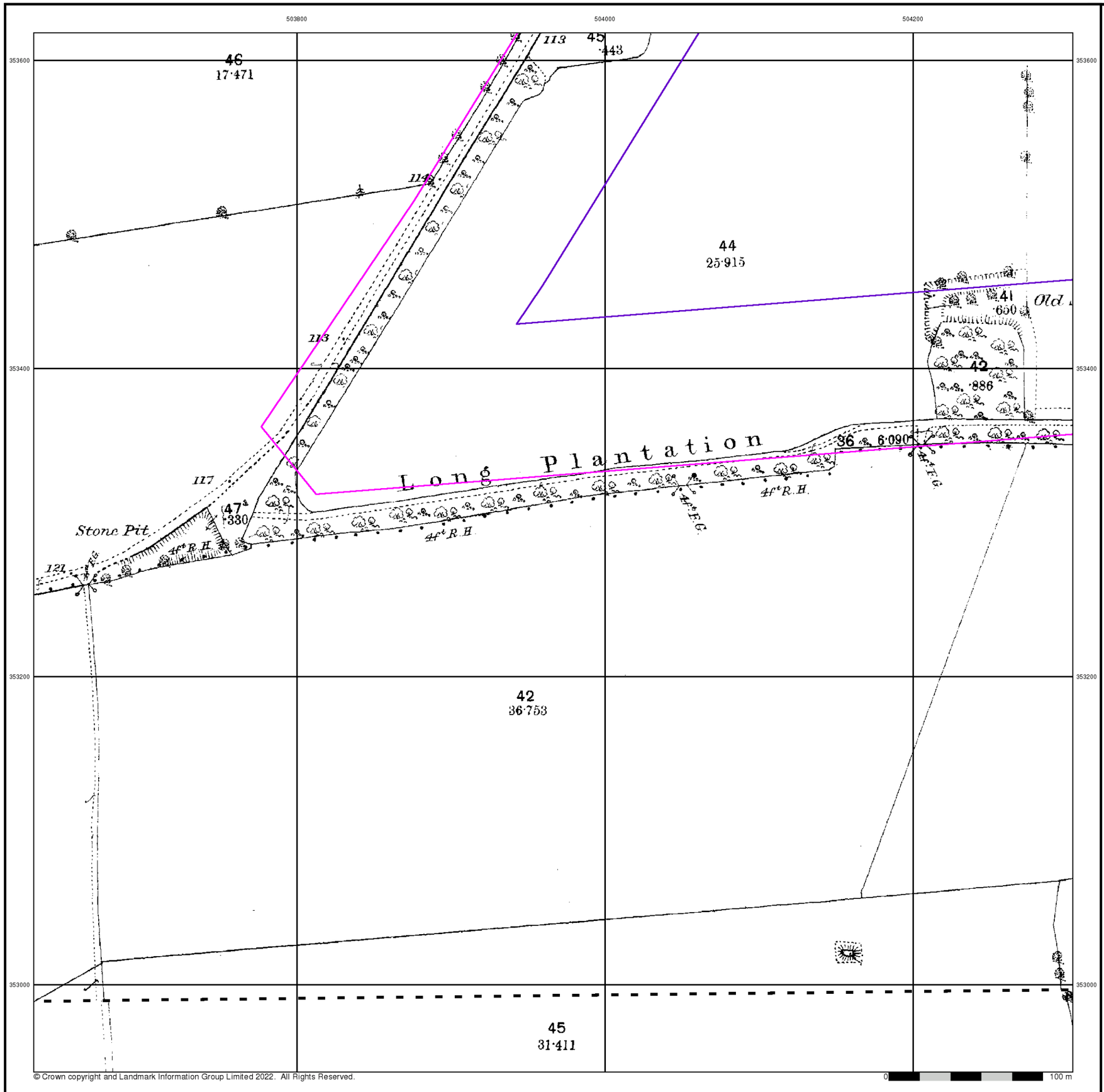

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Lincolnshire

Published 1888

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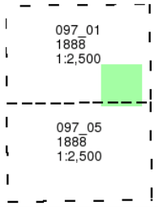

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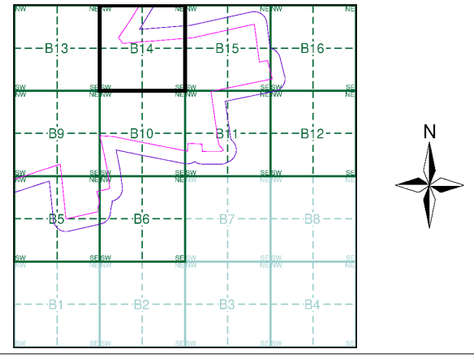

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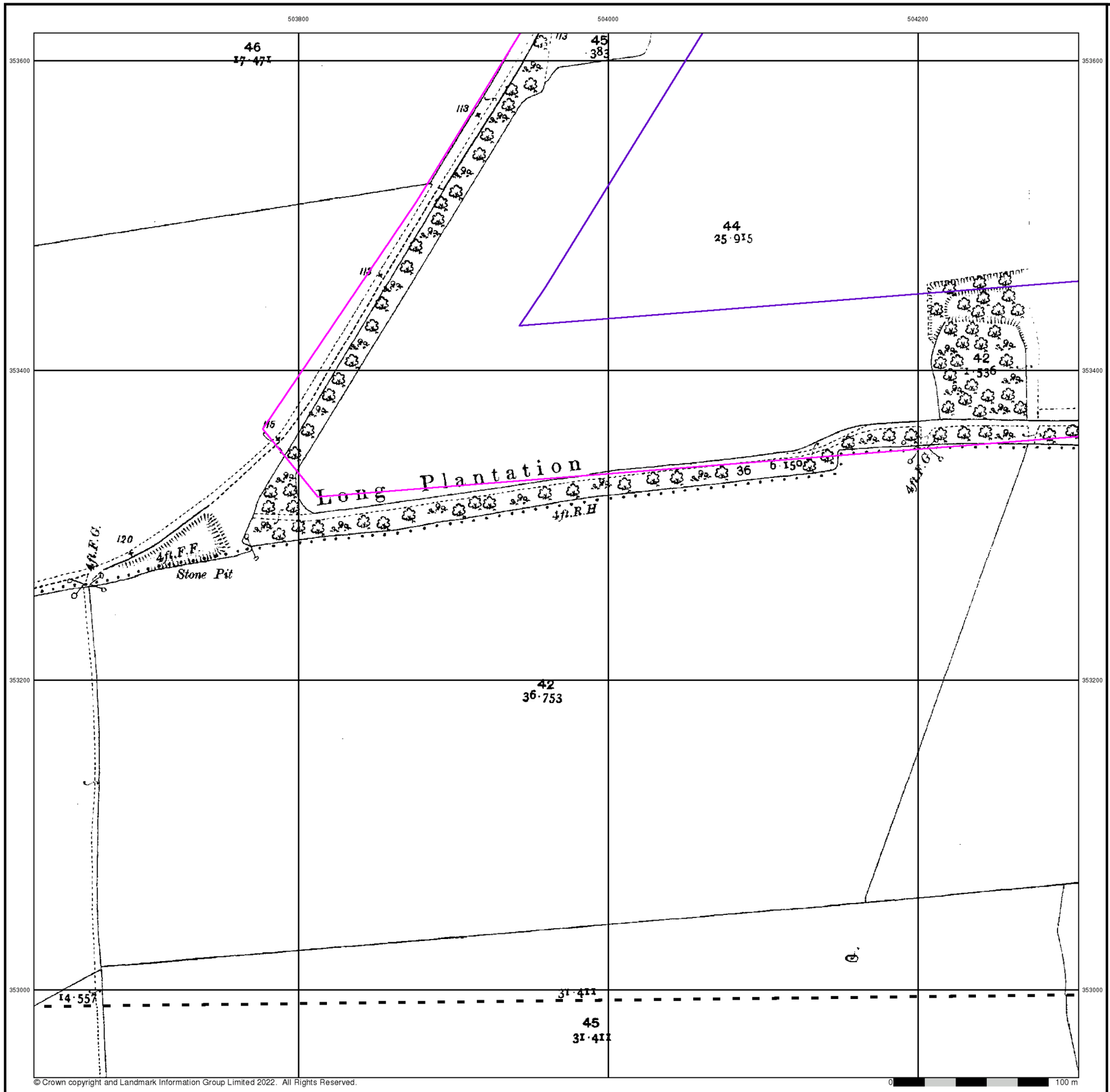

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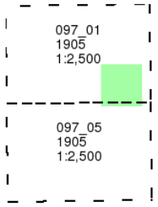

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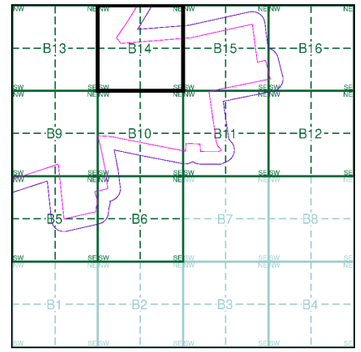

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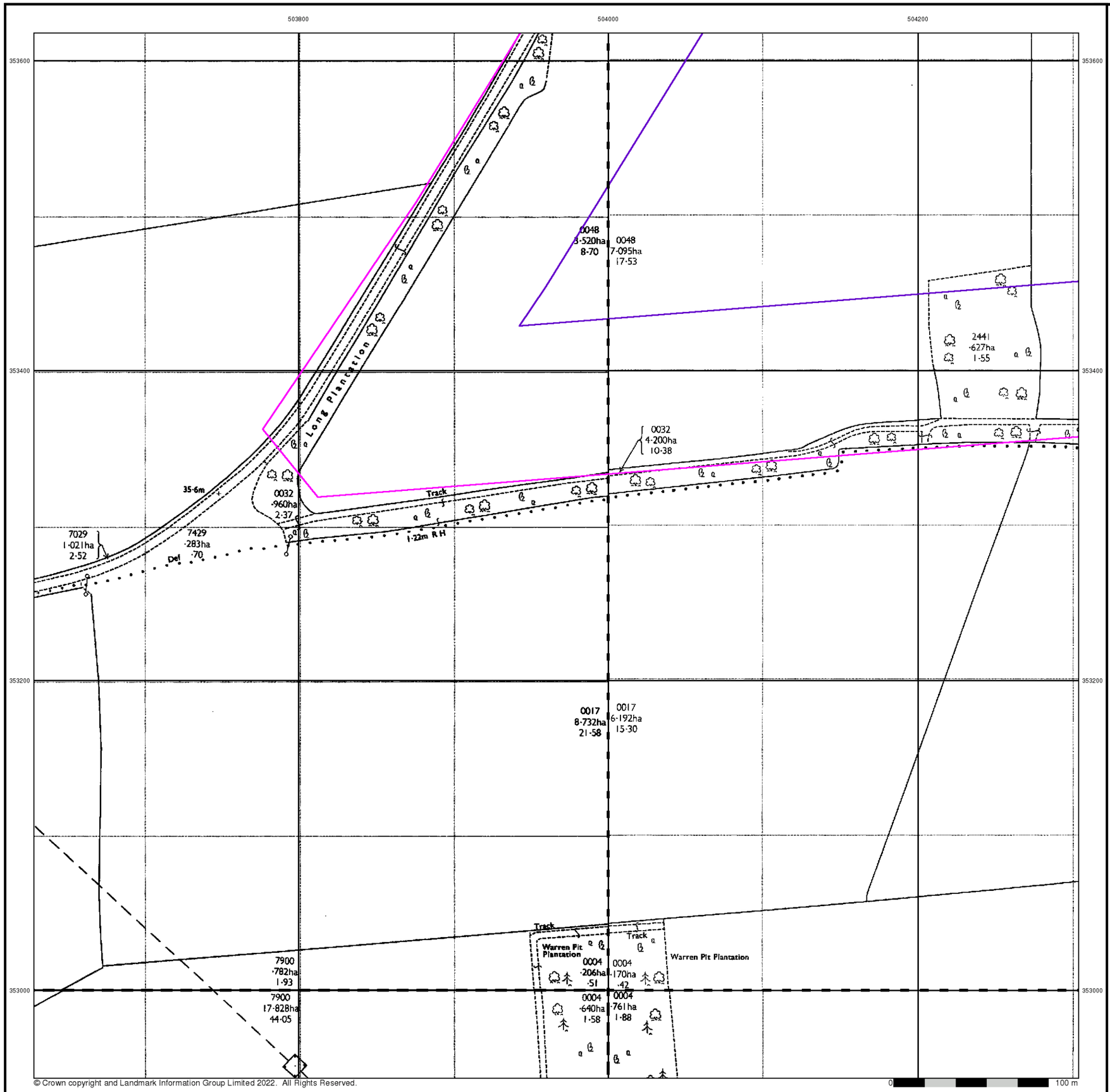

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Ordnance Survey Plan

Published 1979

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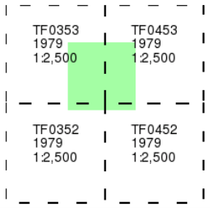

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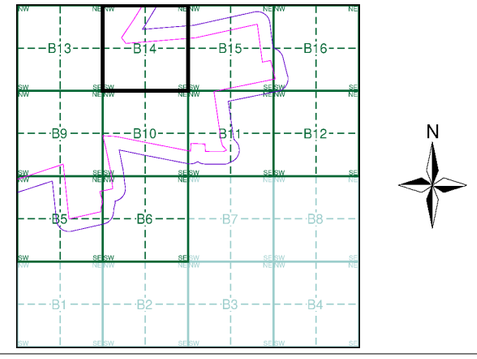

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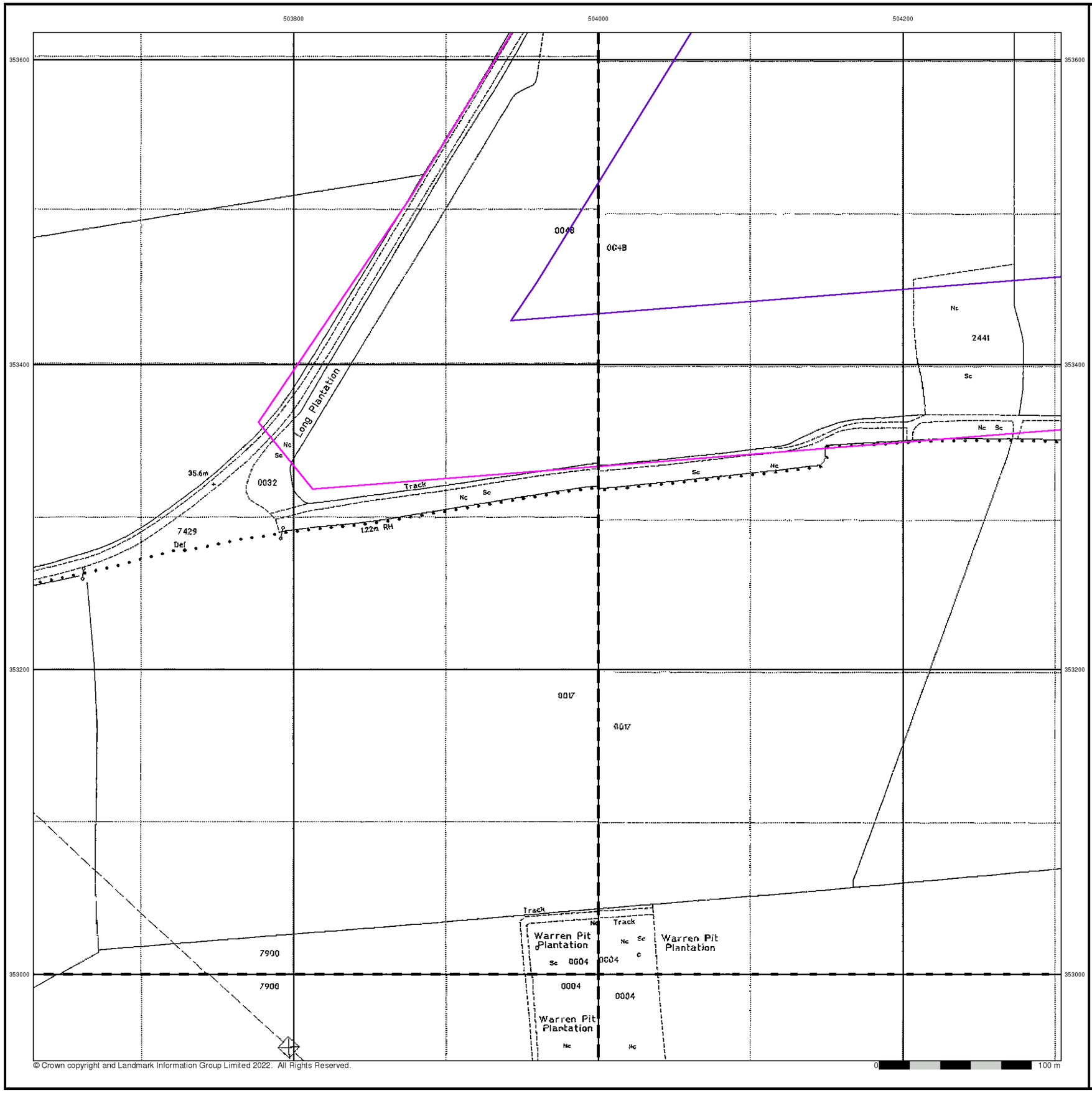

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Large-Scale National Grid Data

Published 1994

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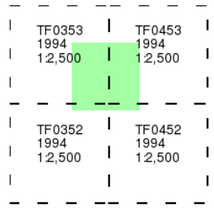

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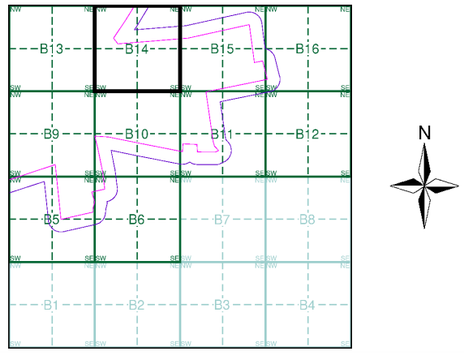

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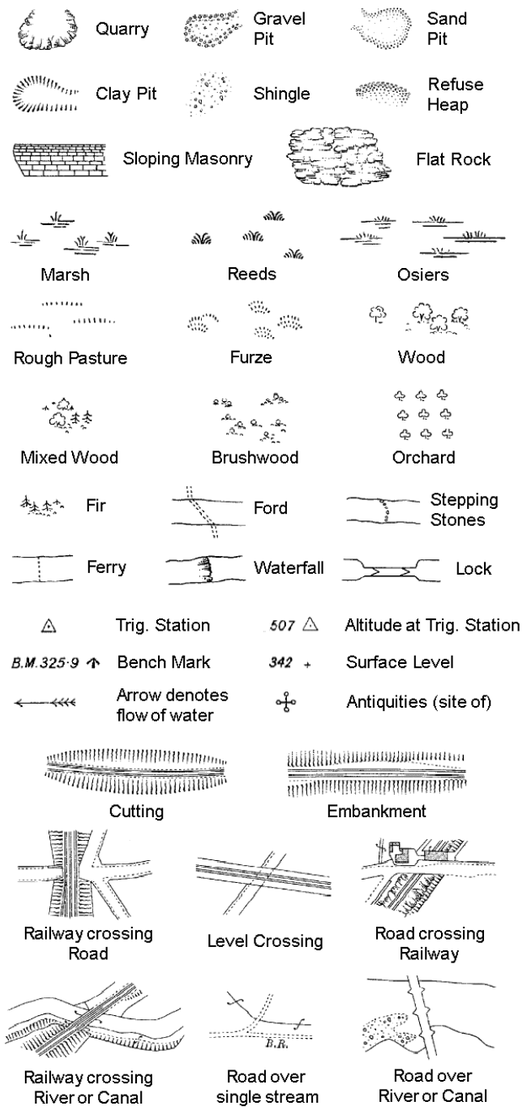
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
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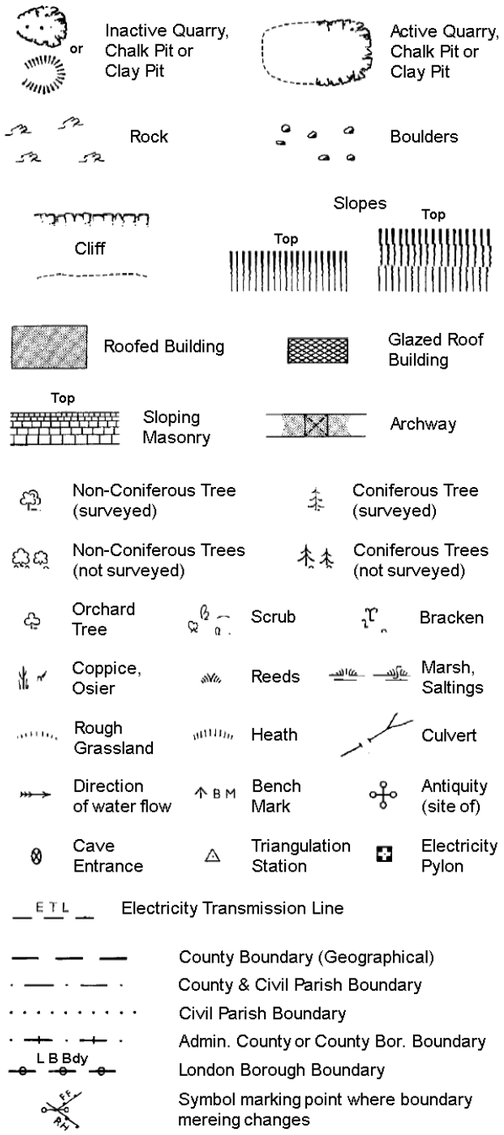
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

Admin. County or County Bor. Boundary

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Symbol marking point where boundary mereing changes

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LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
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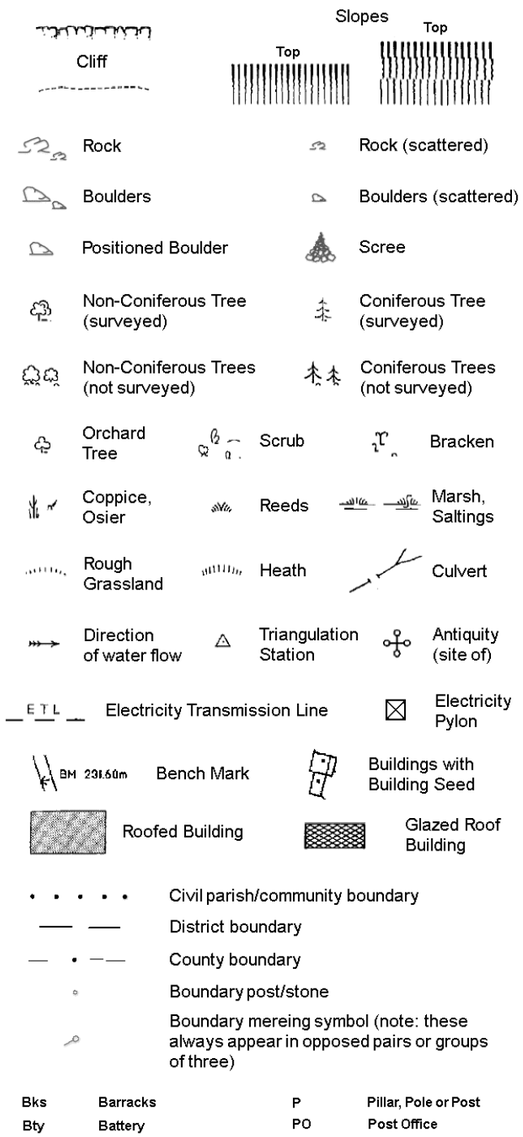
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

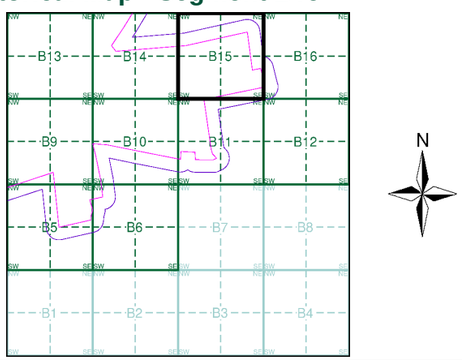
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment B15



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504190, 352440
Slice: B
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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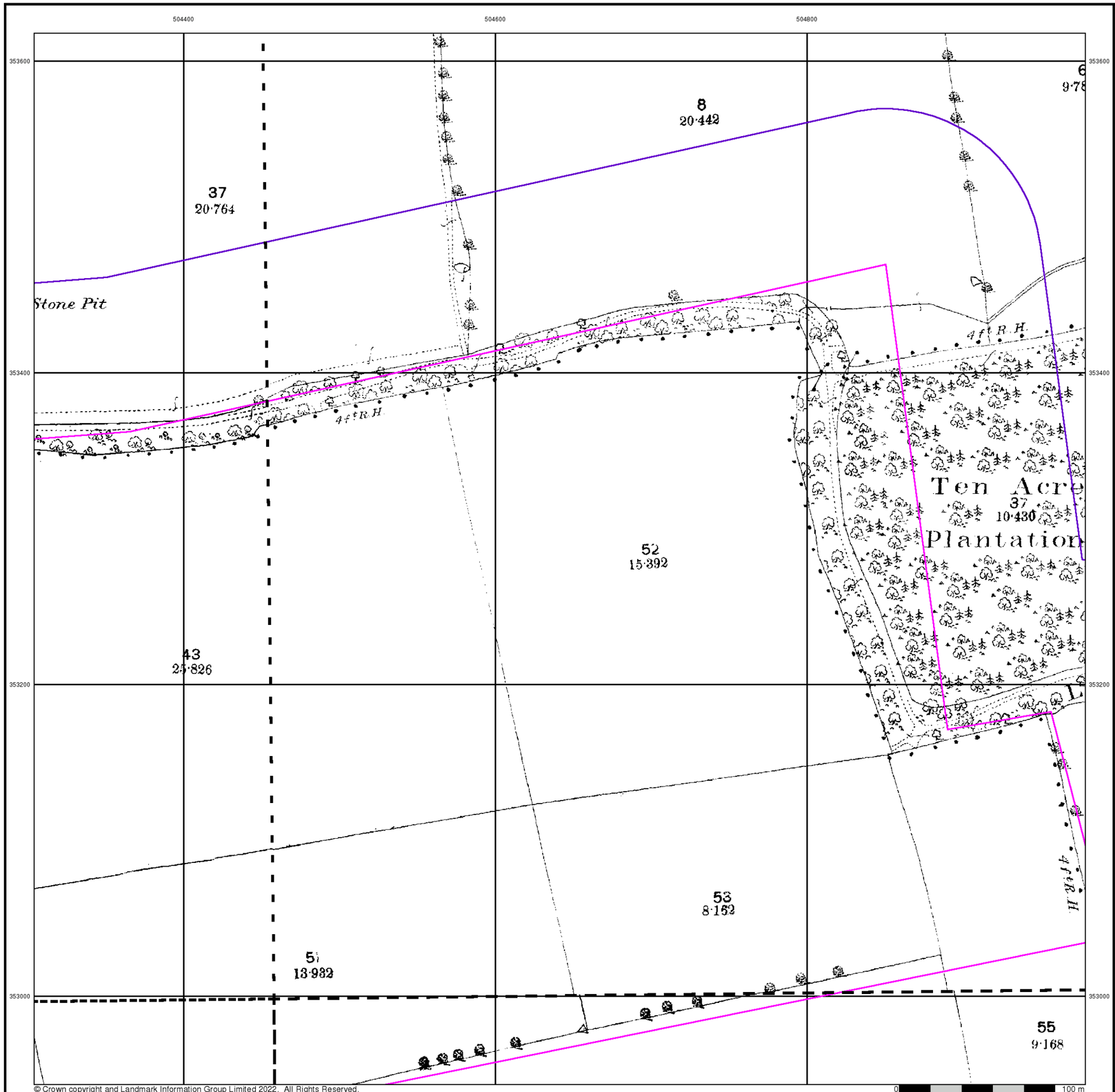

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RSK

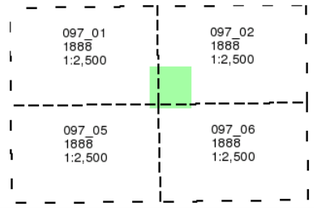
Lincolnshire

Published 1888

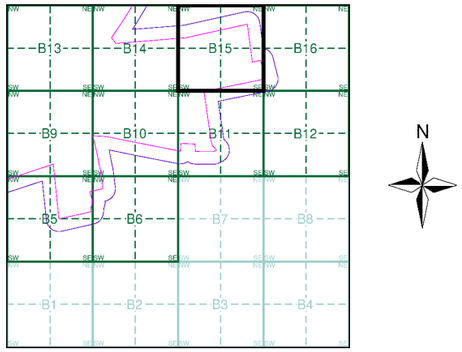
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment B15



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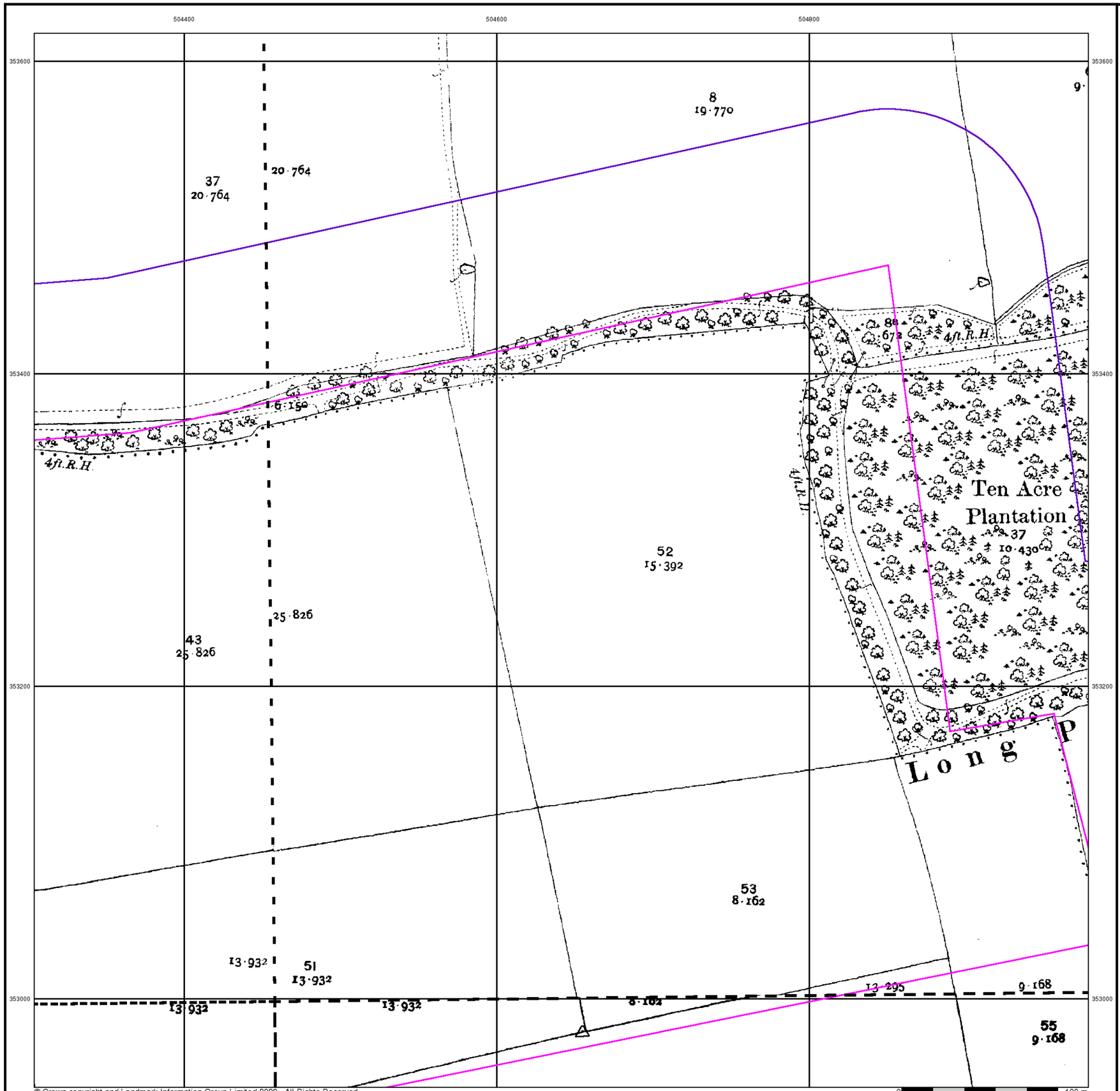

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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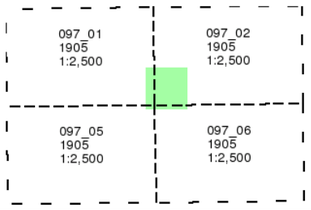

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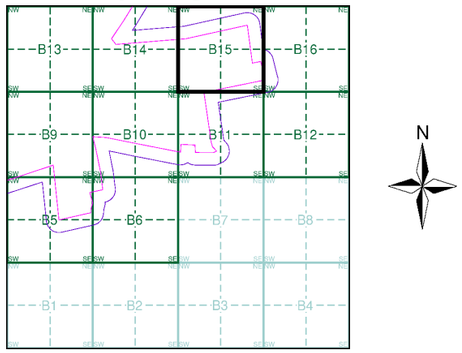

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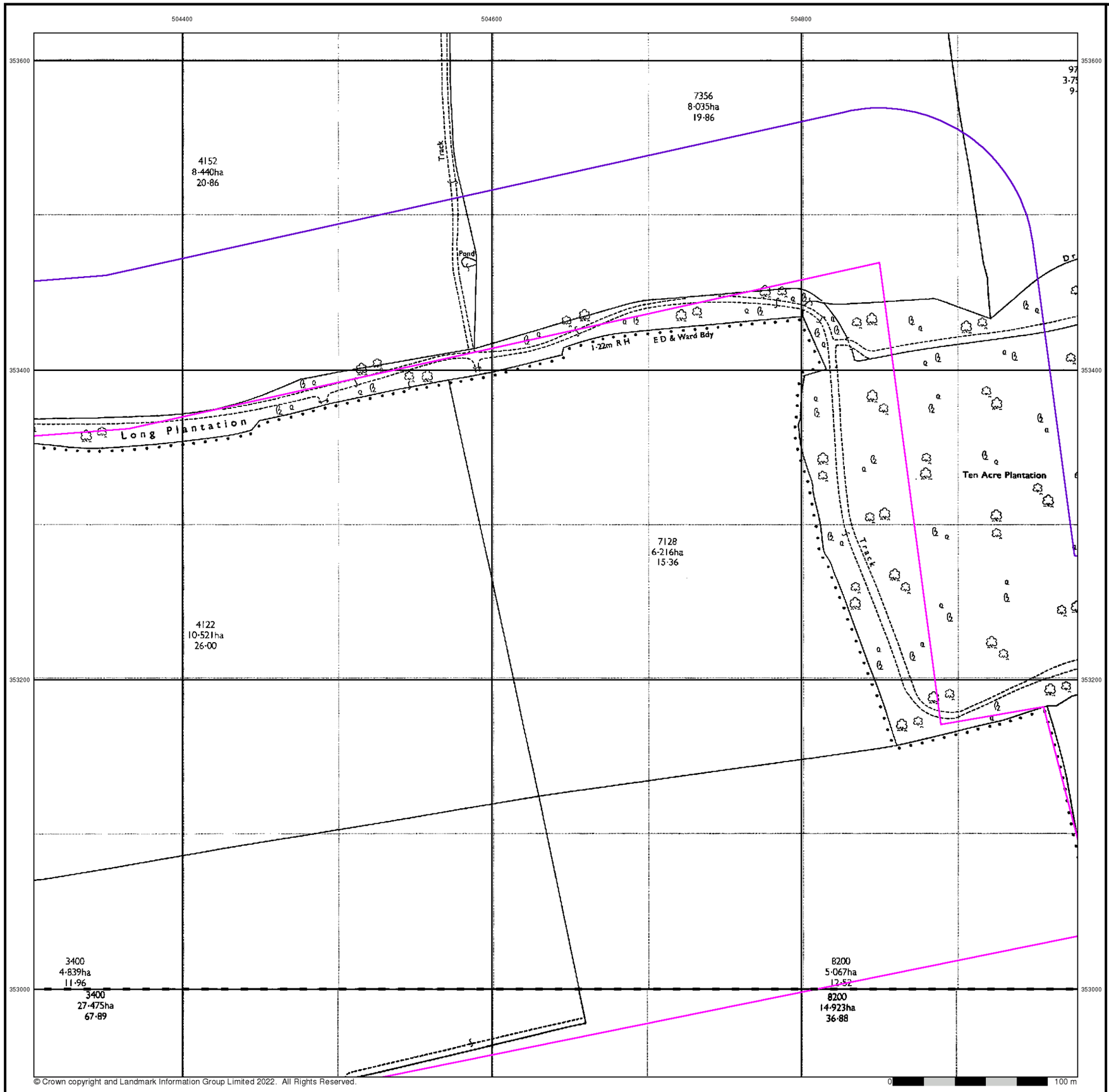

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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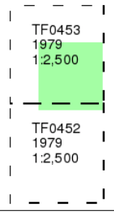
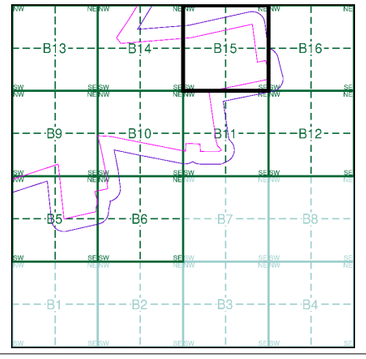
Map Name(s) and Date(s)



Historical Map - Segment B15



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Site Details

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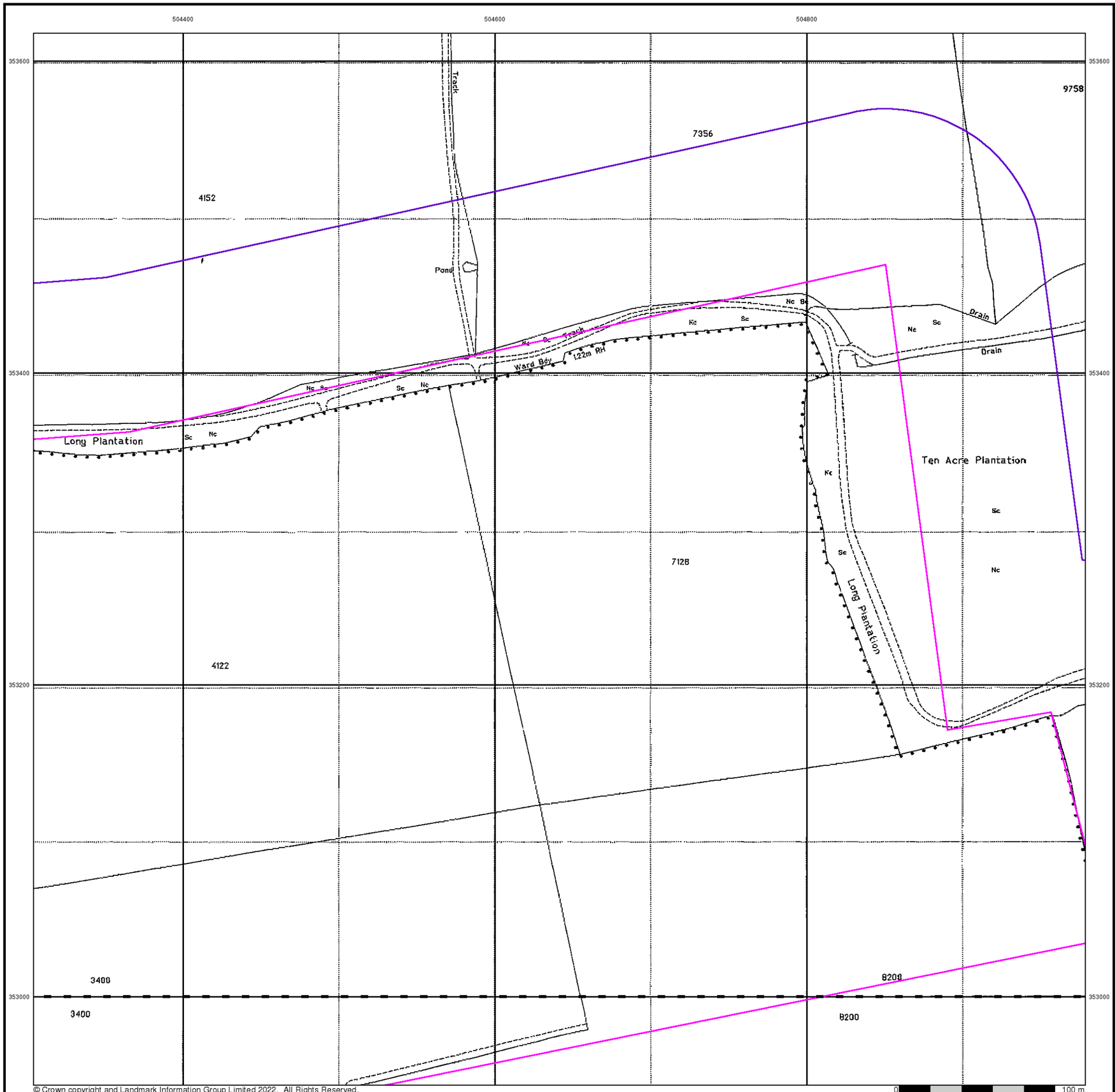

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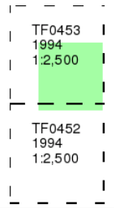
Large-Scale National Grid Data

Published 1994

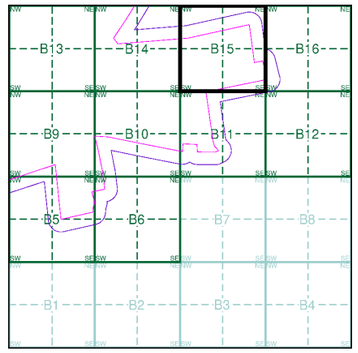
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment B15



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504190, 352440
Slice:	B
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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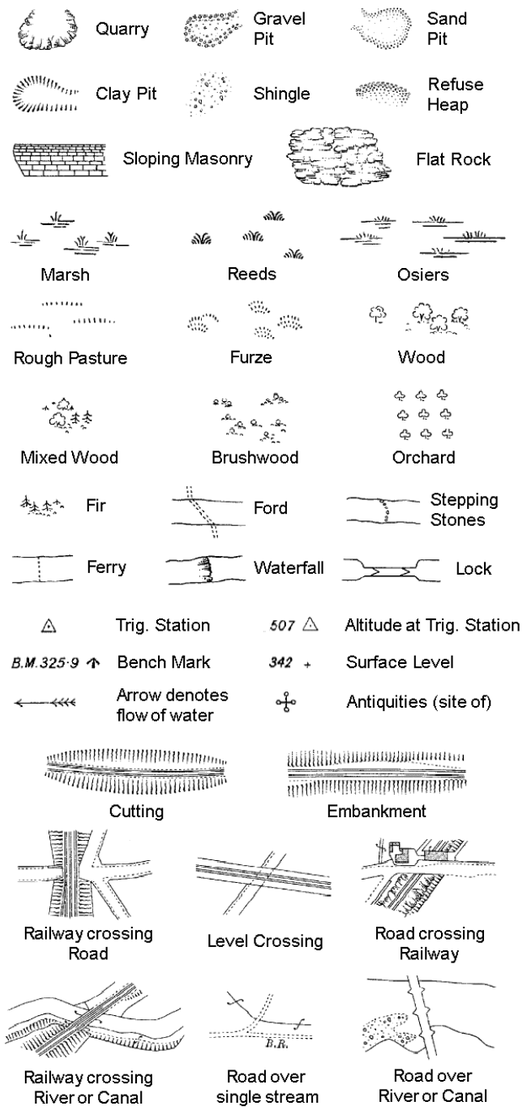
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

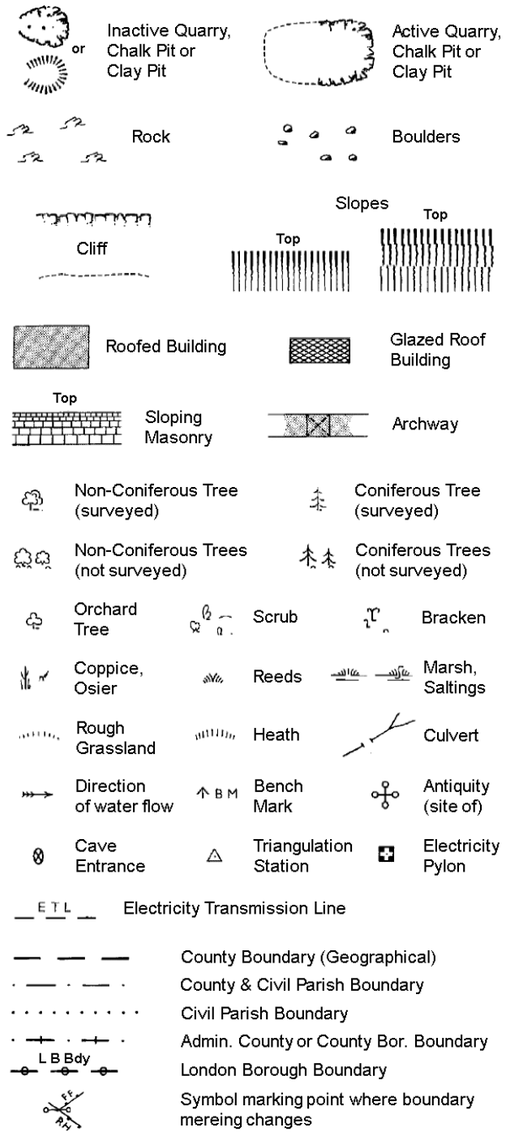
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

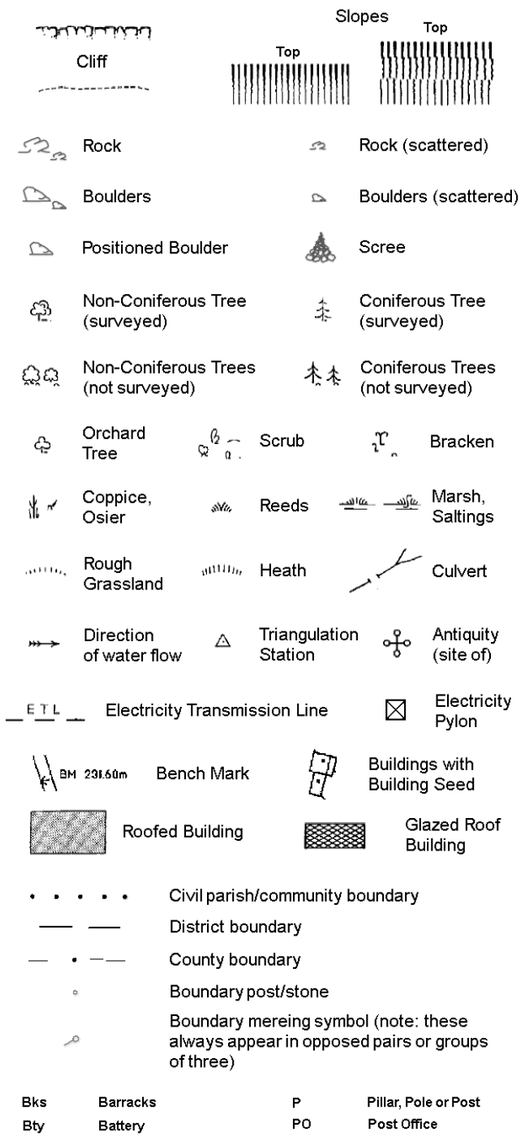
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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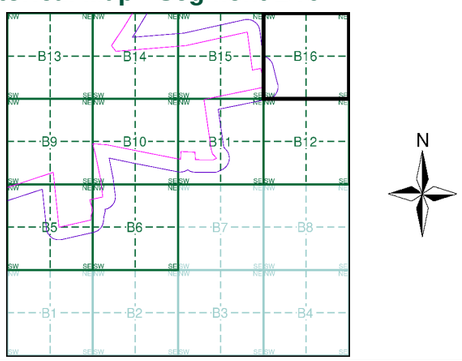
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment B16



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504190, 352440
Slice: B
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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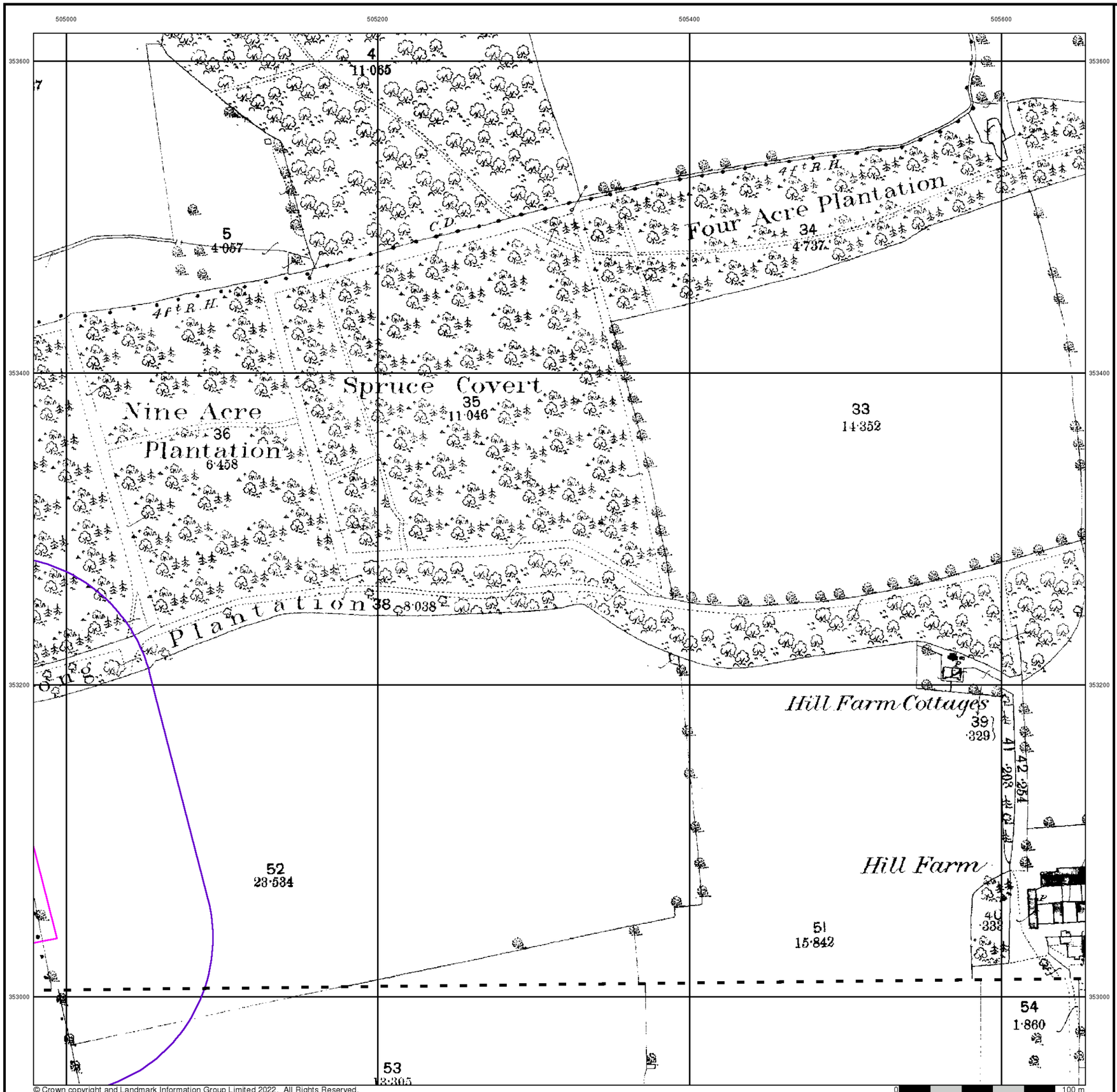
Web: www.envirocheck.co.uk



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RSK

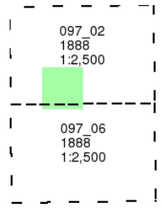
Lincolnshire

Published 1888

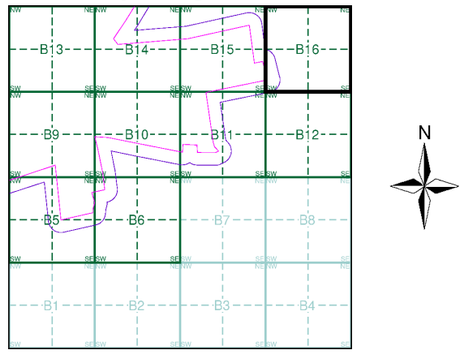
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment B16



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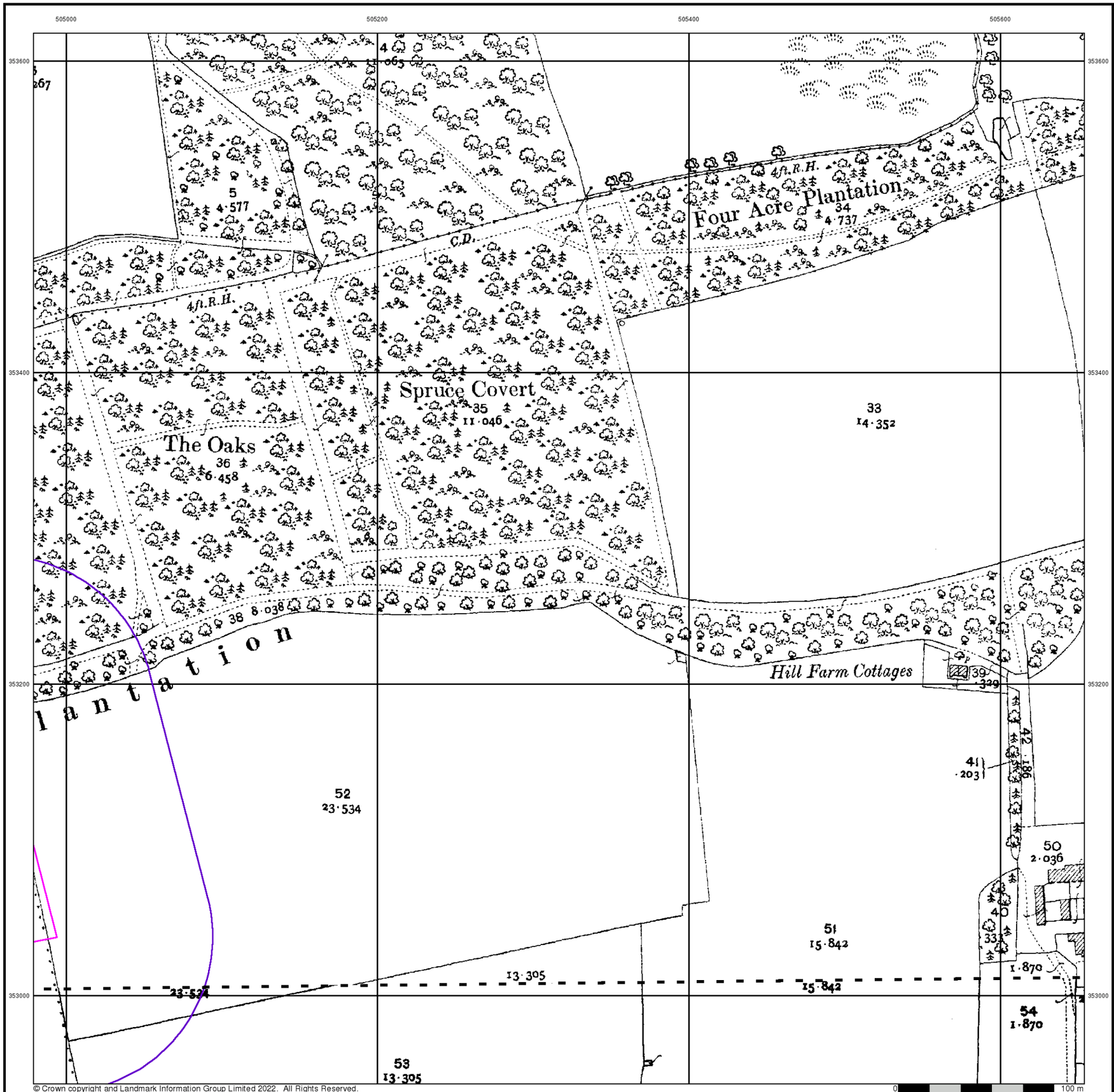

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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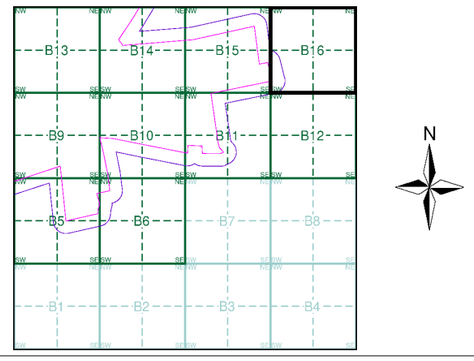
Map Name(s) and Date(s)

097_02
1905
1:2,500

097_06
1905
1:2,500

Historical Map - Segment B16



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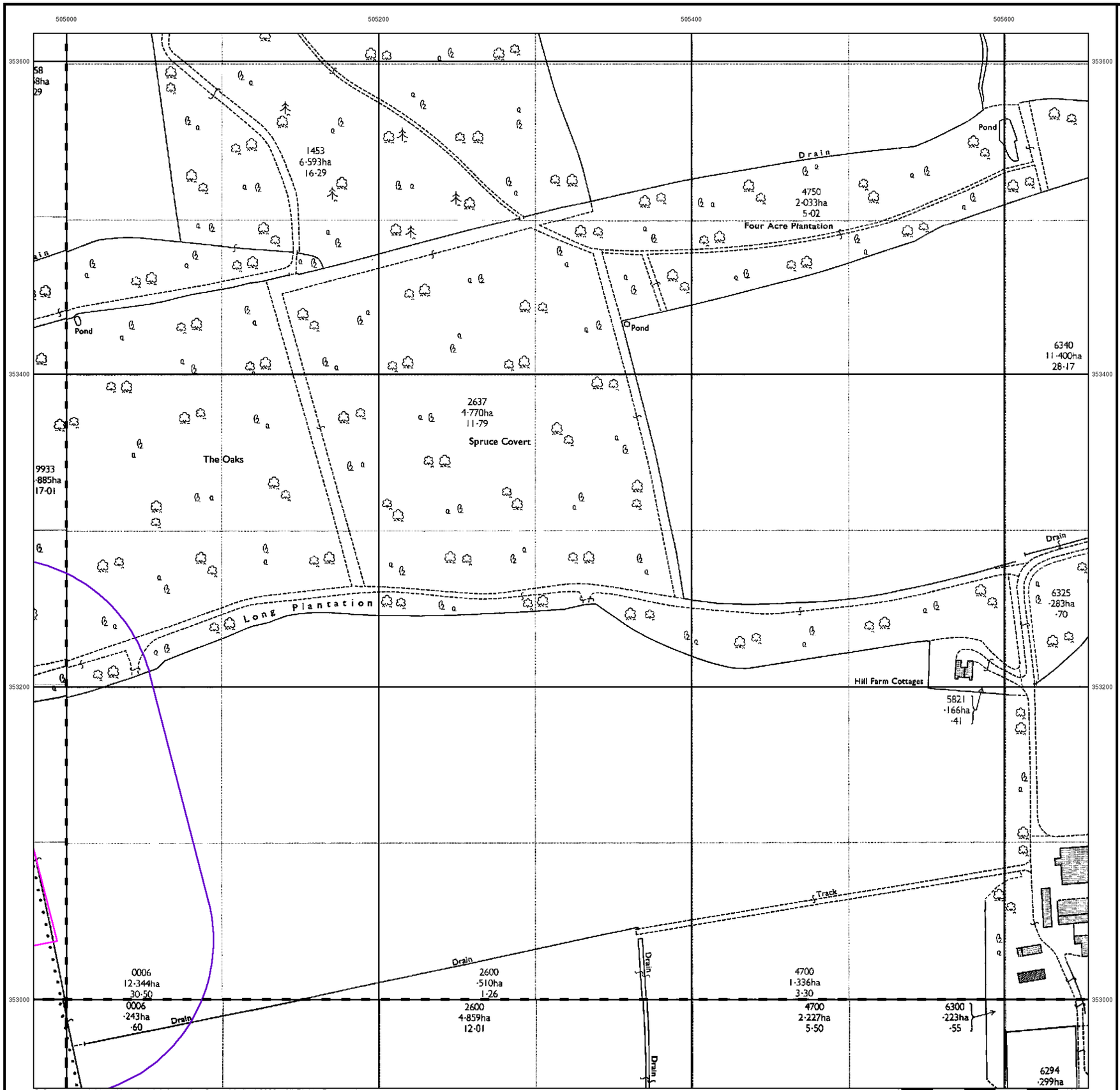

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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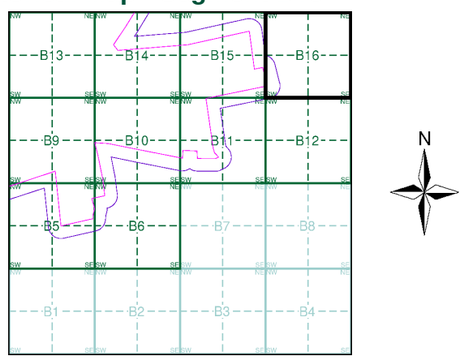
Map Name(s) and Date(s)

TF0453 1979 1:2,500	TF0553 1979 1:2,500
TF0452 1979 1:2,500	TF0552 1979 1:2,500

Historical Map - Segment B16



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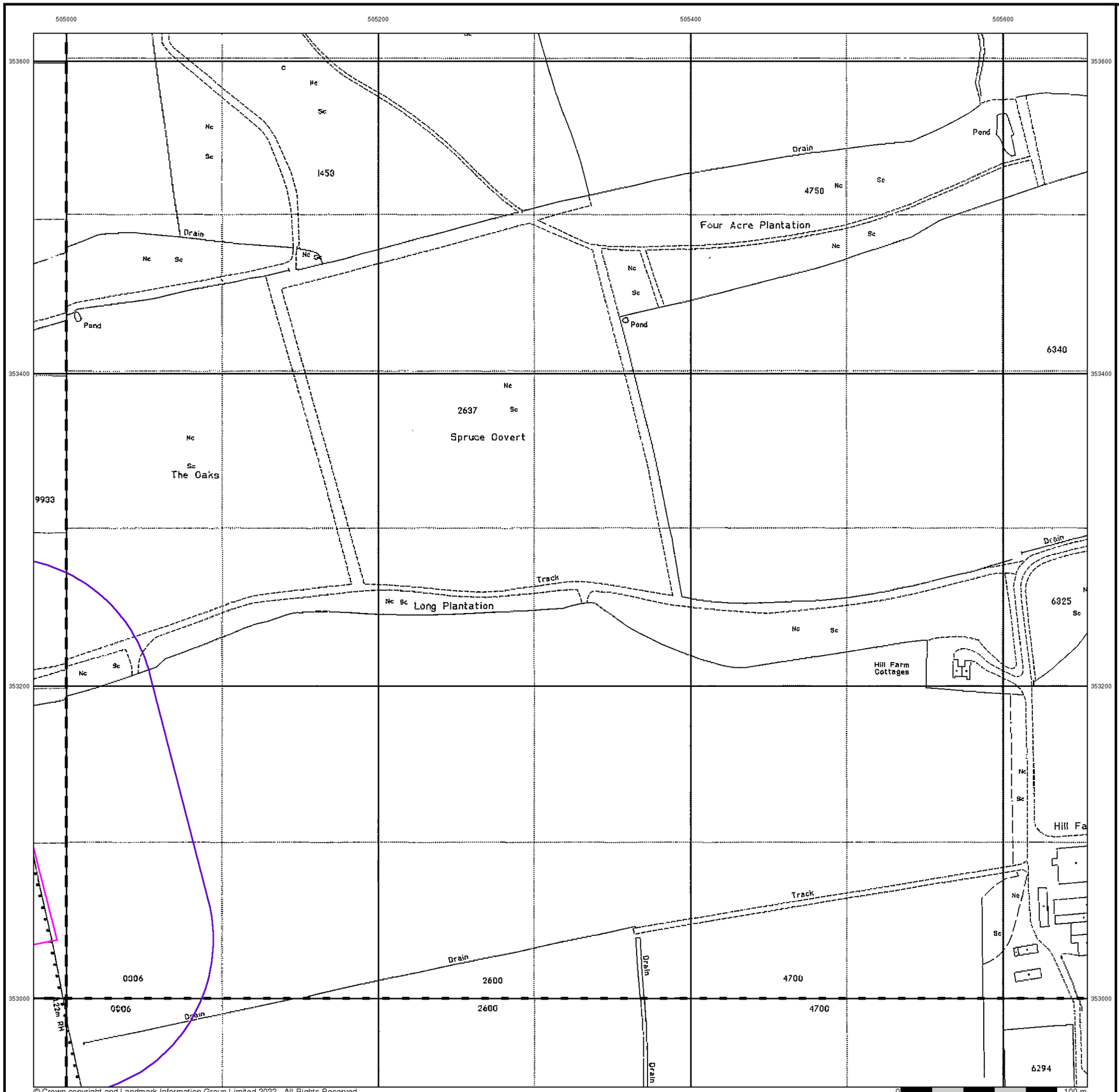

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RSK

Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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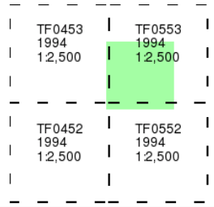
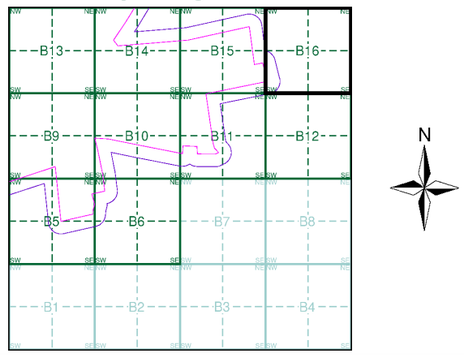
Map Name(s) and Date(s)



Historical Map - Segment B16



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Search Buffer (m):	100

Site Details

All Areas New

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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX D3 ENVIRONMENTAL DATABASE REPORT – ZONE C

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
505800, 353020

Slice:
C

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:
All Areas New

Client Details:
Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	-
Geological	10
Industrial Land Use	-
Sensitive Land Use	11
Data Currency	12
Data Suppliers	16
Useful Contacts	17

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Radon Potential dataset Copyright Notice

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1				Yes
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2				5 (*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 3	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 5	3	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 5	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones	pg 6	1			
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 6				24

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 9	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 10	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 10		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 10		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 10		Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 10		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 10		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 11	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	505000 353350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	505000 353022
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C13SW (W)	6	1	505797 353022
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	24	1	505050 353950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	29	1	505300 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	30	1	505300 354300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	139	1	505200 353450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	145	1	505150 353700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	205	1	505000 352800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C9NW (SW)	208	1	505700 352900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	225	1	505400 354050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	225	1	505000 352400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	234	1	505200 352800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	253	1	505250 353750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	263	1	505200 353700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	328	1	505200 352750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	342	1	505100 352700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	377	1	505797 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C9NW (S)	392	1	505700 352700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	463	1	505450 353700
	Nearest Surface Water Feature	(NW)	649	-	505632 353212

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Water Abstractions** Operator: Tj Hinchley Licence Number: 4/30/11/*G/0017 Permit Version: 101 Location: Hill Farm Well Bloxholm Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C13SW (W)	687	2	505680 353020
1	**Water Abstractions** Operator: S J Wright & Co (Farmers) Ltd Licence Number: 4/30/11/*G/0017 Permit Version: 100 Location: Hill Farm Well Bloxholm Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	C13SW (W)	687	2	505680 353020
2	**Water Abstractions** Operator: S J Wright & Co (Farmers) Ltd Licence Number: 4/30/11/*G/0102 Permit Version: 100 Location: Catchpit Hill Farm Bloxholm Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 1st September 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	C9NW (S)	874	2	505800 352700
2	**Water Abstractions** Operator: Bowlby Enterprises Licence Number: 4/30/11/*G/0102 Permit Version: 102 Location: Catchpit Hill Farm Bloxholm Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 10th June 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C9NW (S)	921	2	505850 352700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Water Abstractions** Operator: Tj Hinchley Licence Number: 4/30/11/*G/0102 Permit Version: 101 Location: Catchpit Hill Farm Bloxholm Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 6th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	C9NW (S)	921	2	505850 352700
	Water Abstractions Operator: R H Elkington Licence Number: 4/30/11/*G/0060b Permit Version: 100 Location: Cottage Farm Bore Bloxholm Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st May 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	C5SW (S)	1326	2	505750 351800
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	504987 353447
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	505000 352995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505000 353590
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	505000 353227
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	505000 352811
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	505000 353000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505000 354000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505000 353369
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	505000 353022
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(W)	0	3	505000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(W)	0	3	505000 353022
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(NW)	0	3	505000 354000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(NW)	0	3	504987 353447
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(NW)	0	3	505000 353590
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(W)	0	3	505000 352995
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(W)	0	3	505000 352811
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(W)	0	3	505000 353022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(W)	0	3	505000 352754
3	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	C13SW (W)	0	2	505797 353022
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
4	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 102.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	(NW)	647	4	505632 353212
5	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13NW (NW)	661	4	505659 353297
6	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	C9NW (SW)	672	4	505655 352902
7	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 214.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C9NW (SW)	687	4	505686 352849
8	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 94.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C9NW (SW)	687	4	505656 352854
9	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13SW (NW)	699	4	505727 353131

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13SW (NW)	739	4	505747 353120
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13SW (NW)	758	4	505751 353120
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 156.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13SW (N)	762	4	505797 353117
13	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 122.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13SW (N)	767	4	505796 353034
14	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 450.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	C9SW (S)	808	4	505913 352374
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 157.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13SW (SE)	887	4	505877 352958
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 83.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13SW (E)	887	4	505881 353017
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C9NW (S)	897	4	505854 352785
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C9NW (S)	910	4	505867 352782

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	C9NW (S)	910	4	505871 352796
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	C9NW (S)	910	4	505873 352802
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 498.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C9NW (S)	910	4	505873 352802
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13SW (NE)	916	4	505906 353121
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 638.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13SW (NE)	920	4	505910 353121
24	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 30.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C13NW (N)	986	4	505873 353546
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C9NW (SE)	990	4	505933 352723
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 359.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	C9NW (SE)	992	4	505933 352718
	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	(SW)	710	4	505654 352760

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	5	505797 353022
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	505797 353022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	C13SW (W)	0	1	505797 353022
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C13NW (N)	31	1	505659 353365
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C13SW (S)	43	1	505806 352956
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C9NW (SW)	232	1	505689 352890
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C13NW (N)	31	1	505659 353365
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C13SW (S)	43	1	505806 352956
	Radon Potential - Radon Affected Areas No Data Available				
	Radon Potential - Radon Protection Measures No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	C13SW (W)	0	3	505797 353022
28	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	C13SW (W)	0	3	505797 353022

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

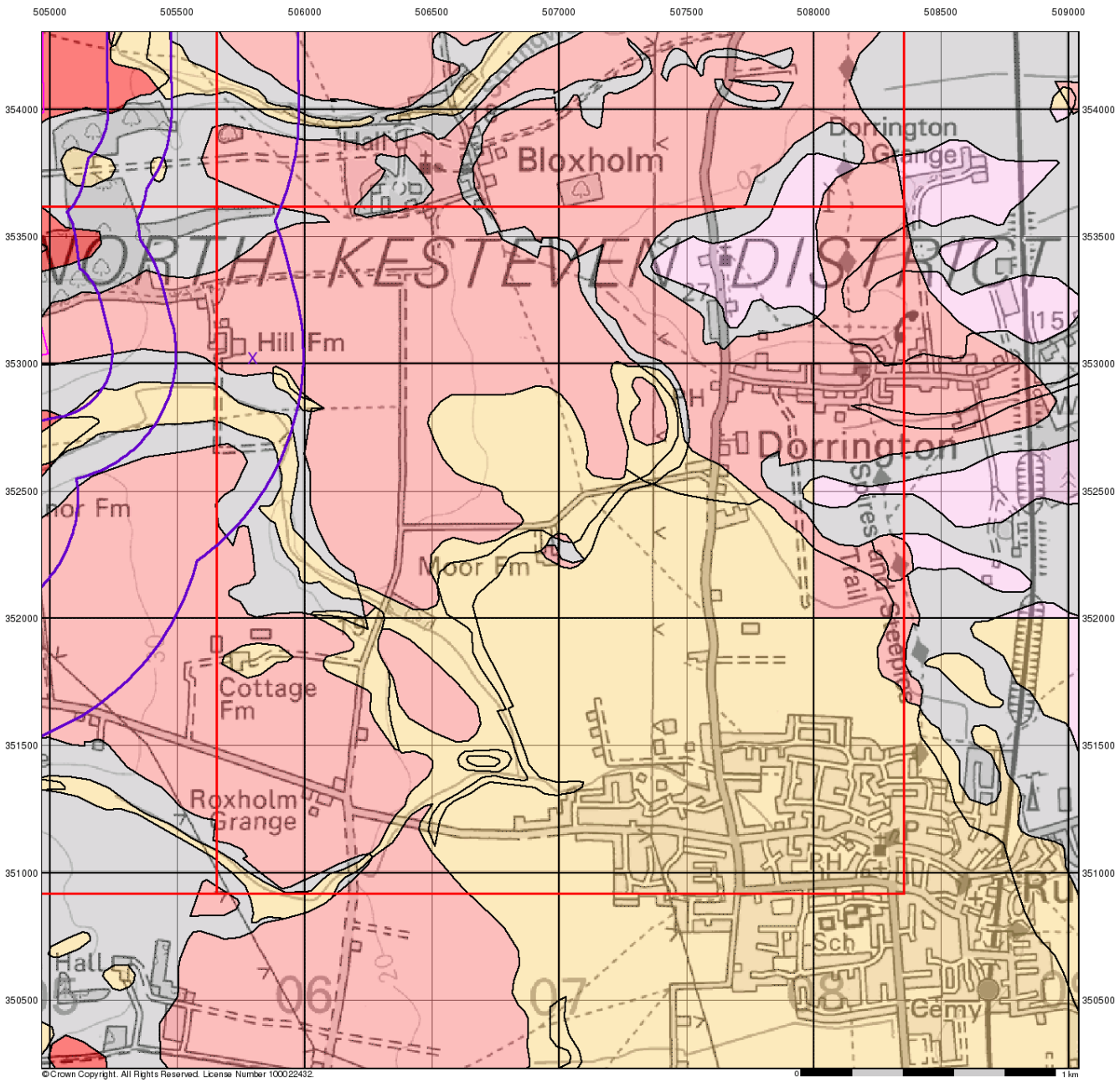
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

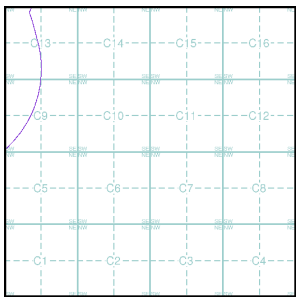
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice C



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505800, 353020
Slice:	C
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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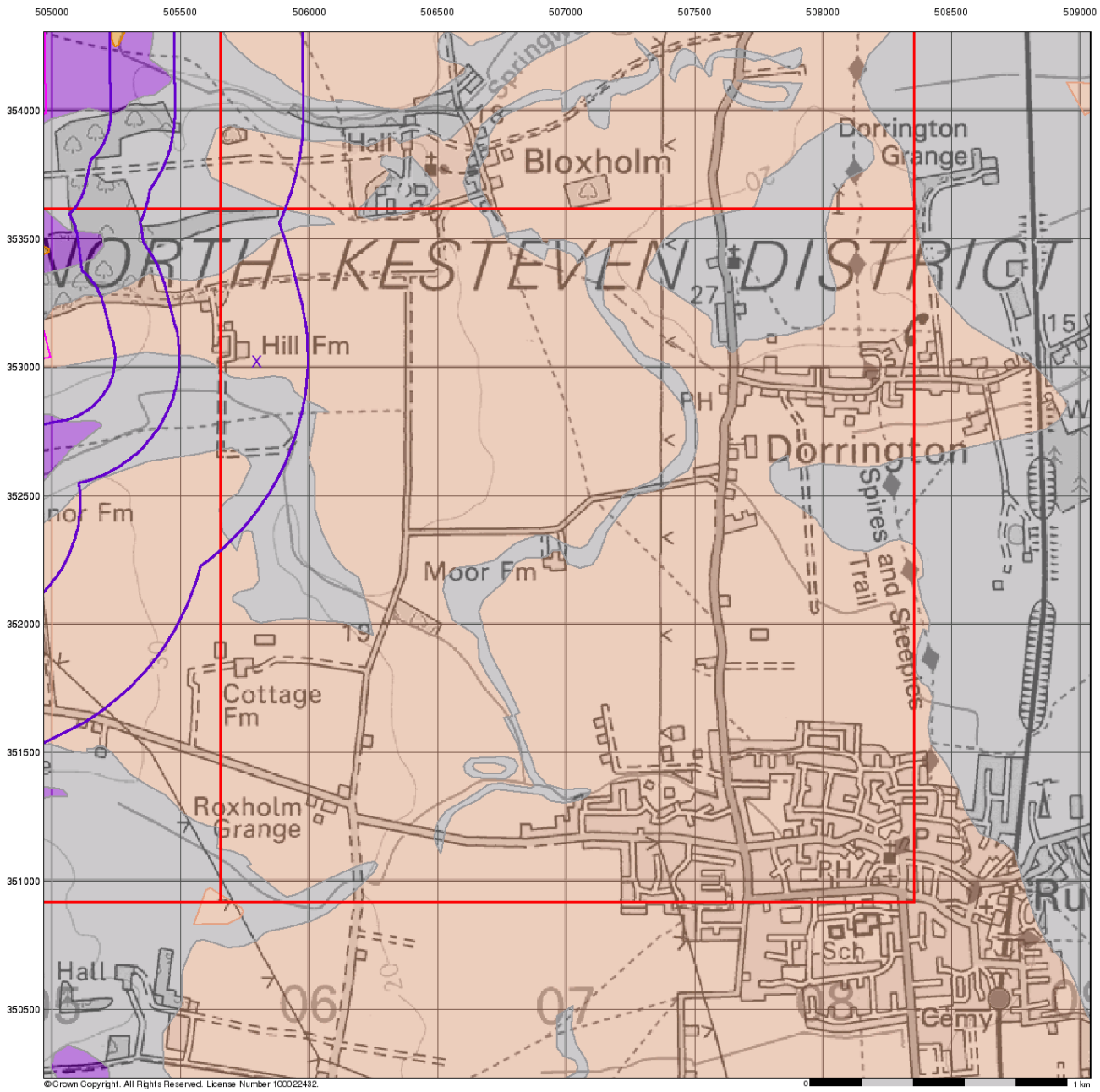
Web: www.envirocheck.co.uk



RSK

Bedrock Aquifer Designation

General

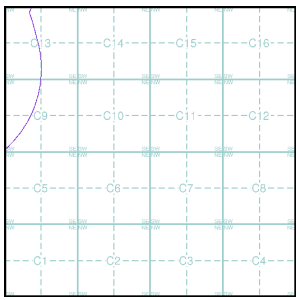
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice C



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Site Details

All Areas New

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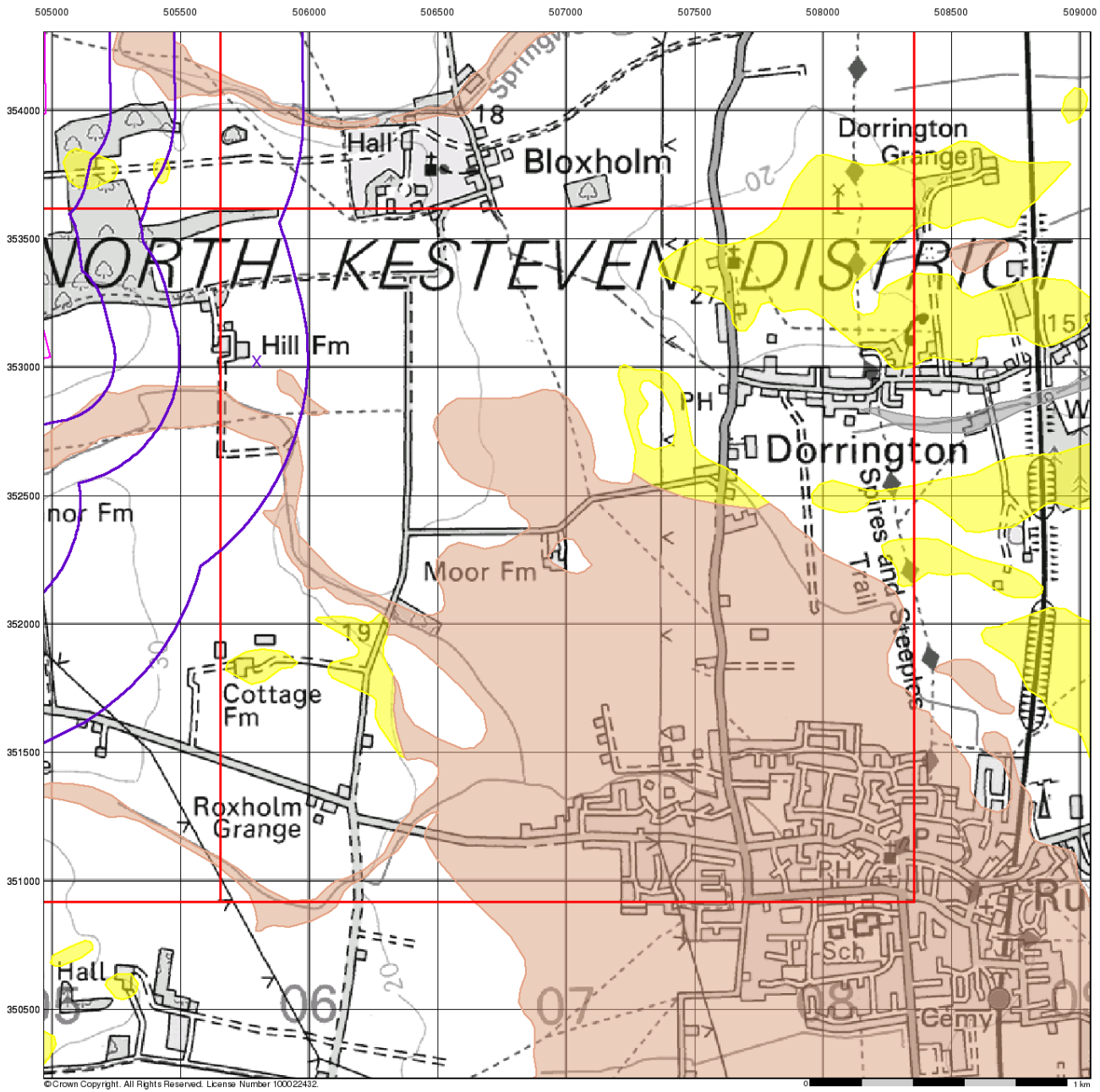


RSK

Superficial Aquifer Designation

General

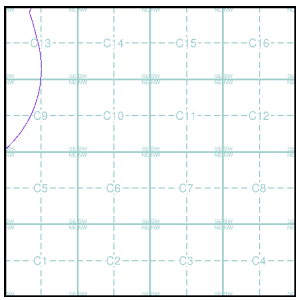
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice C



Order Details

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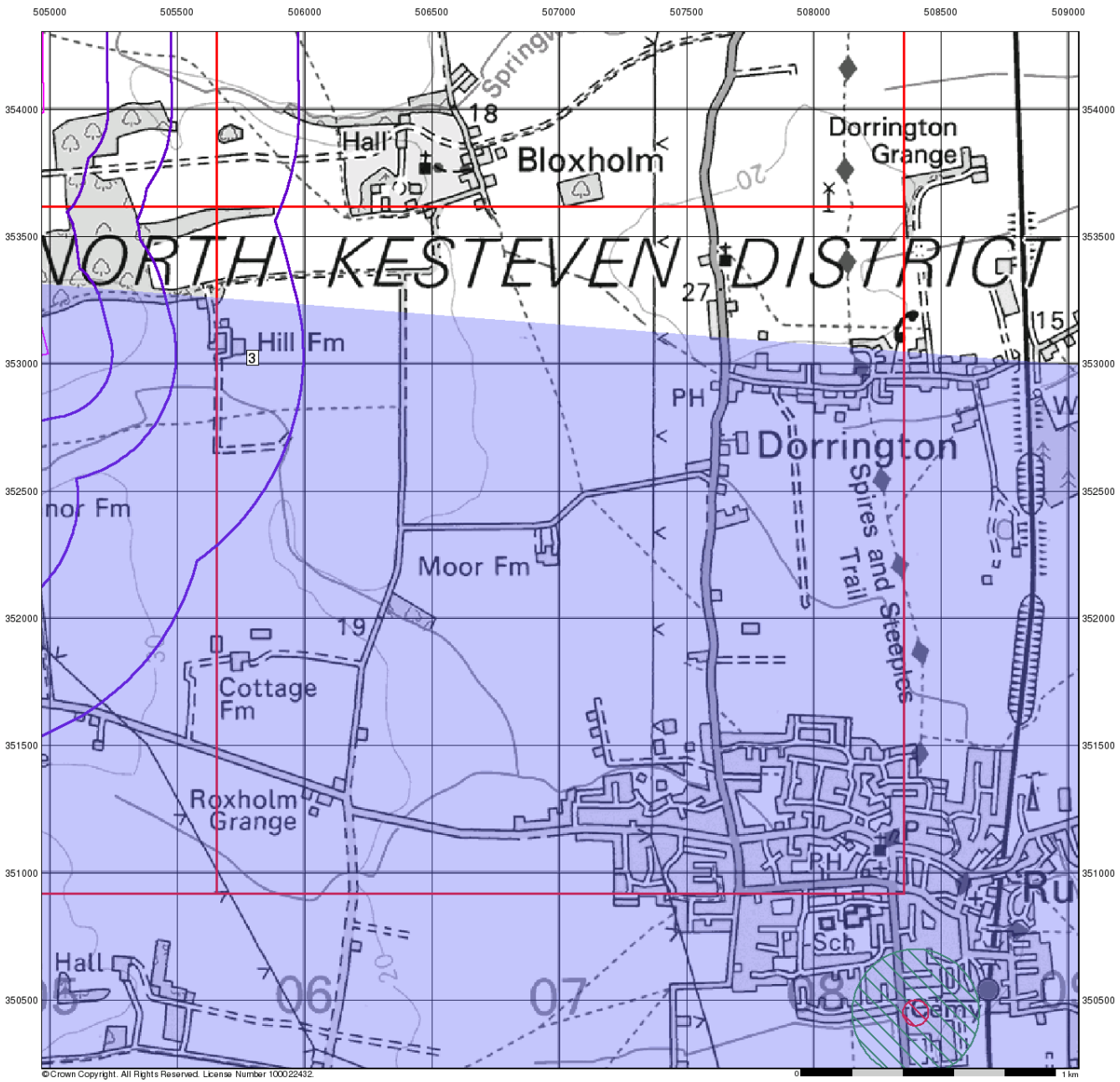
Slice:	C
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New



RSK

Source Protection Zones

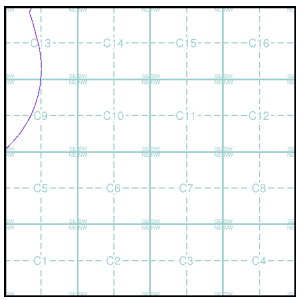
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice C



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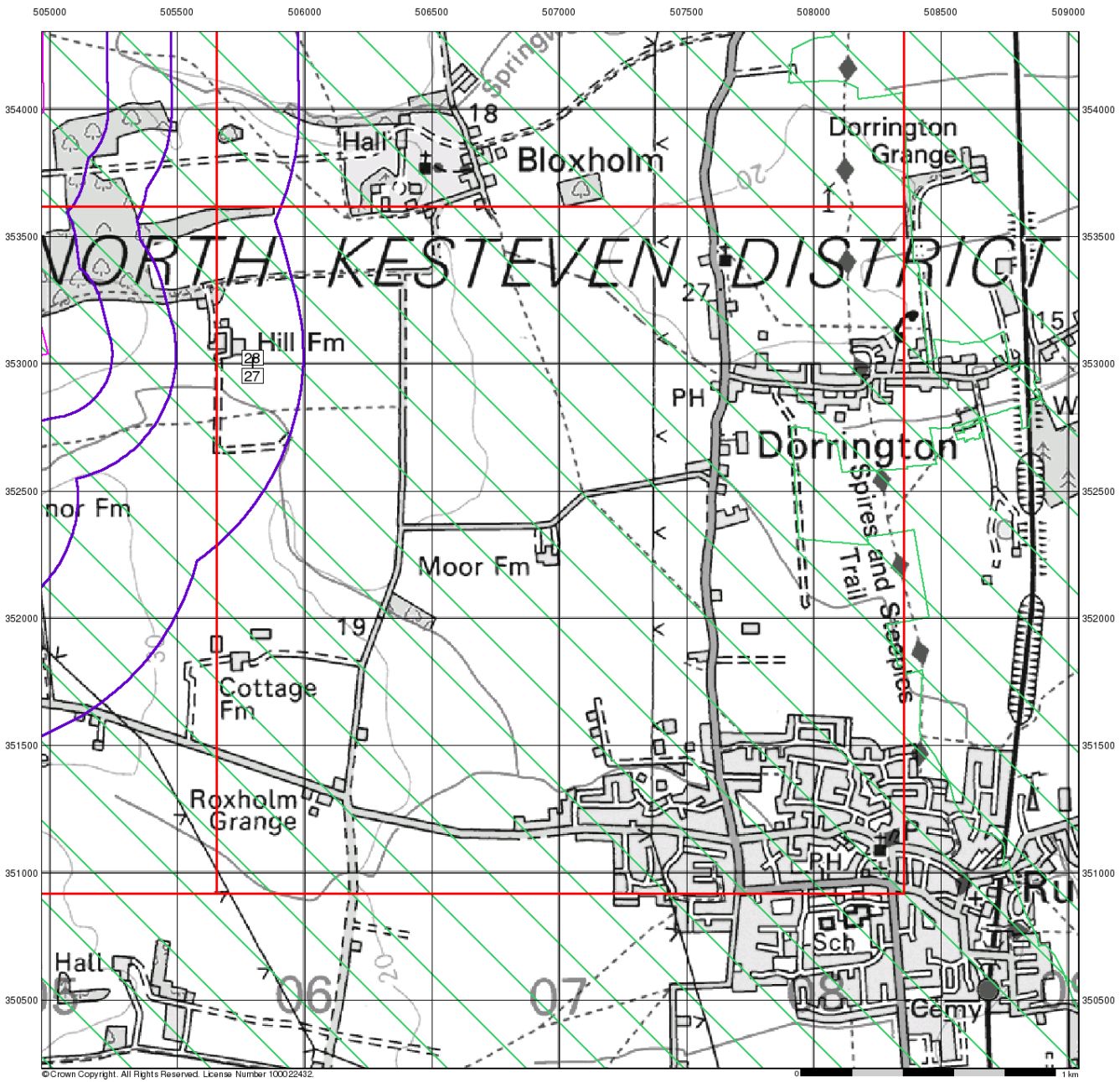
Site Details

All Areas New



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Sensitive Land Uses

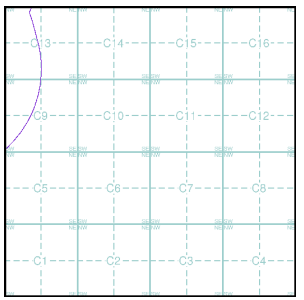
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice C



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Site Details

All Areas New

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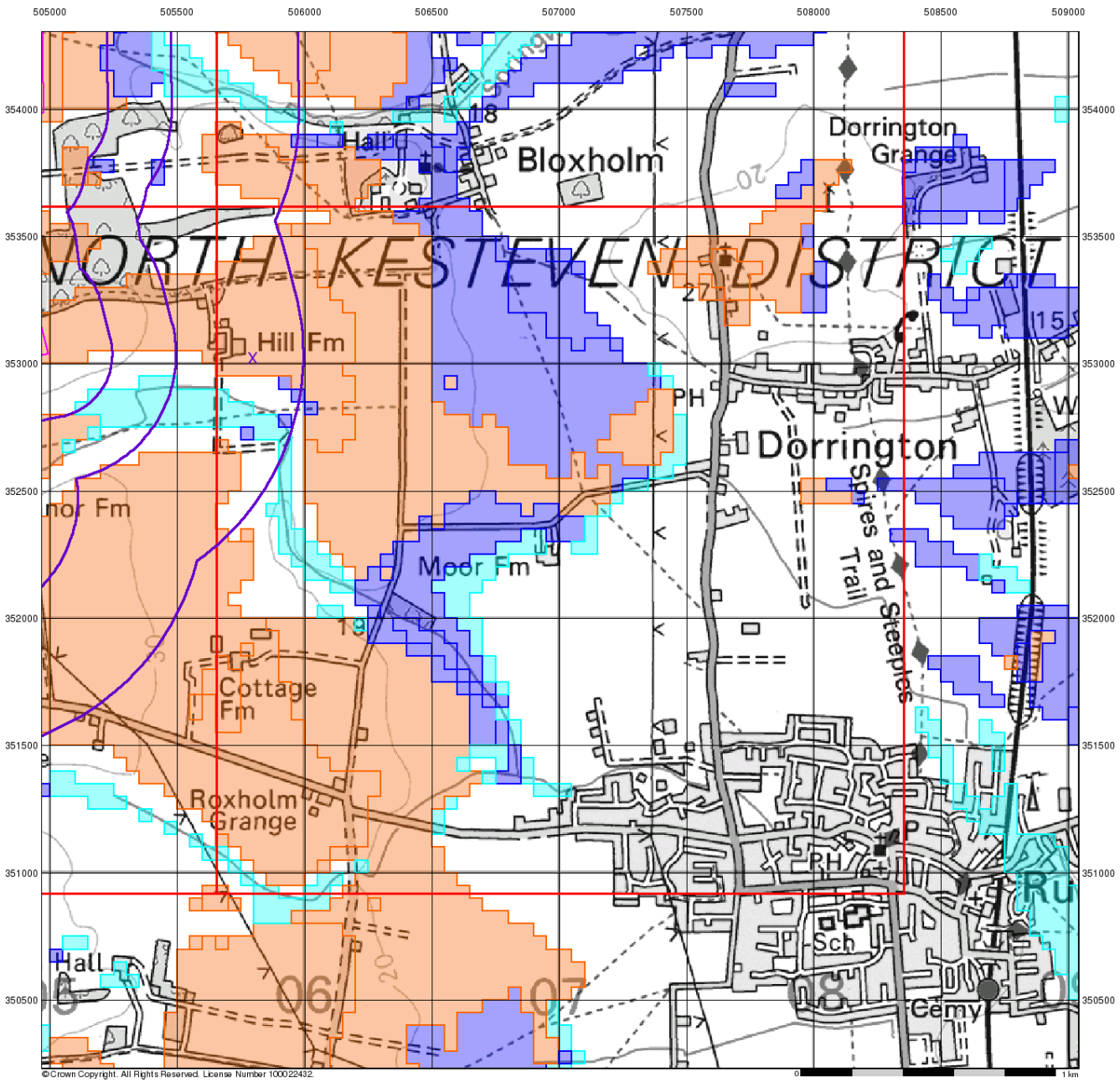


RSK

BGS Flood GFS Data

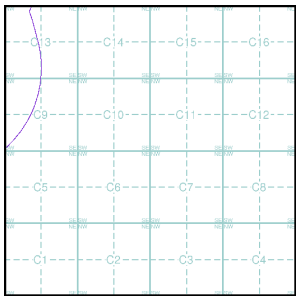
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice C



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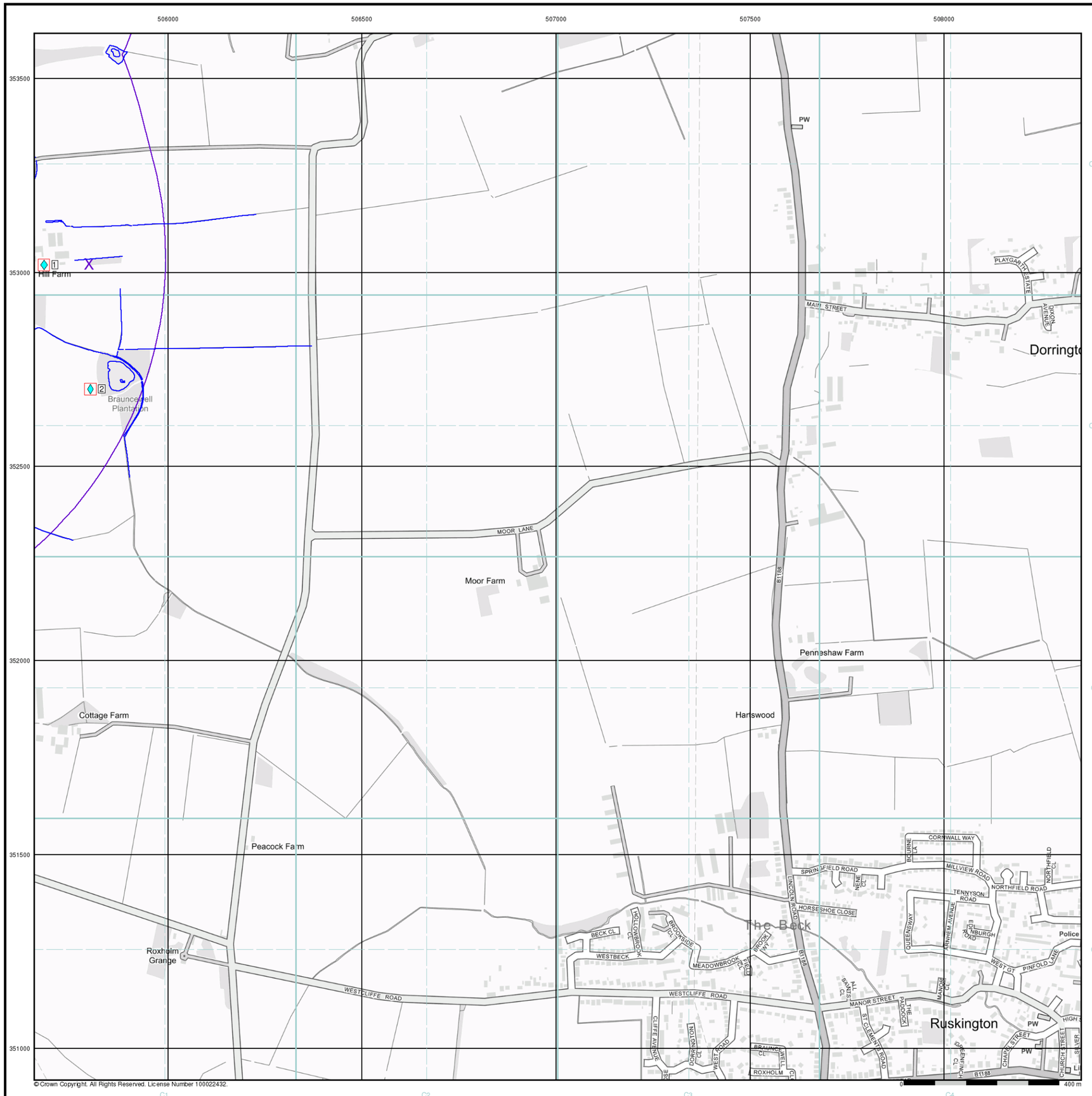


RSK

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

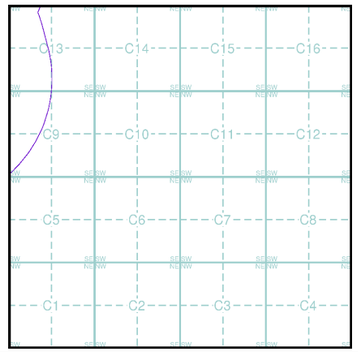
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice C



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Site Details

All Areas New

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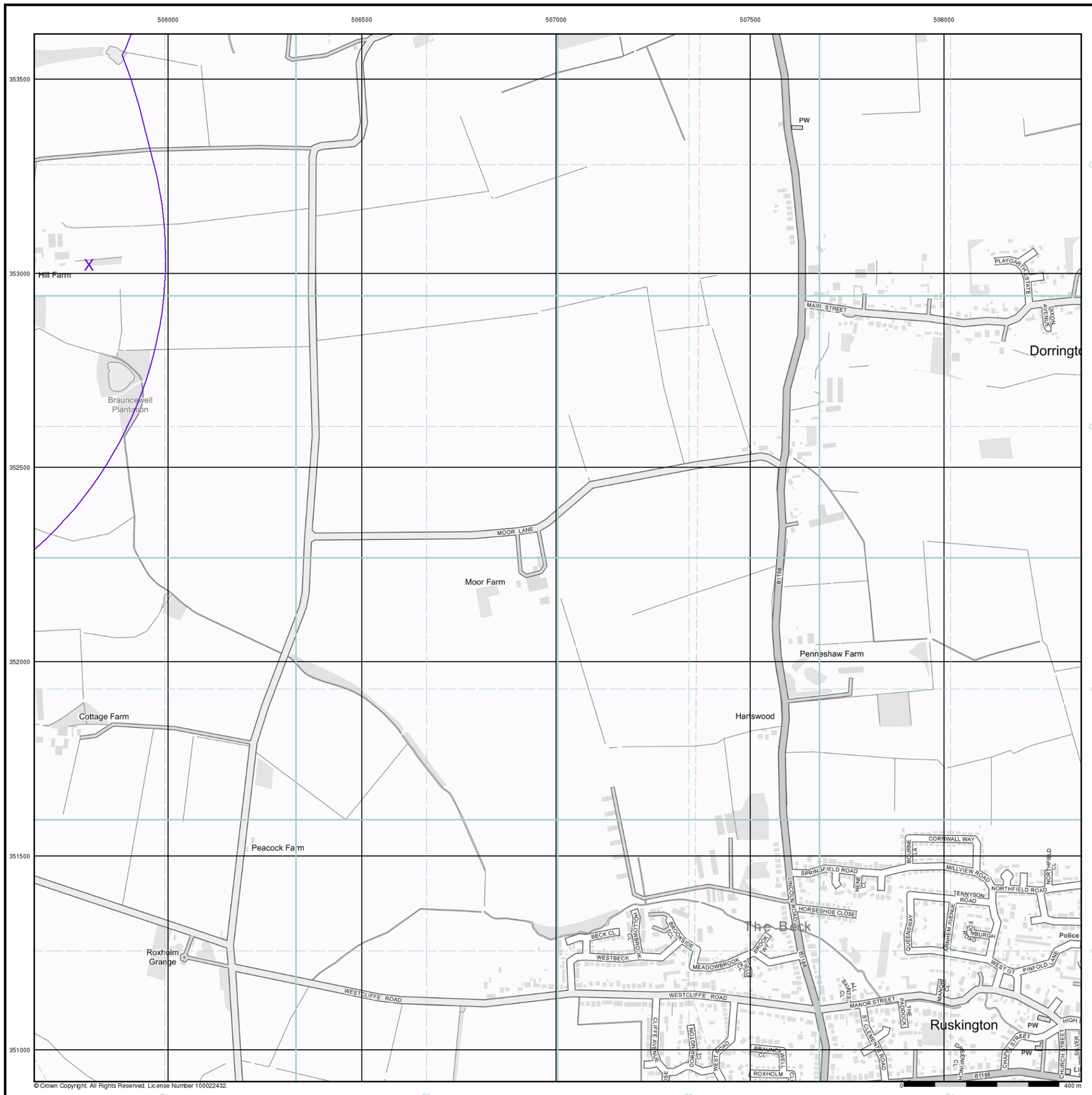


RSK

Industrial Land Use Map

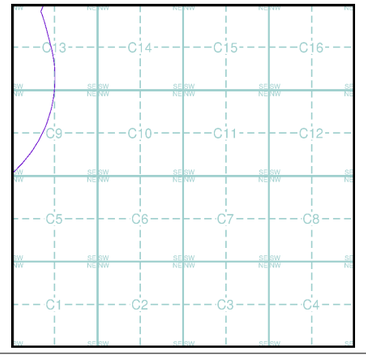
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice C



Order Details

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Slice:	C
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Site Details

All Areas New

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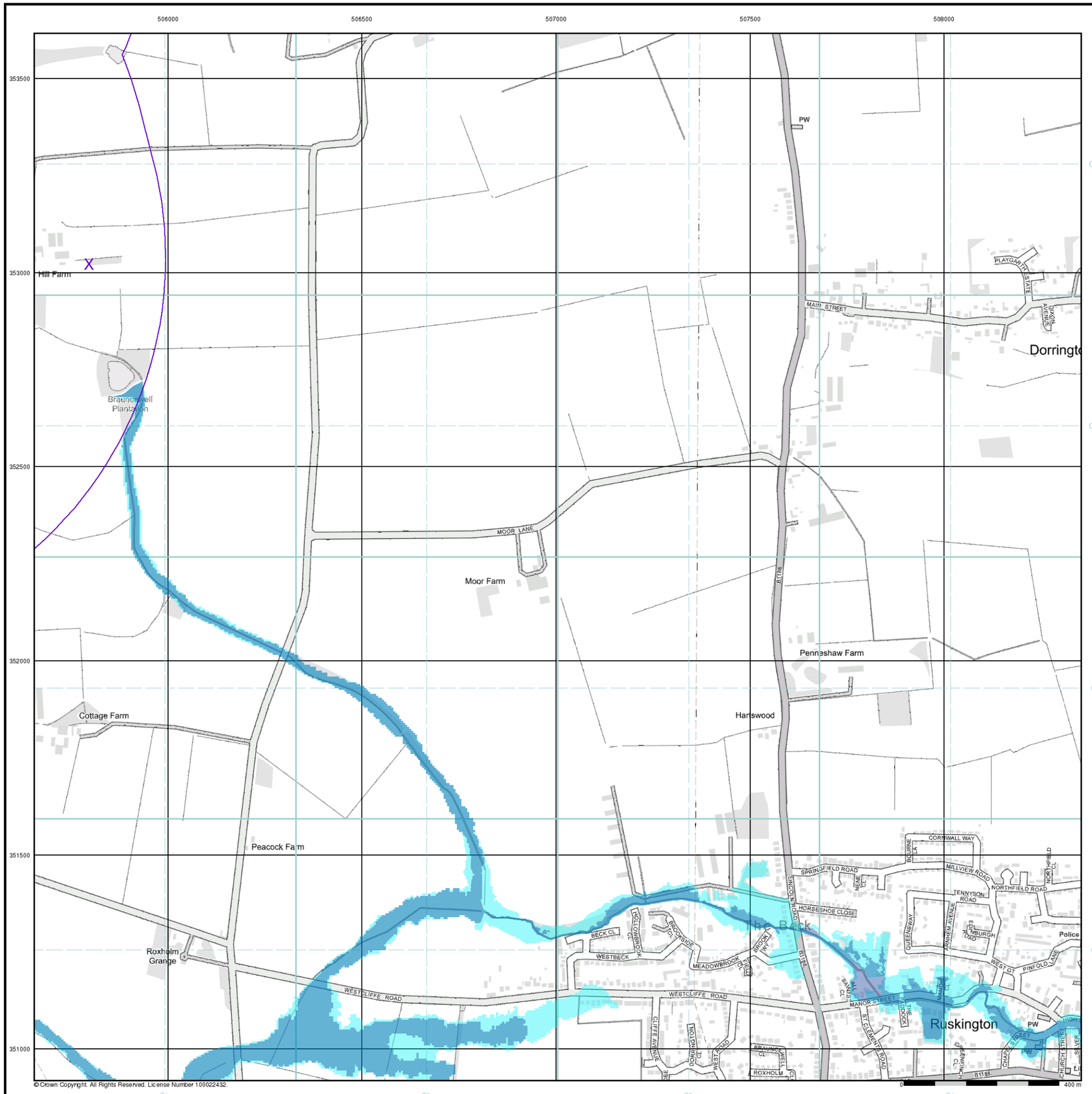

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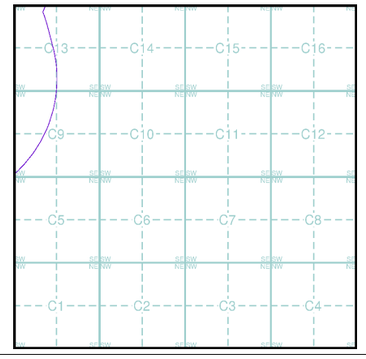
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice C



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505800, 353020
Slice:	C
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

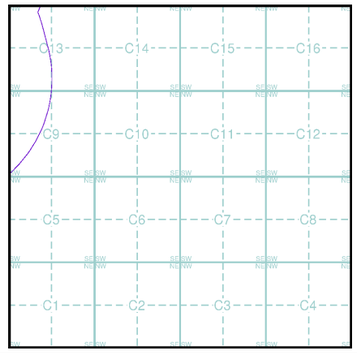
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice C



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505800, 353020
Slice:	C
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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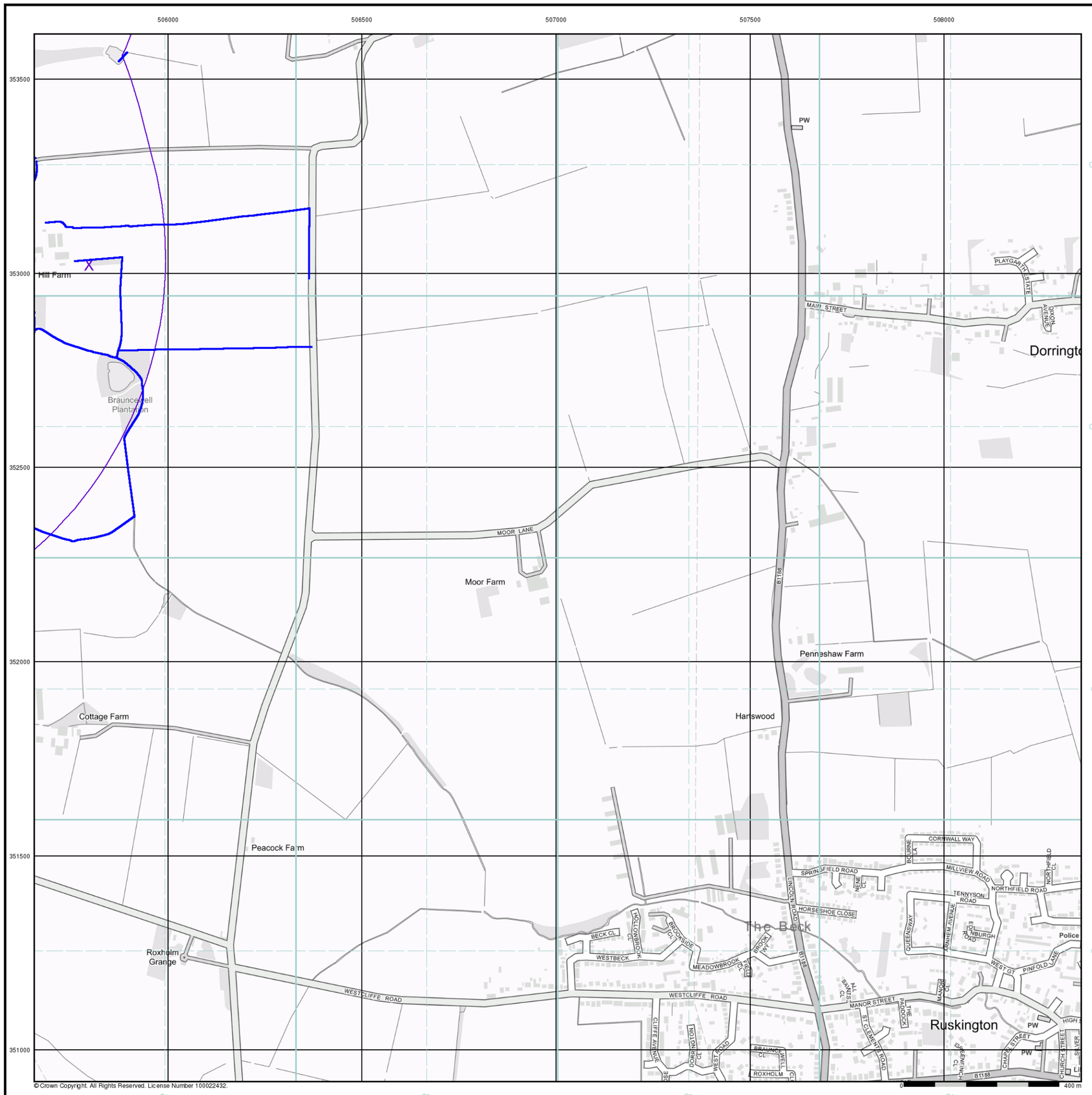
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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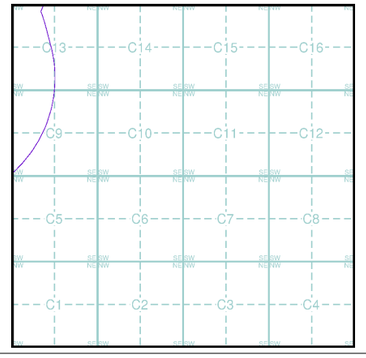
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice C



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Site Details

All Areas New

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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
505800, 353020

Slice:
C

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	-
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	-
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	-
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	1
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	4
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	5
Data Suppliers	6
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 1	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 1	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 1	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 2	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 2	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 2	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
1	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 353022
2	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 353022
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
3	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 353022
4	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 352811
5	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
6	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	24	1	505289 354003
7	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(N)	71	1	505425 354079
8	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(W)	92	1	505000 352754
9	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	135	1	505203 353470
10	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	151	1	505000 352610
11	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	223	1	505053 352790
12	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	239	1	505000 352416
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	504987 353447
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	505000 353590
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 352995
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C13NW (N)	31	1	505659 353365
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C13SW (S)	43	1	505806 352956

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	150	1	505000 352593
13	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 353022
14	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
15	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(NW)	222	1	505205 353280
16	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(N)	29	1	505937 353946
17	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	151	1	505241 353733
18	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C9NW (SW)	232	1	505689 352890
19	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	249	1	505000 352754
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 353022
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
20	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	505000 353590
21	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 352995
22	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C13NW (N)	31	1	505659 353365
23	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	C13SW (S)	43	1	505806 352956
24	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(SW)	150	1	505000 352593
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 353022
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 352811
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C13SW (W)	6	1	505797 353022
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	24	1	505289 354003
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	135	1	505203 353470
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	223	1	505189 352781

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	239	1	505000 352416

Historical Map List

No Historical Land Use information available.

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	097_NE	1891
Lincolnshire	097_NW	1891
Lincolnshire	097_SE	1891
Lincolnshire	097_SW	1891
Lincolnshire	097_NE	1906
Lincolnshire	097_NW	1906
Lincolnshire	097_SE	1906
Lincolnshire	097_SW	1906
Lincolnshire	097_NE	1947
Lincolnshire	097_SE	1947
Lincolnshire	097_NW	1950
Lincolnshire	097_SW	1950
Ordnance Survey Plan	TF05SE	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF05SE	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

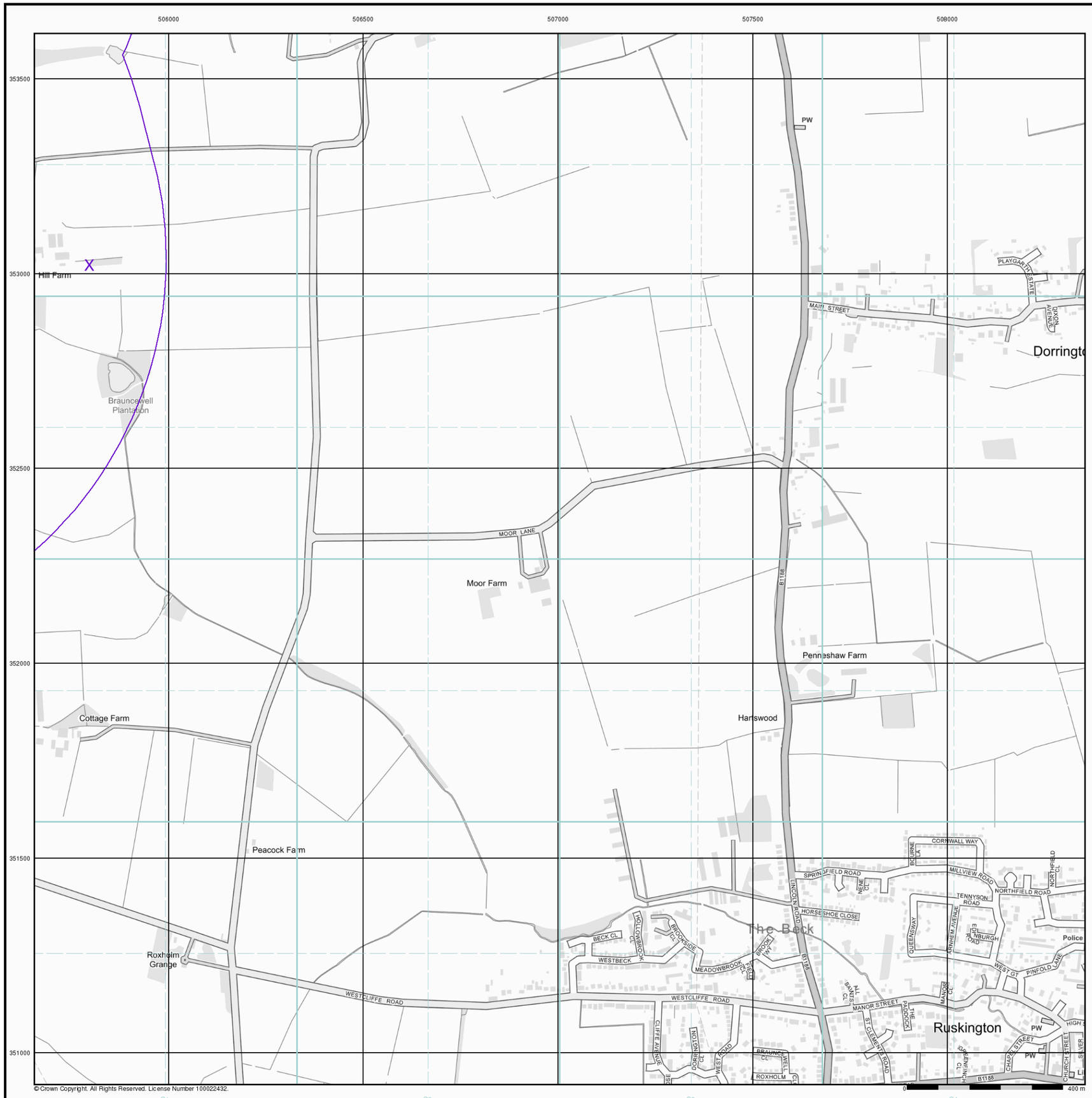
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

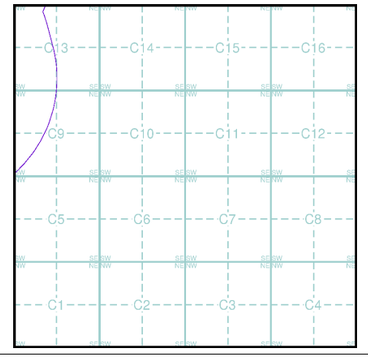
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice C



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All Areas New

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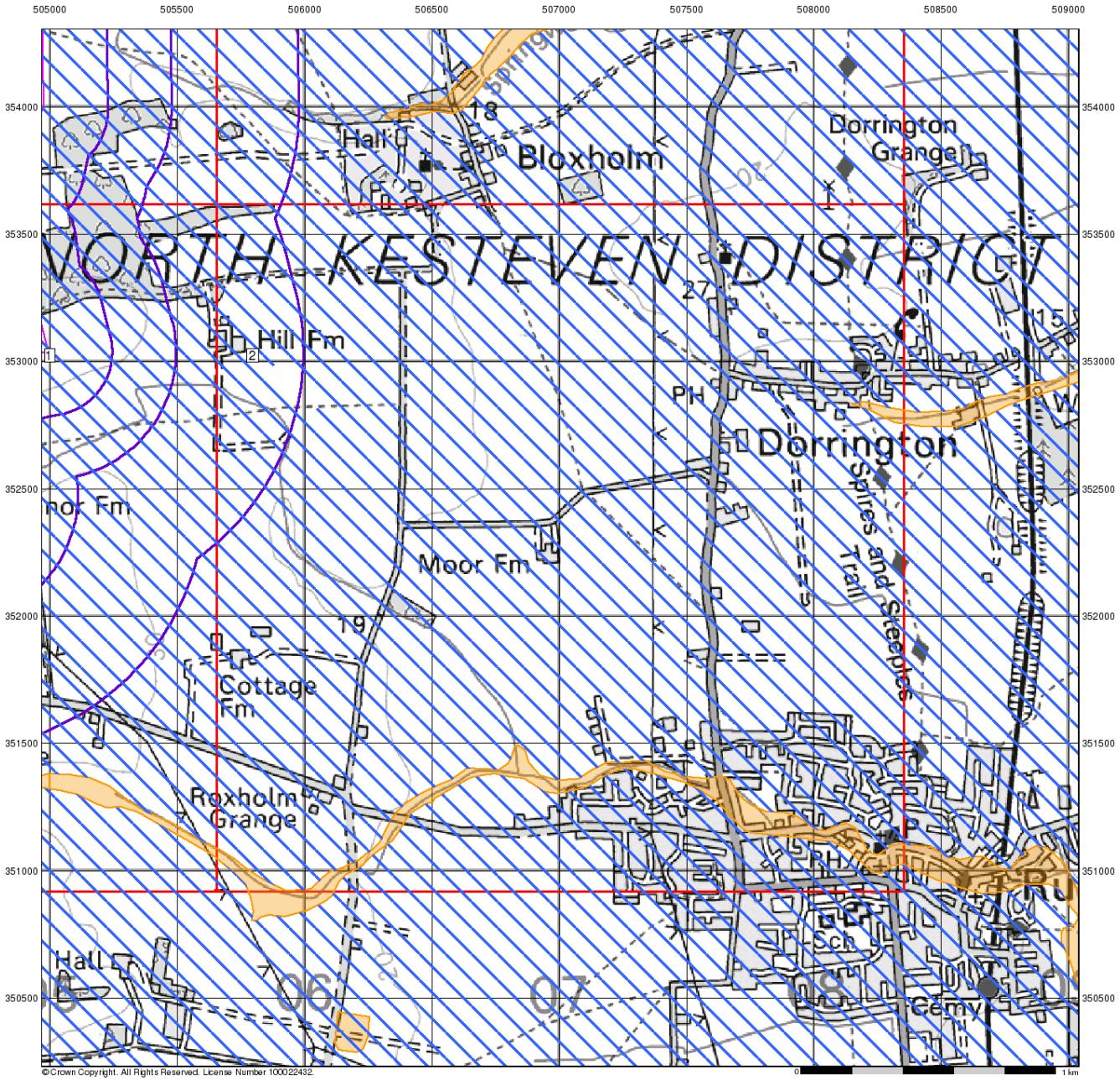

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

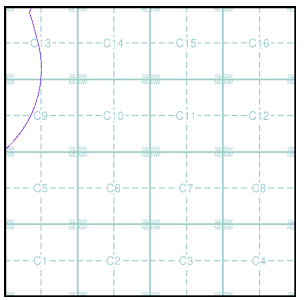
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice C



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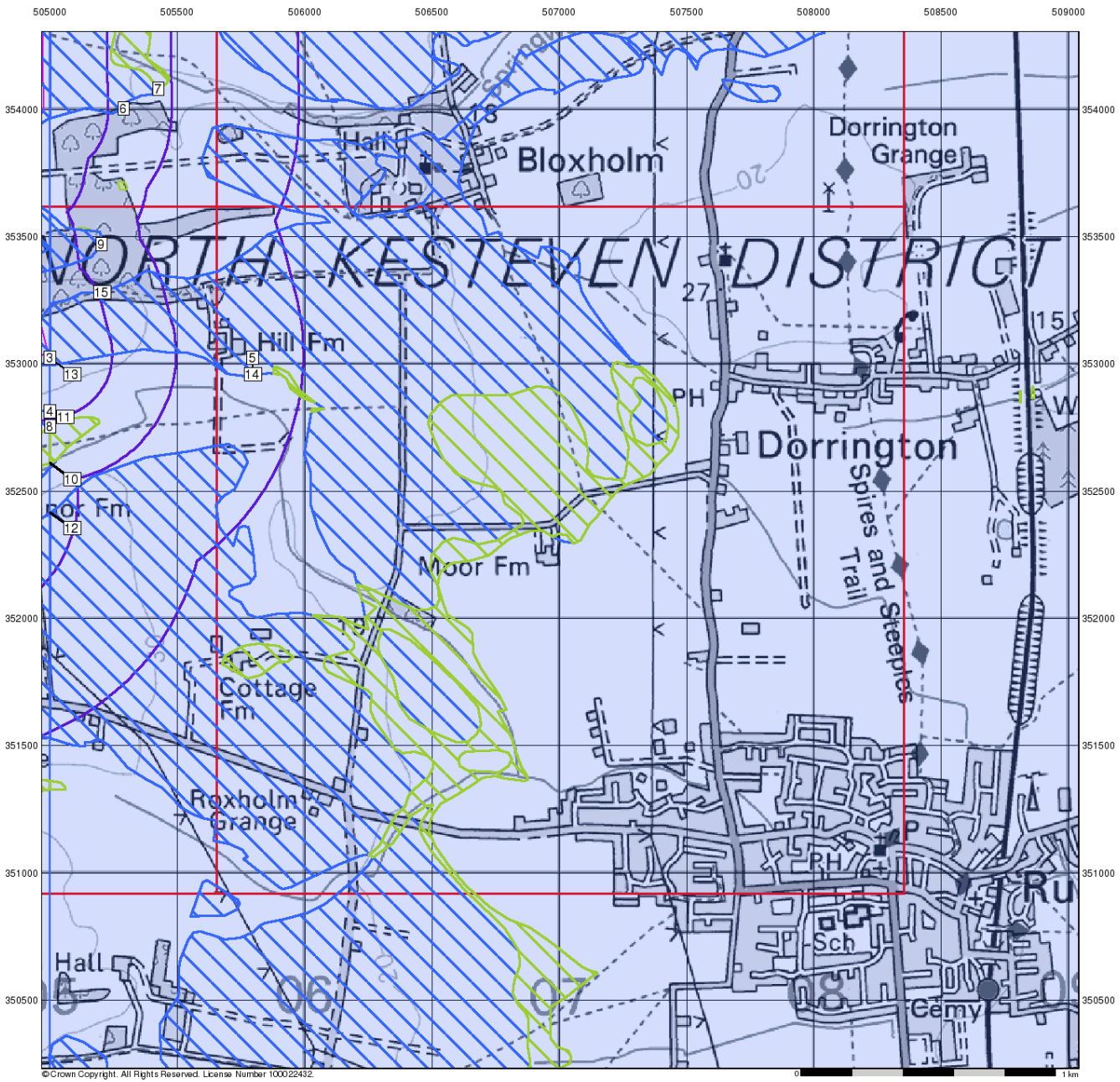

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

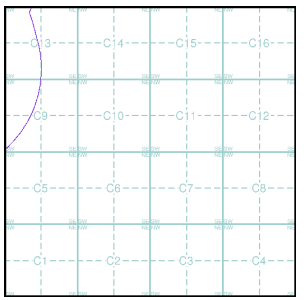
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice C



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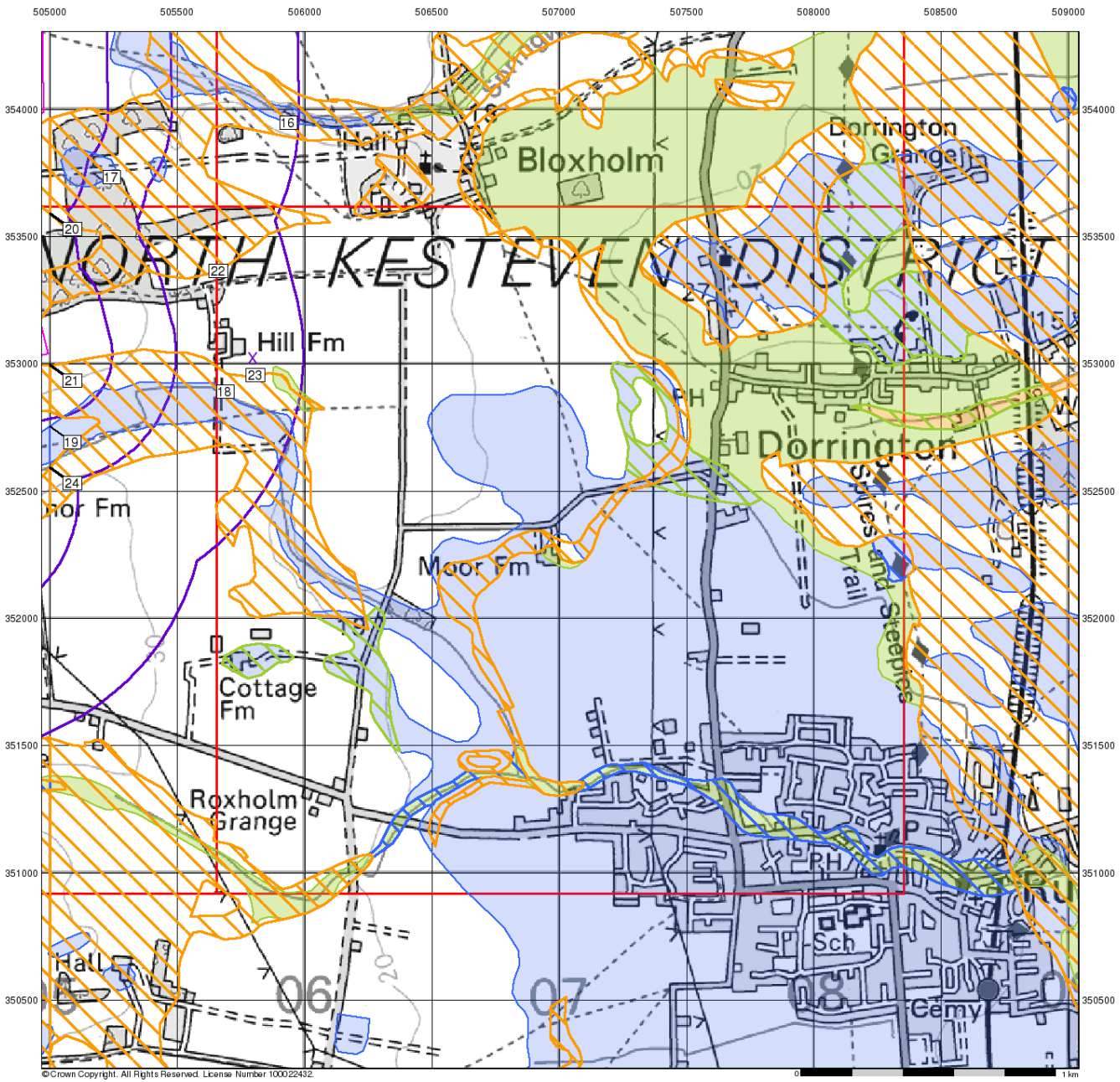

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

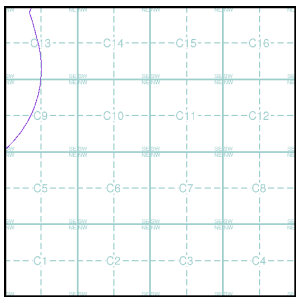
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice C



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Customer Ref:	P02130089
National Grid Reference:	505800, 353020
Slice:	C
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

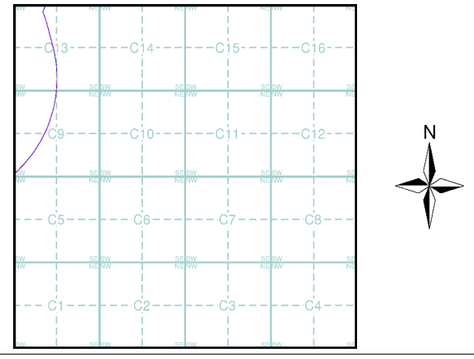
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1947 - 1950	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1985	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice C



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 505800, 353020
Slice: C
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

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Lincolnshire

Published 1887

Source map scale - 1:10,560

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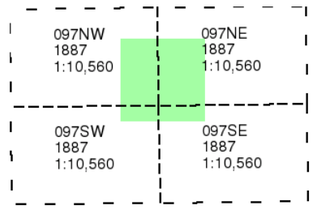
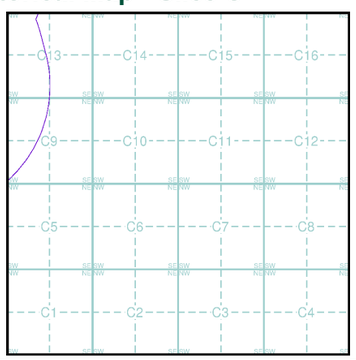
Map Name(s) and Date(s)



Historical Map - Slice C



Order Details

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Customer Ref:	P02130089
National Grid Reference:	505800, 353020
Slice:	C
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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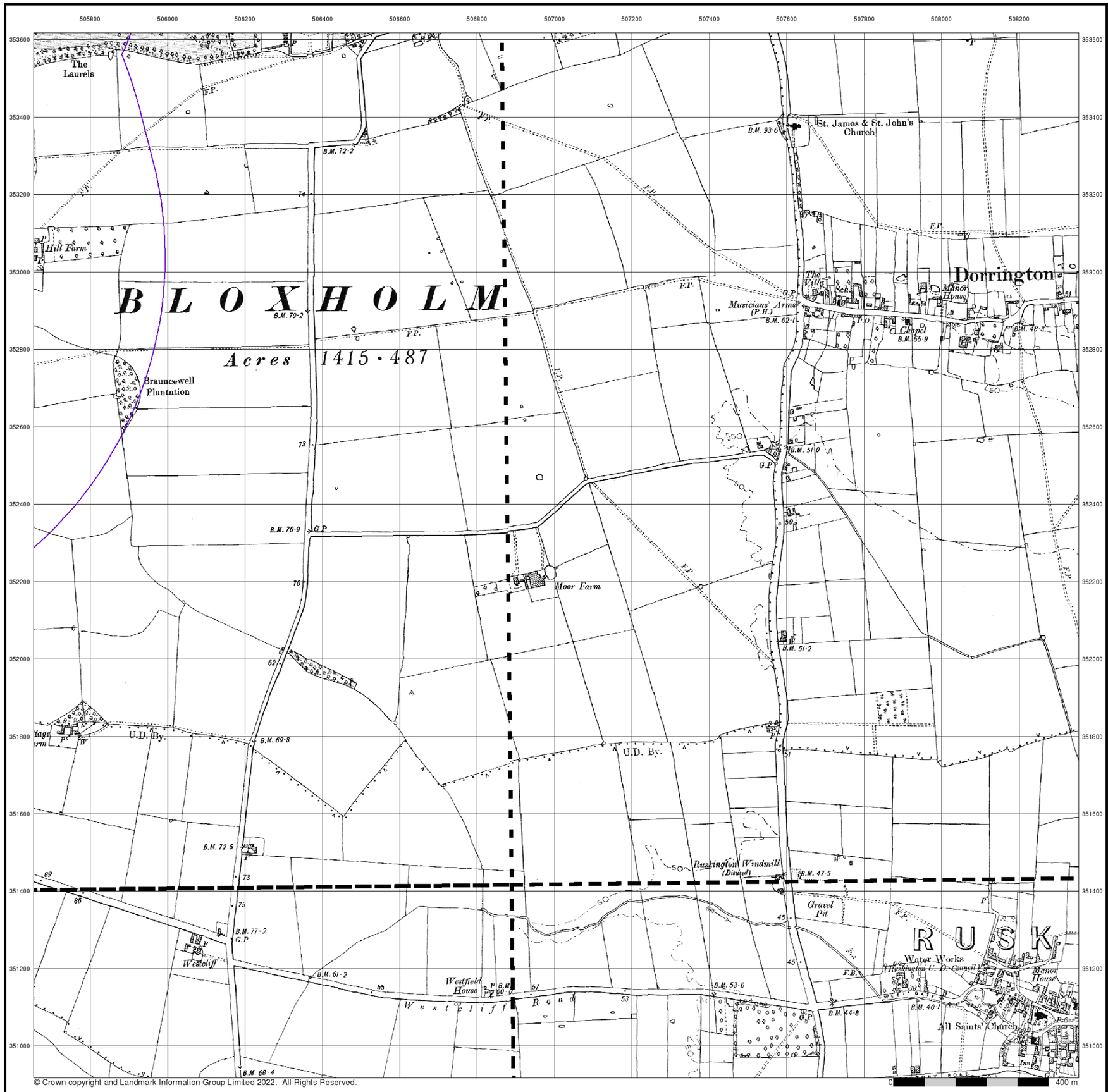

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Lincolnshire

Published 1906

Source map scale - 1:10,560

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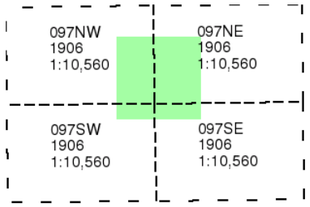
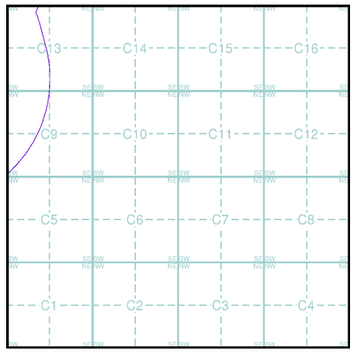
Map Name(s) and Date(s)



Historical Map - Slice C



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Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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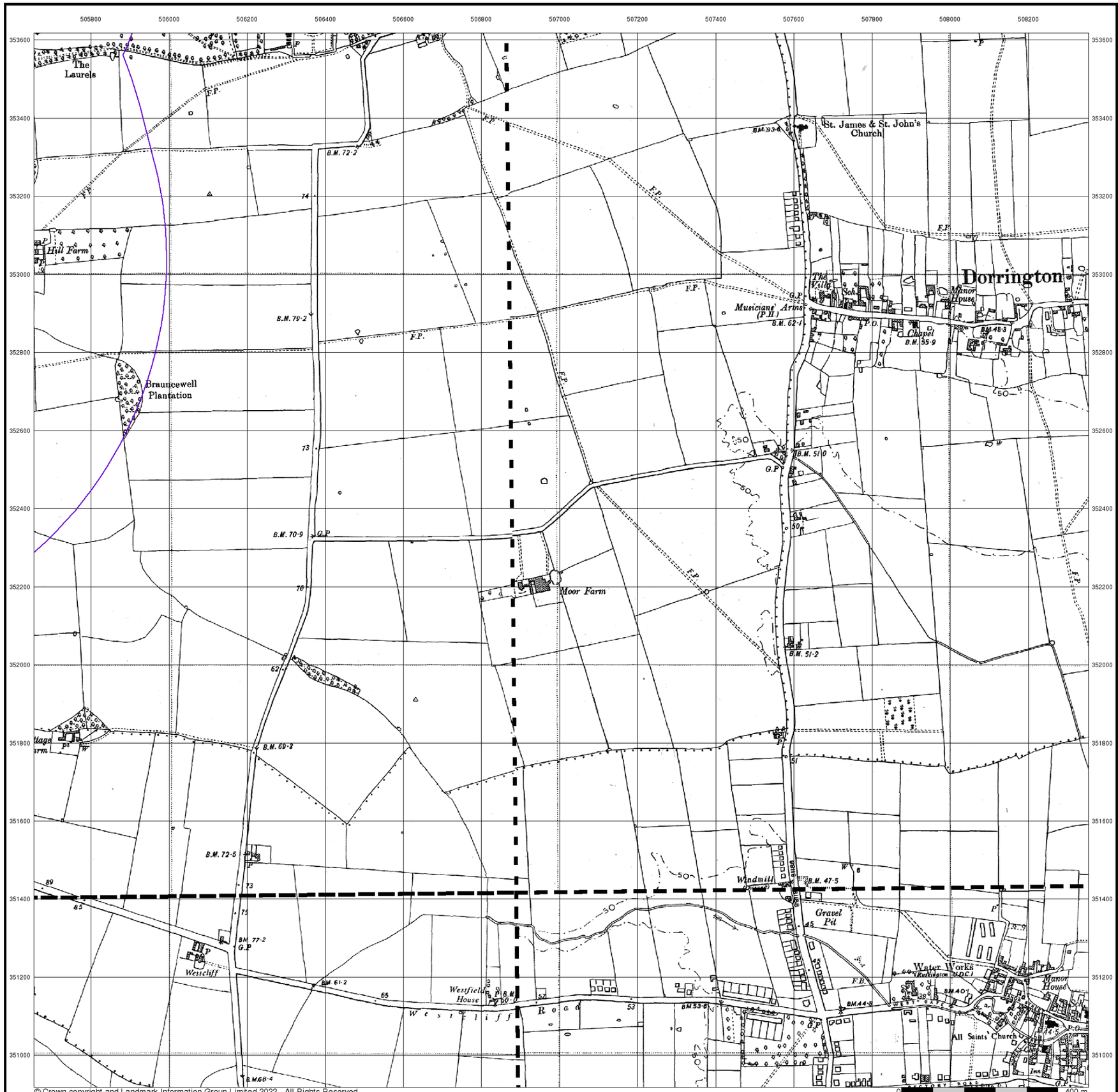

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Lincolnshire

Published 1947 - 1950

Source map scale - 1:10,560

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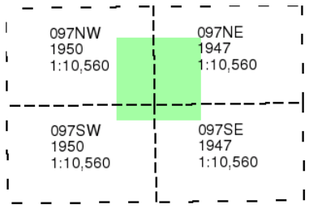
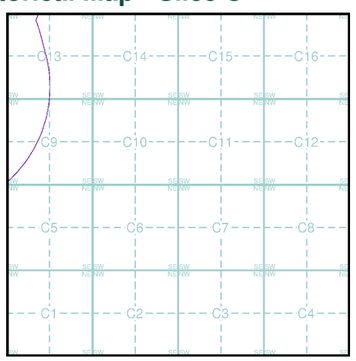
Map Name(s) and Date(s)



Historical Map - Slice C



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Slice:	C
Site Area (Ha):	1774.17
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Site Details

All Areas New

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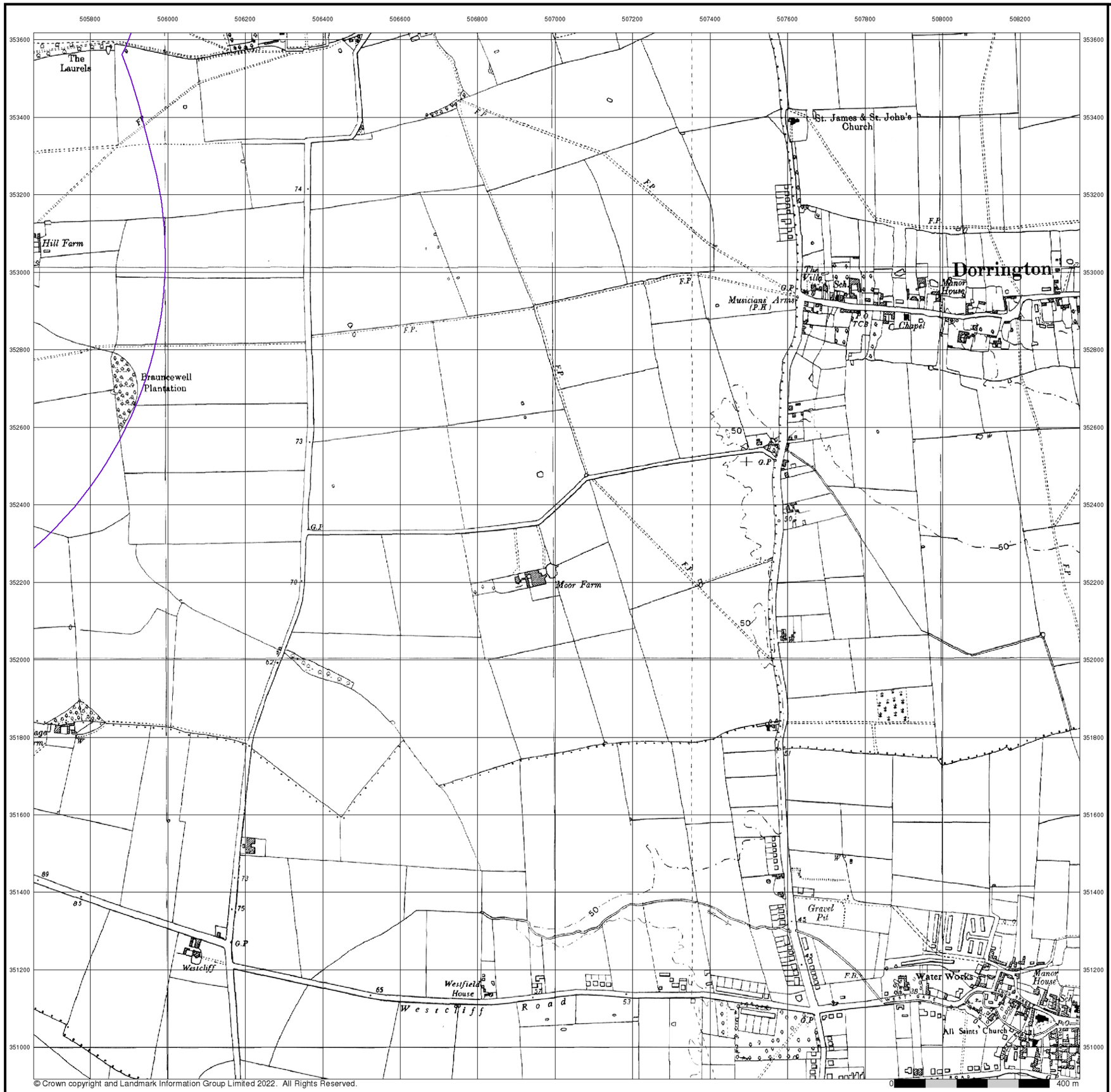

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Ordnance Survey Plan

Published 1956

Source map scale - 1:10,000

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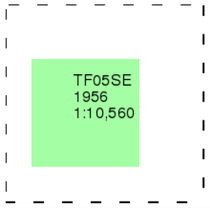
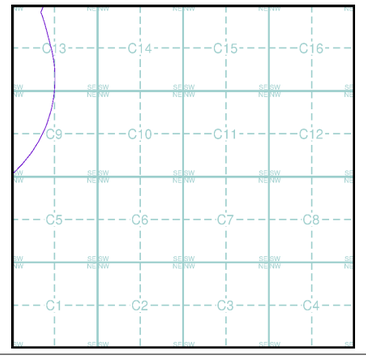
Map Name(s) and Date(s)



Historical Map - Slice C



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
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Slice:	C
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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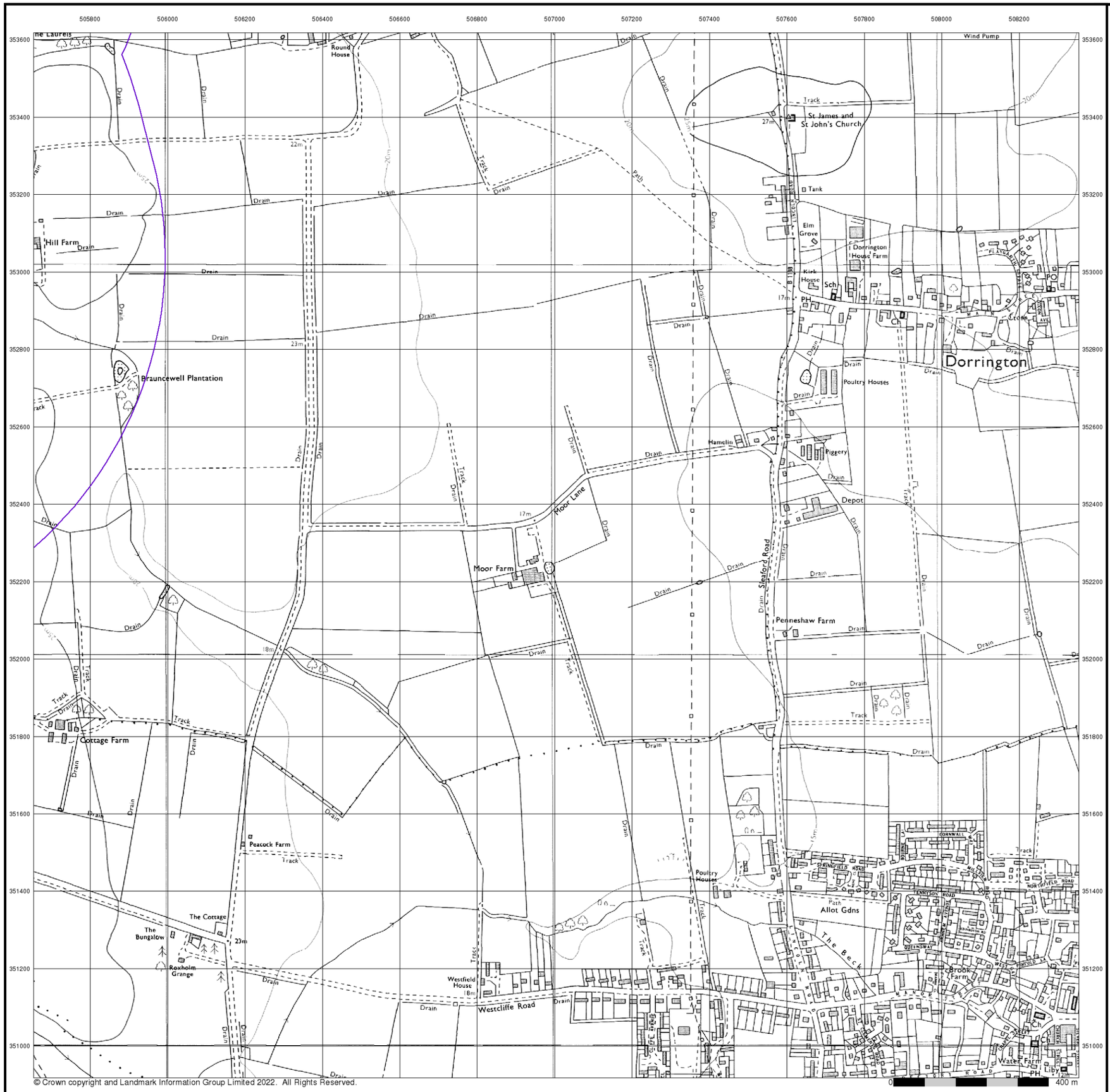

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Ordnance Survey Plan

Published 1985

Source map scale - 1:10,000

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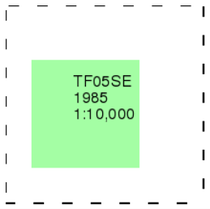
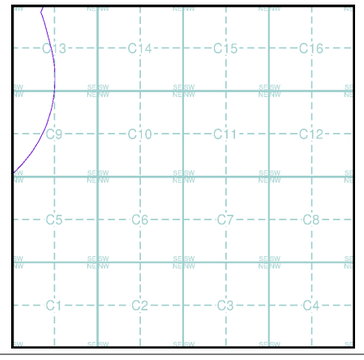
Map Name(s) and Date(s)



Historical Map - Slice C



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Customer Ref:	P02130089
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Slice:	C
Site Area (Ha):	1774.17
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Site Details

All Areas New

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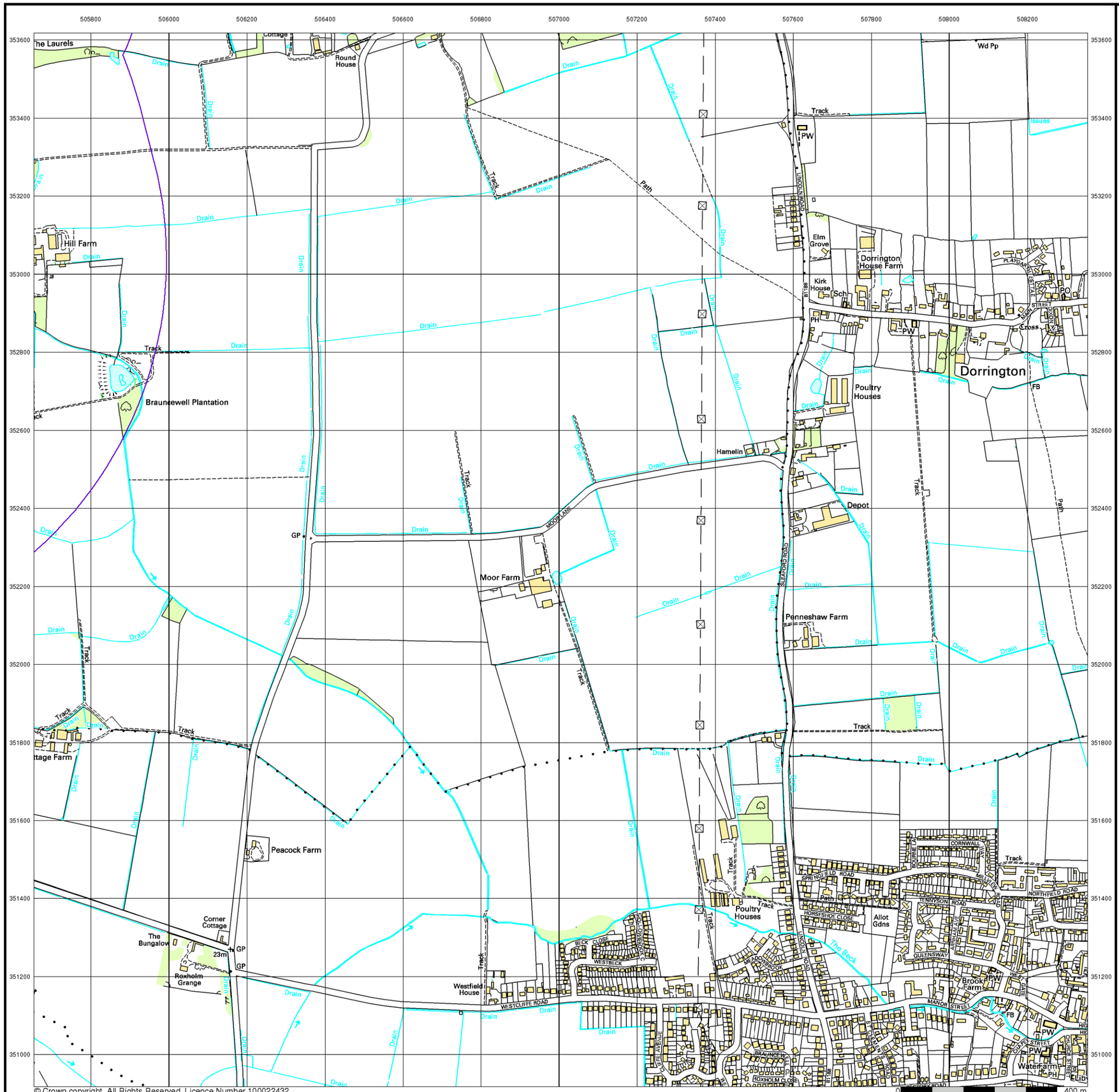

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10k Raster Mapping

Published 2000

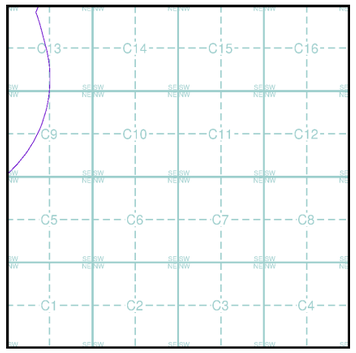
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TF05SE
2000
1:10,000

Historical Map - Slice C



Order Details

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Customer Ref:	P02130089
National Grid Reference:	505800, 353020
Slice:	C
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Fax: 0844 844 9951
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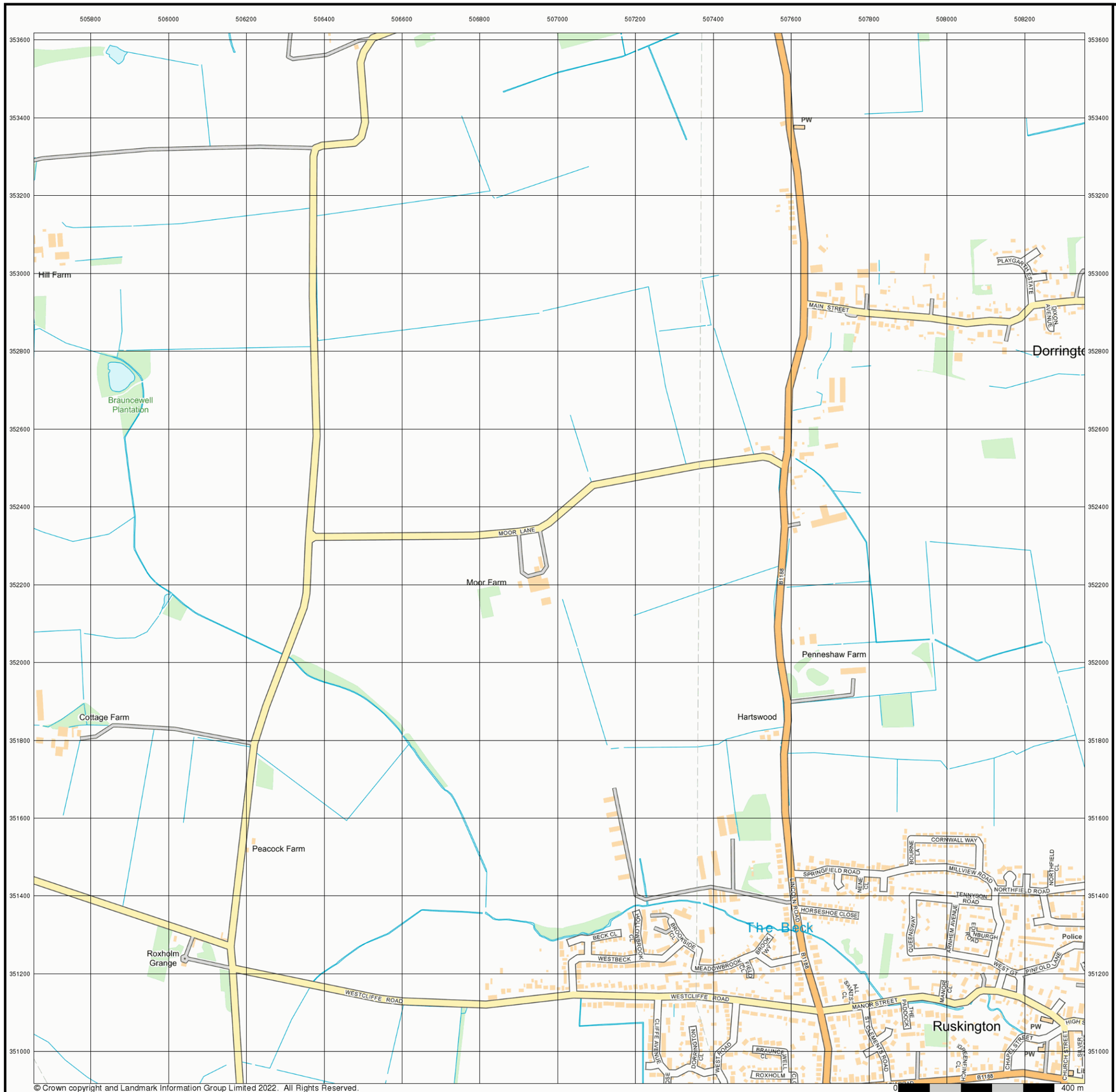

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RSK

Street View

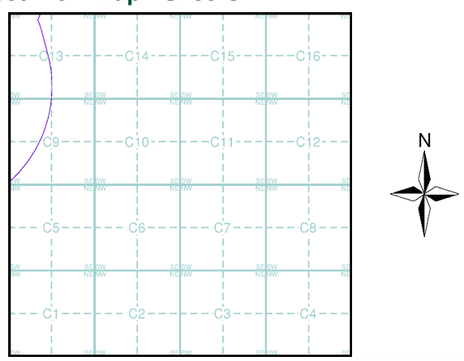
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice C



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505800, 353020
Slice:	C
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Web: www.envirocheck.co.uk

APPENDIX D4 ENVIRONMENTAL DATABASE REPORT – ZONE D

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
501730, 355030

Slice:
D

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	10
Hazardous Substances	-
Geological	11
Industrial Land Use	14
Sensitive Land Use	15
Data Currency	16
Data Suppliers	20
Useful Contacts	21

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2				Yes
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 2	2	4		1
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 4	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 8	14	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Source Protection Zones	pg 9	1			
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 10	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 11	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 11	1			3
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 11	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 12	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 12	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 13	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 13	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 14		2		
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 15	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	503550 354500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	502750 353600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D4NE (SE)	0	1	502850 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	503200 354200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	503200 354400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	502500 353400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	503000 354050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D11SW (S)	0	1	501731 355000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D3SE (SE)	0	1	502250 353900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D4NE (SE)	0	1	502700 354050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D4NW (SE)	0	1	502400 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D4SW (SE)	0	1	502300 353900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D8SE (SE)	0	1	502800 354500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	502150 356500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	503050 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	503150 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	503200 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D4SW (SE)	0	1	502300 353950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D3NE (SE)	0	1	502250 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D4SE (SE)	0	1	502800 353750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D11SW (NW)	0	1	501731 355027
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D7SE (SE)	0	1	502250 354550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D8SE (SE)	0	1	502700 354550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	50	1	502400 356600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	90	1	502450 356600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	D3SW (S)	122	1	501800 353650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	162	1	502500 356650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	234	1	501731 353600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	403	1	502650 356850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	444	1	501550 353550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	474	1	502700 356900
	Nearest Surface Water Feature	D6NE (SW)	502	-	501576 354886
1	**Water Abstractions** Operator: H N Nevile Licence Number: 4/30/09/*G/0028 Permit Version: 100 Location: H.N.Nevile Well3 Temple Bruer Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Revoked Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	D3NW (S)	0	2	501800 354000
1	**Water Abstractions** Operator: H. N. Nevile Licence Number: 4/30/09/*g/028 Permit Version: Not Supplied Location: H N Nevile Well2 , TEMPLE BRUER Authority: Environment Agency, Anglian Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 3 Yearly Rate (m3): 11360 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	D3NW (S)	0	2	501800 353995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Water Abstractions** Operator: H. N. Nevile Licence Number: 4/30/09/*g/028 Permit Version: Not Supplied Location: H N Nevile Bore1 , TEMPLE BRUER Authority: Environment Agency, Anglian Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 3 Yearly Rate (m3): 11360 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	D14SE (NW)	50	2	501300 355895
2	**Water Abstractions** Operator: H N Nevile Licence Number: 4/30/09/*G/0028 Permit Version: 100 Location: H.N.Nevile Bore1 Temple Bruer Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Revoked Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	D14SE (NW)	51	2	501300 355900
3	**Water Abstractions** Operator: A & D Bell Licence Number: 4/30/09/*G/0077 Permit Version: 100 Location: A.L.&D.F.Bell Bore Wellingore Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	D14NW (NW)	167	2	501200 356250
4	**Water Abstractions** Operator: H N Nevile Licence Number: 4/30/09/*G/0028 Permit Version: 100 Location: H.N.Nevile Well2 Temple Bruer Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	D11SW (E)	250	2	501801 355001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Water Abstractions** Operator: H N Nevile Licence Number: 4/30/09/*G/0041 Permit Version: 100 Location: H.N.Nevile Bore Wellingore Hth Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st September 1976 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	D13SW (NW)	973	2	500300 355650
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	502000 353000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	503000 353000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	D11SW (S)	0	3	501731 355000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	D11SE (E)	0	3	502000 355000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	3	503000 355000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	D3SE (S)	0	3	502153 353659
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	D3SE (S)	0	3	502028 353739

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	D15NW (N)	0	3	501731 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	D15NE (N)	0	3	502000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	503000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	D3NW (S)	0	3	501731 354000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	D3NE (S)	0	3	502000 354000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	503000 354000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	3	503000 355027
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	D11SW (NW)	0	3	501731 355027

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	D11SE (E)	0	3	502000 355027
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	D11SW (NW)	0	3	501731 355027
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(S)	0	3	502000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(SE)	0	3	503000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	D15NW (N)	0	3	501731 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	D15NE (N)	0	3	502000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(NE)	0	3	503000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	D11SE (E)	0	3	502000 355027
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	D3NW (S)	0	3	501731 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	D3NE (S)	0	3	502000 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(SE)	0	3	503000 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(E)	0	3	503000 355027
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	D11SW (S)	0	3	501731 355000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	D11SE (E)	0	3	502000 355000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(E)	0	3	503000 355000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	D11SW (S)	0	3	501731 355000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	D11SW (NW)	0	3	501731 355027
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	D3SE (S)	0	3	502153 353659
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	D3SE (S)	0	3	502028 353739

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	(S)	0	2	501617 353577
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	OS Water Network Lines None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	4	501731 355027
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	5	501731 355027

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Inferior Oolite Group	D11SW (NW)	0	1	501731 355027
7	**BGS Recorded Mineral Sites** Site Name: Ashby Lodge Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136054 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	D12NE (NE)	0	1	502684 355424
8	**BGS Recorded Mineral Sites** Site Name: St Johns Gravel Pit Location: Wellingore, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136048 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	D5NE (W)	765	1	500772 354954
9	**BGS Recorded Mineral Sites** Site Name: St Johns Gravel Pit Location: Wellingore, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136047 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	D6NW (SW)	846	1	501098 354709
10	**BGS Recorded Mineral Sites** Site Name: Wellingore Heath Gravel Pit Location: Wellingore, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136046 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	D9NW (NW)	950	1	500321 355630
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502028 353739
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D4SW (SE)	0	1	502364 353812
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D8SW (SE)	0	1	502372 354544
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D3SW (S)	118	1	501822 353665
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502028 353739
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502153 353659
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502153 353659
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502028 353739
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	D15SW (N)	0	1	501731 355926
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	501925 355027
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	501925 355001
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502025 353826

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355001
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D15SW (N)	0	1	501731 355926
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	501925 355027
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D11SW (E)	0	1	501925 355001
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502025 353826
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Contemporary Trade Directory Entries** Name: Timmart Electrical Services Location: 3, Ashby Lodge Cottages, Ashby de la Launde, Lincoln, LN4 3JW Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	D12SE (E)	12	-	502913 355268
12	**Contemporary Trade Directory Entries** Name: D F Bell Haulage Location: Gorse Hill Lane, Wellingore, Lincoln, LN5 0BY Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	D14NW (NW)	224	-	501143 356206

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	D11SW (NW)	0	3	501731 355027
14	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	D11SW (NW)	0	3	501731 355027

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

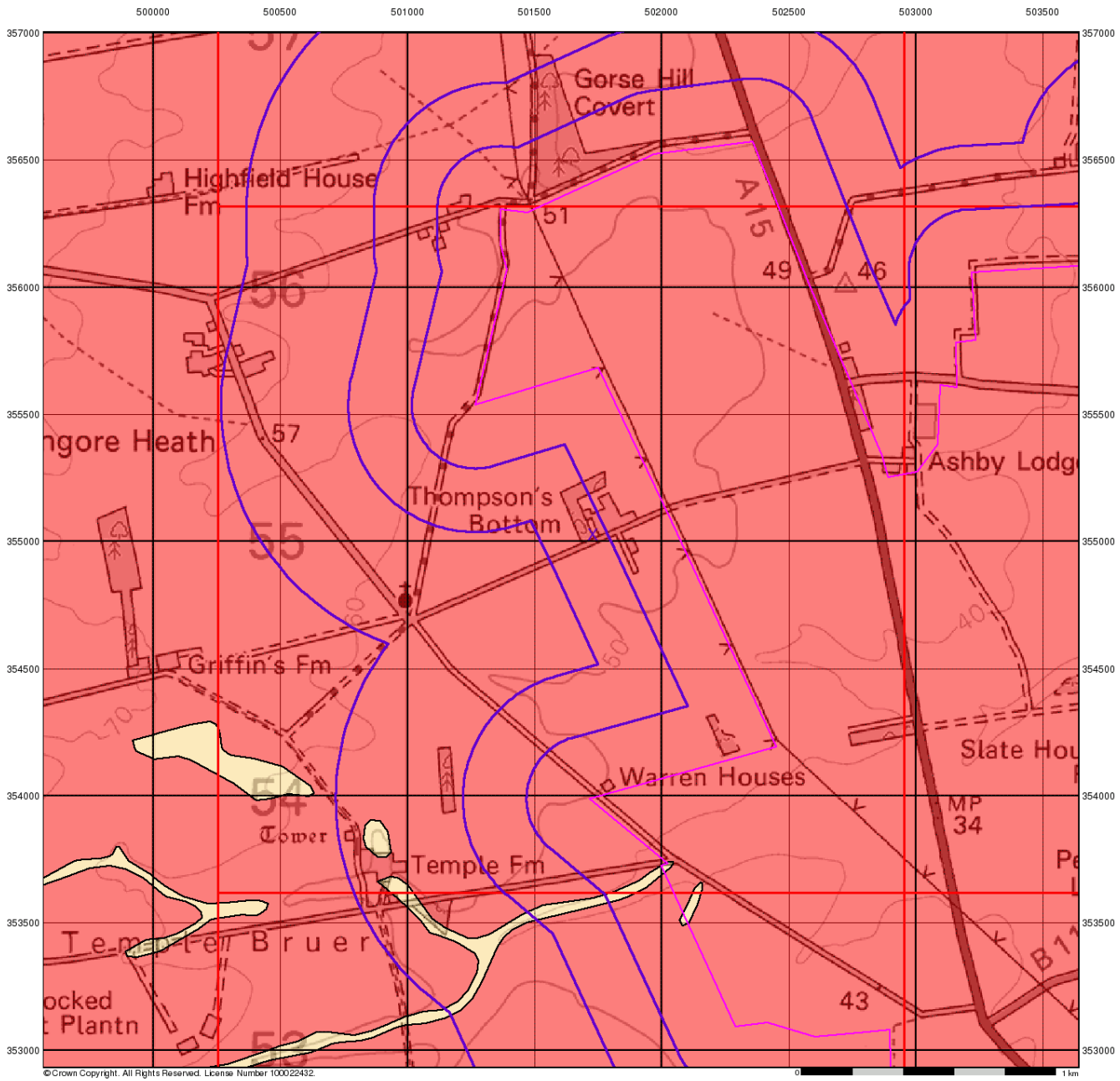
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
5	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

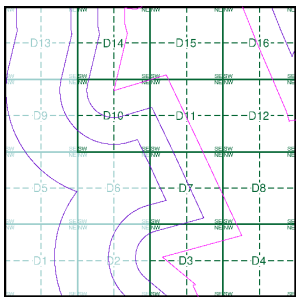
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice D



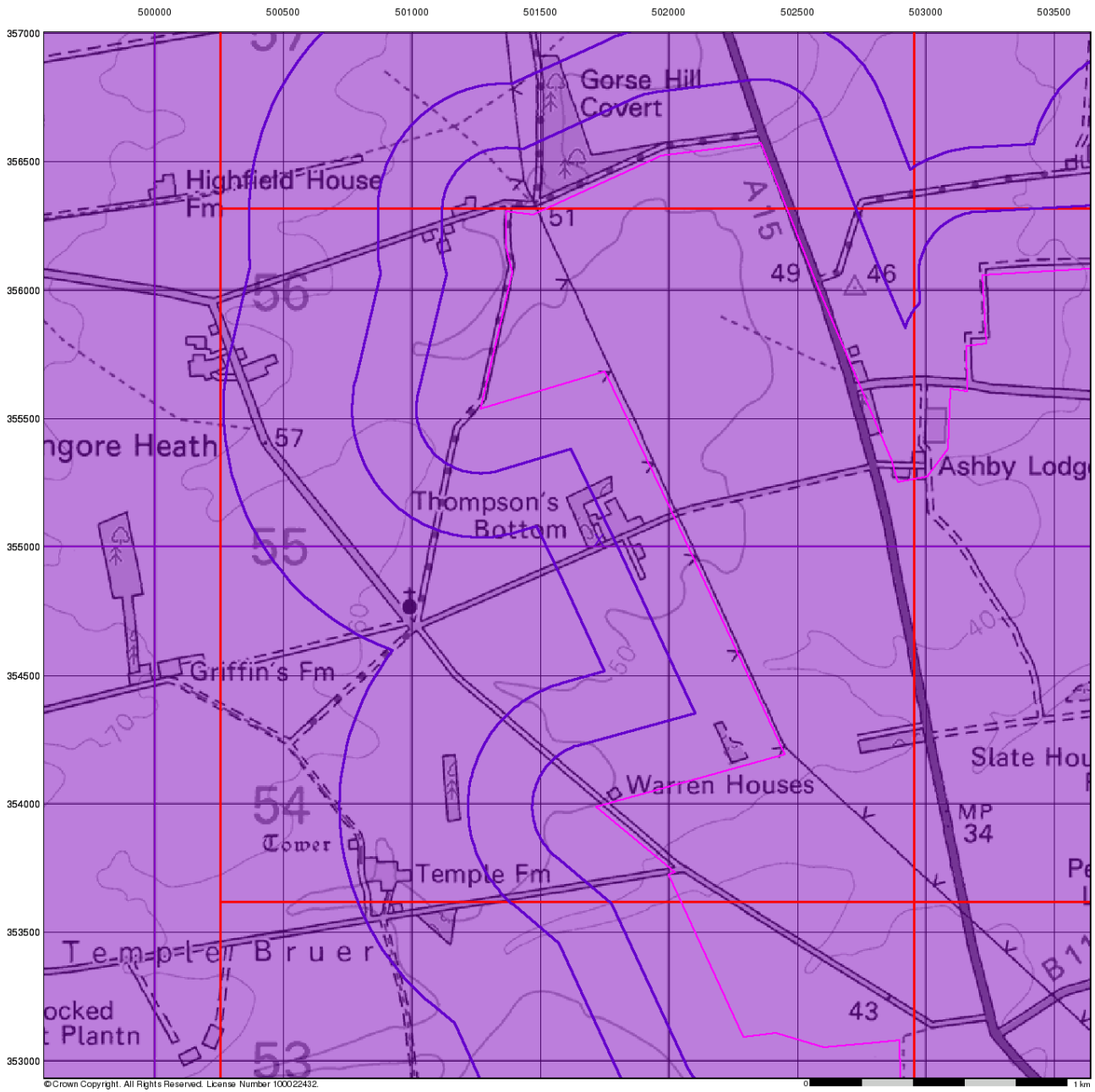
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

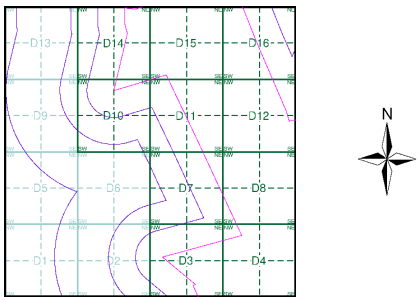
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice D



Order Details

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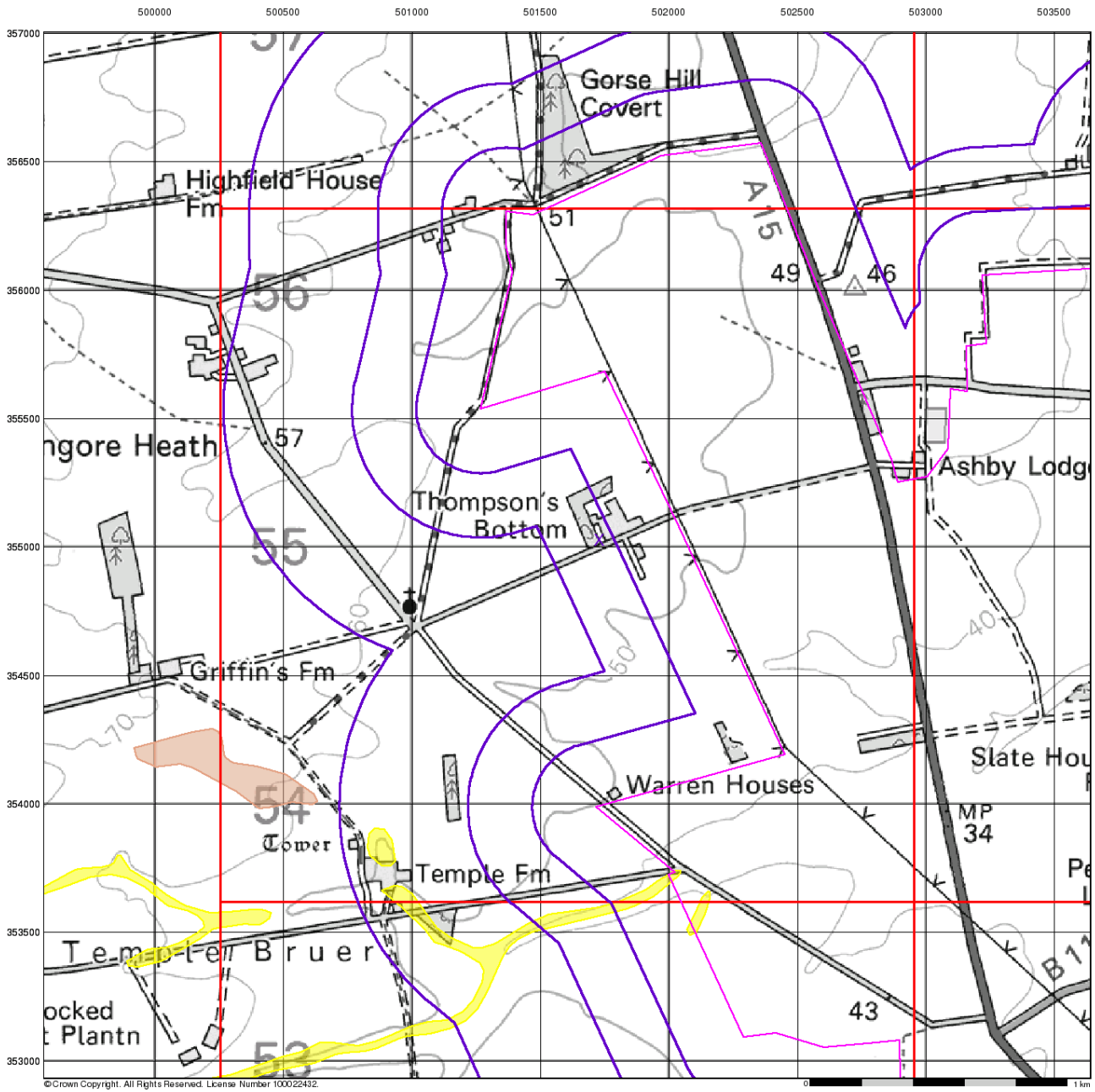
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New



Superficial Aquifer Designation

General

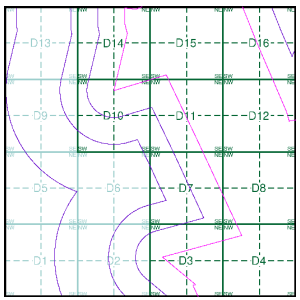
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice D



Order Details

Order Number:	303381609_1_1
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National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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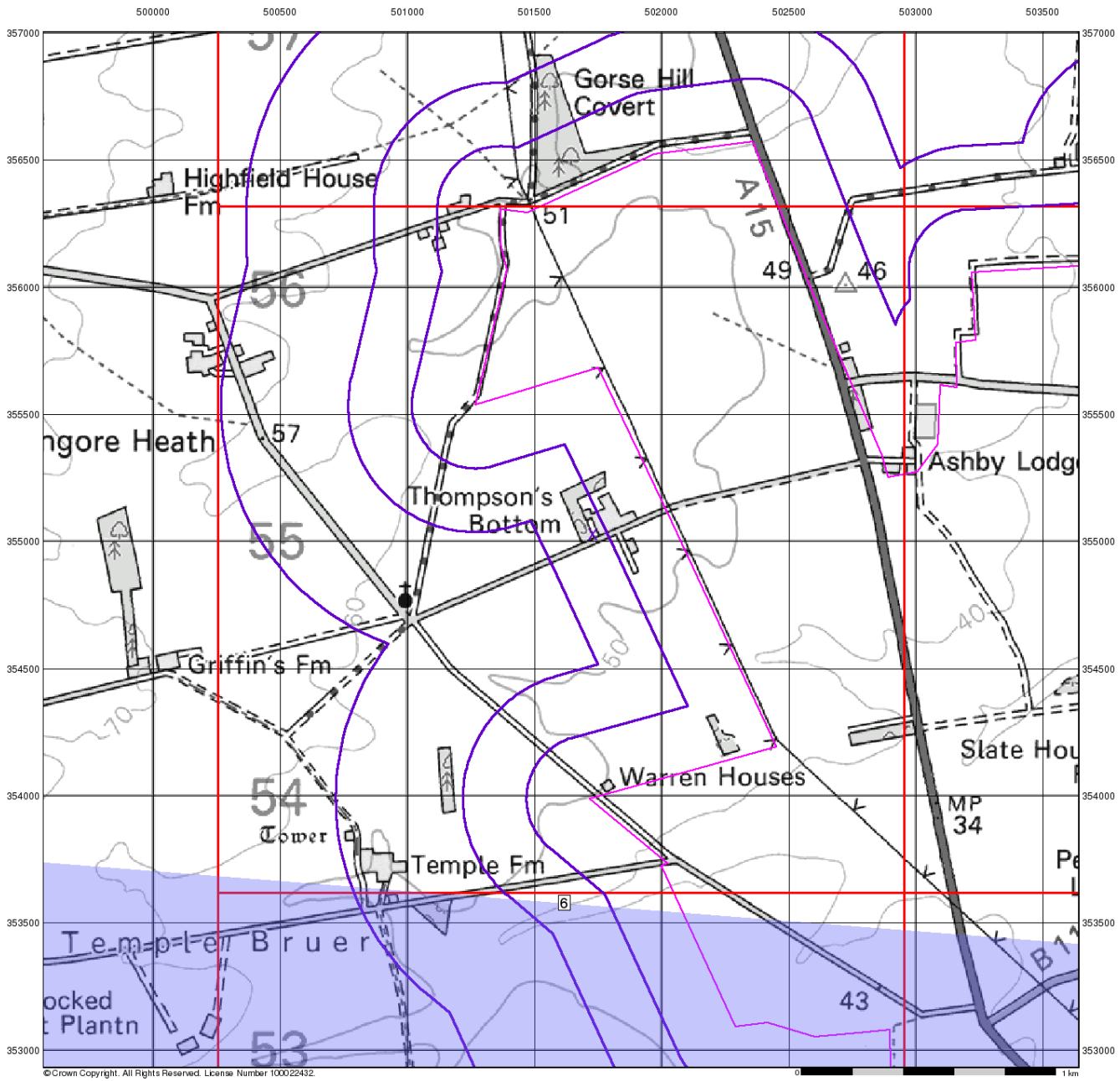


Source Protection Zones

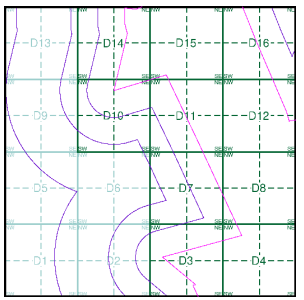
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice D



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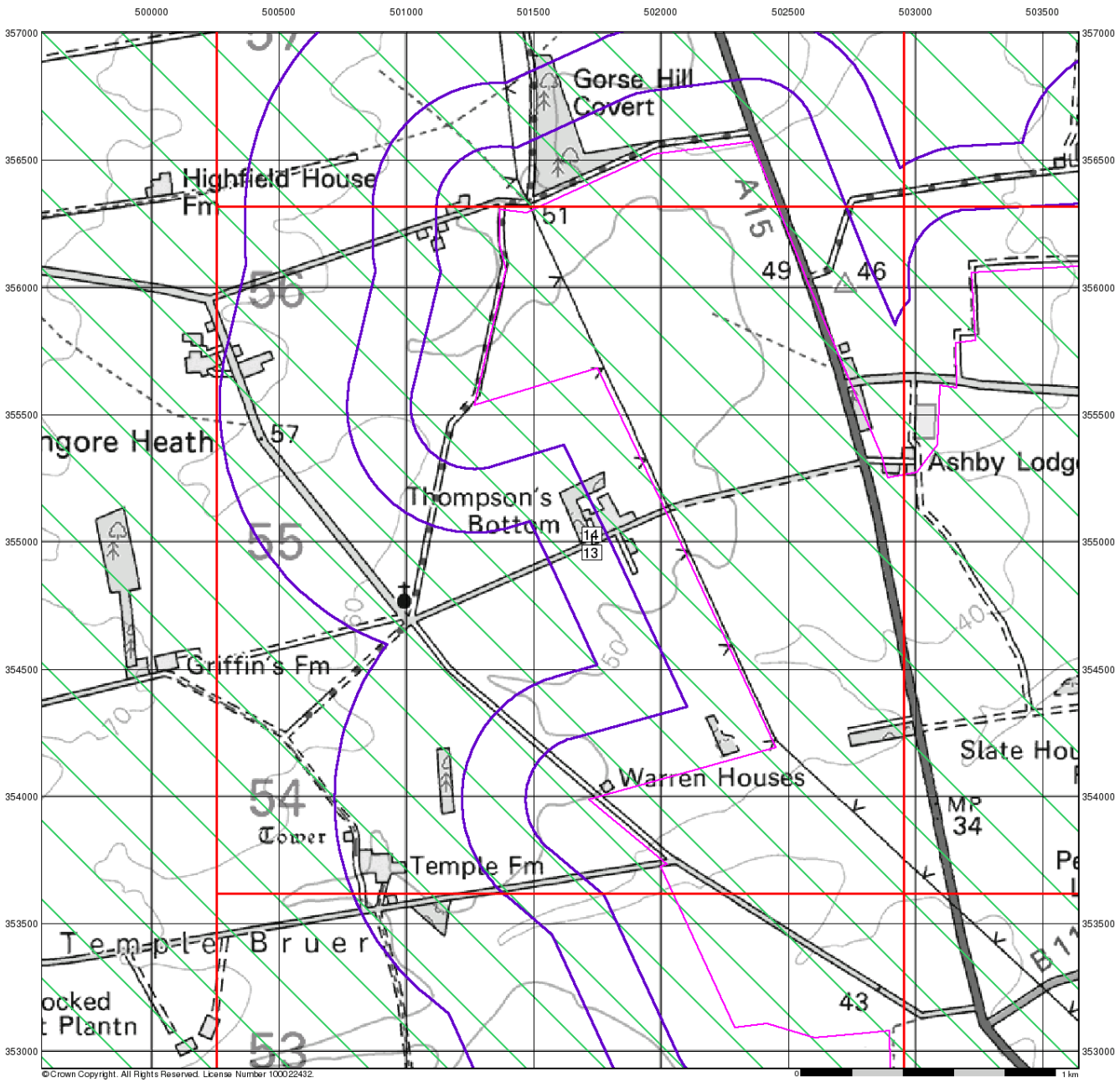


RSK

Sensitive Land Uses

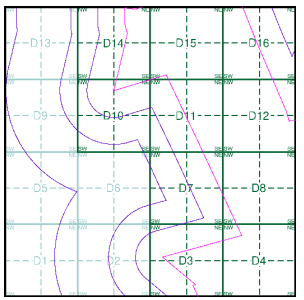
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice D



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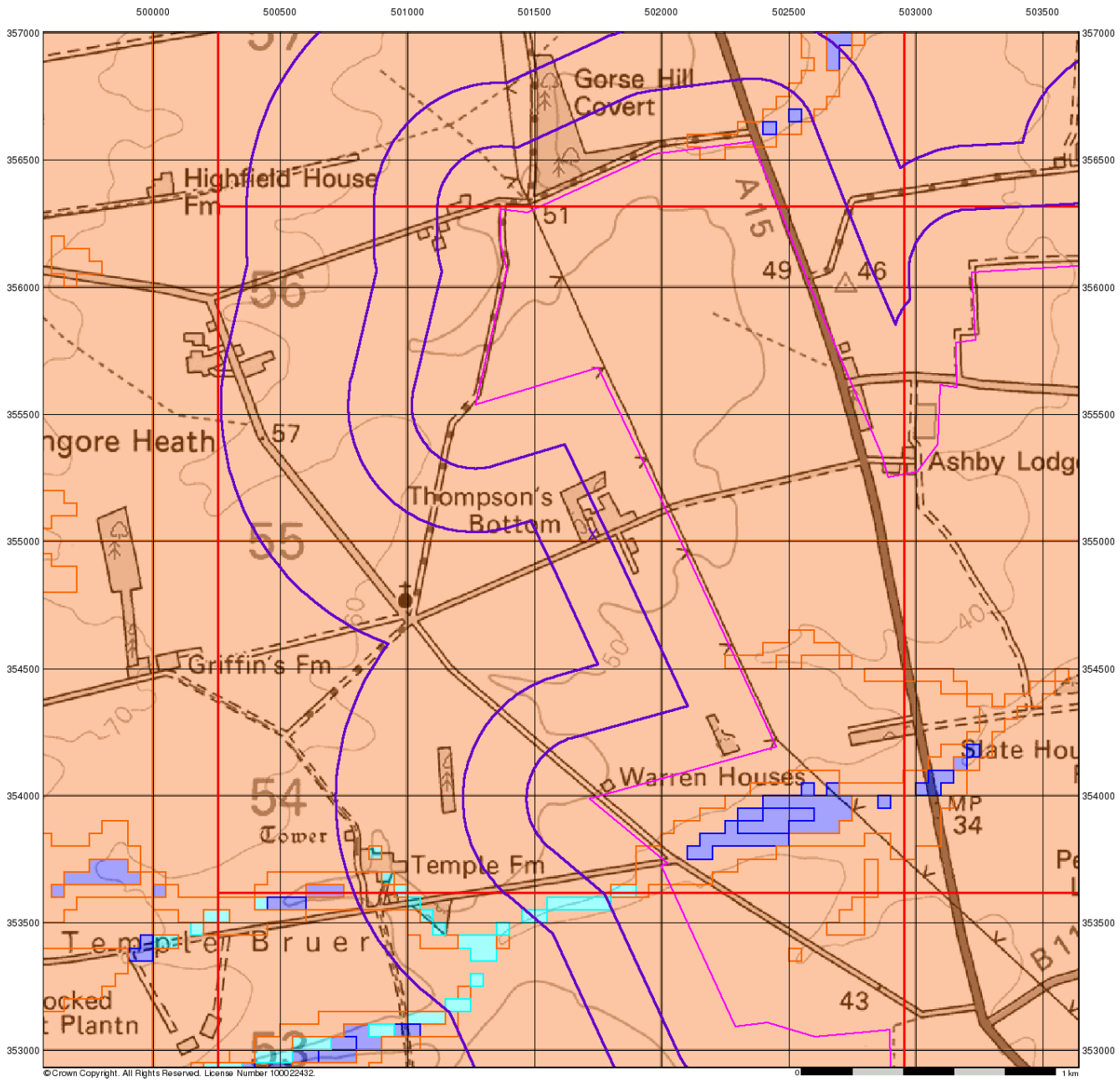
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New



RSK

BGS Flood GFS Data

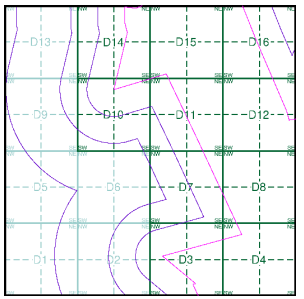
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice D



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National Grid Reference:	501730, 355030
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Site Area (Ha):	1774.17
Search Buffer (m):	1000

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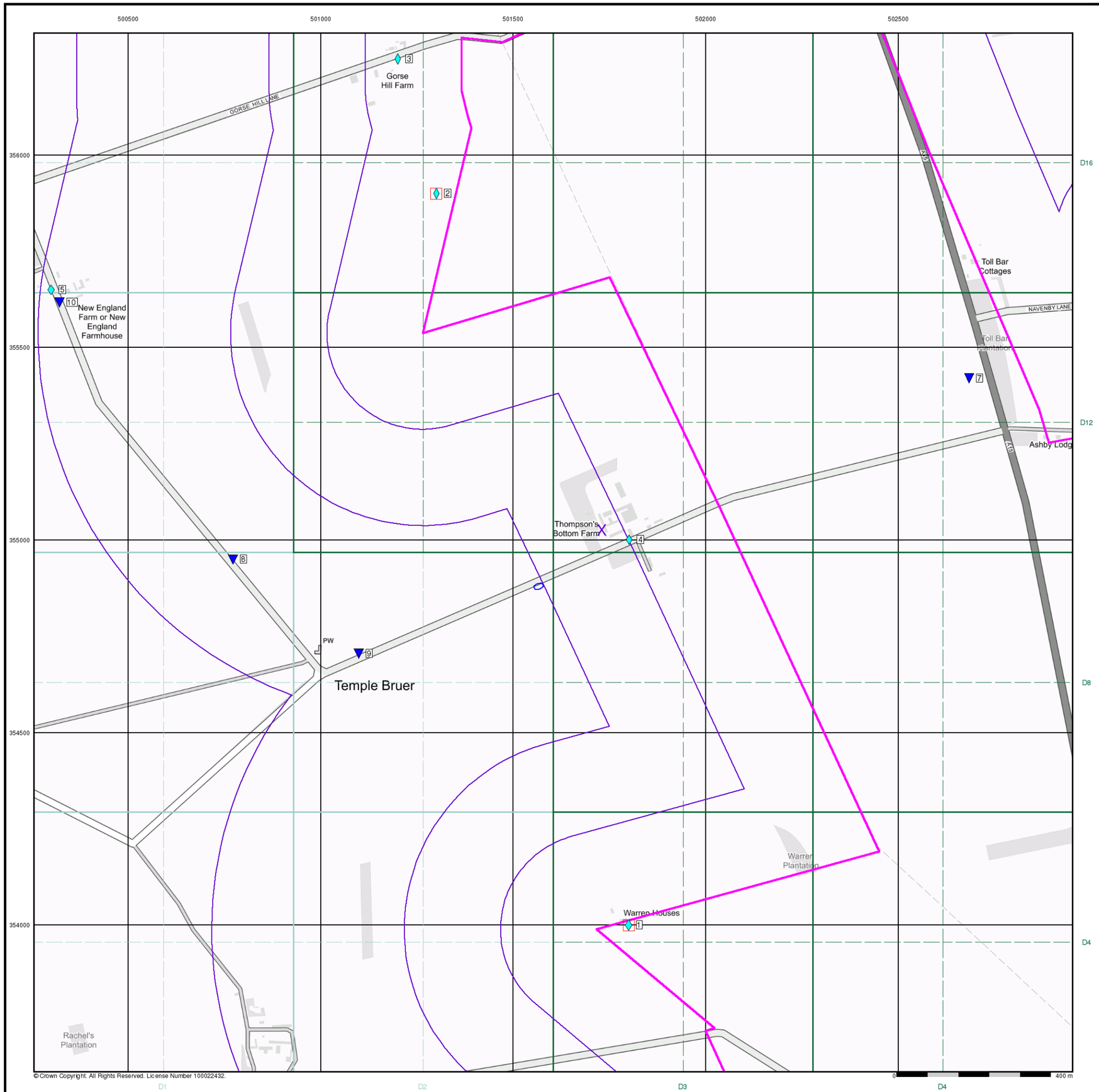


General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Geological

- BGS Recorded Mineral Site

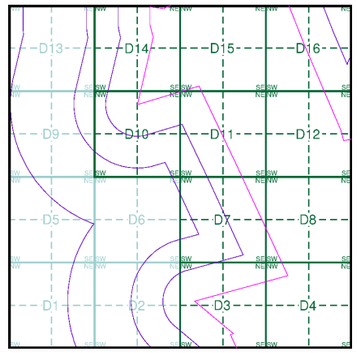
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice D



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Site Details

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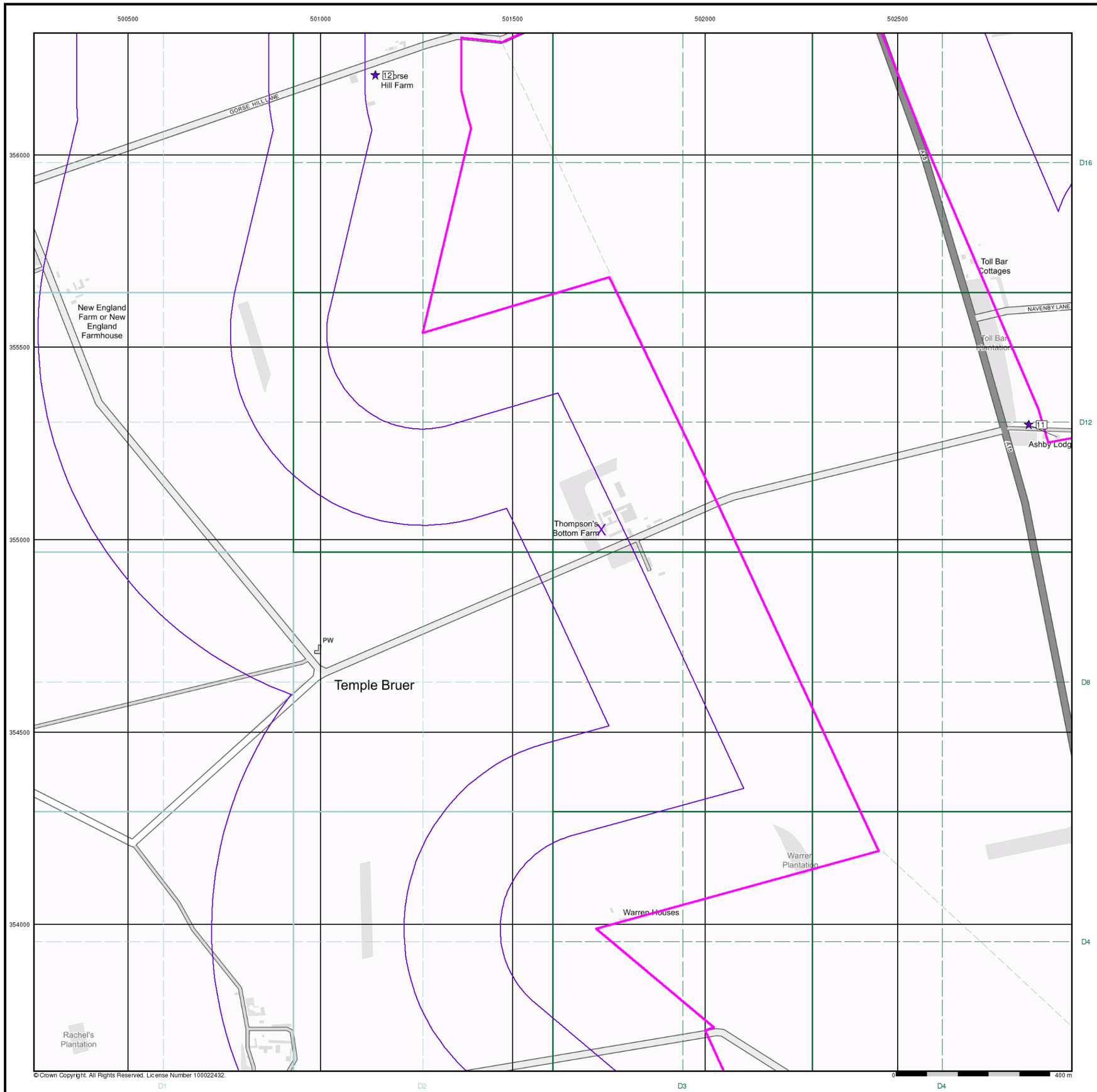


Industrial Land Use Map

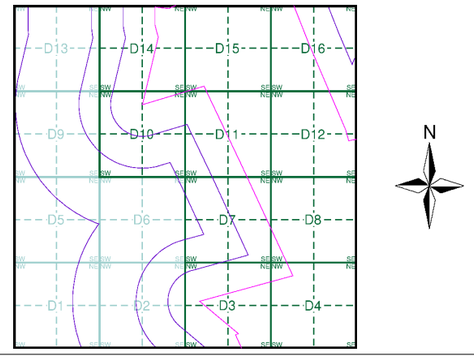
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice D



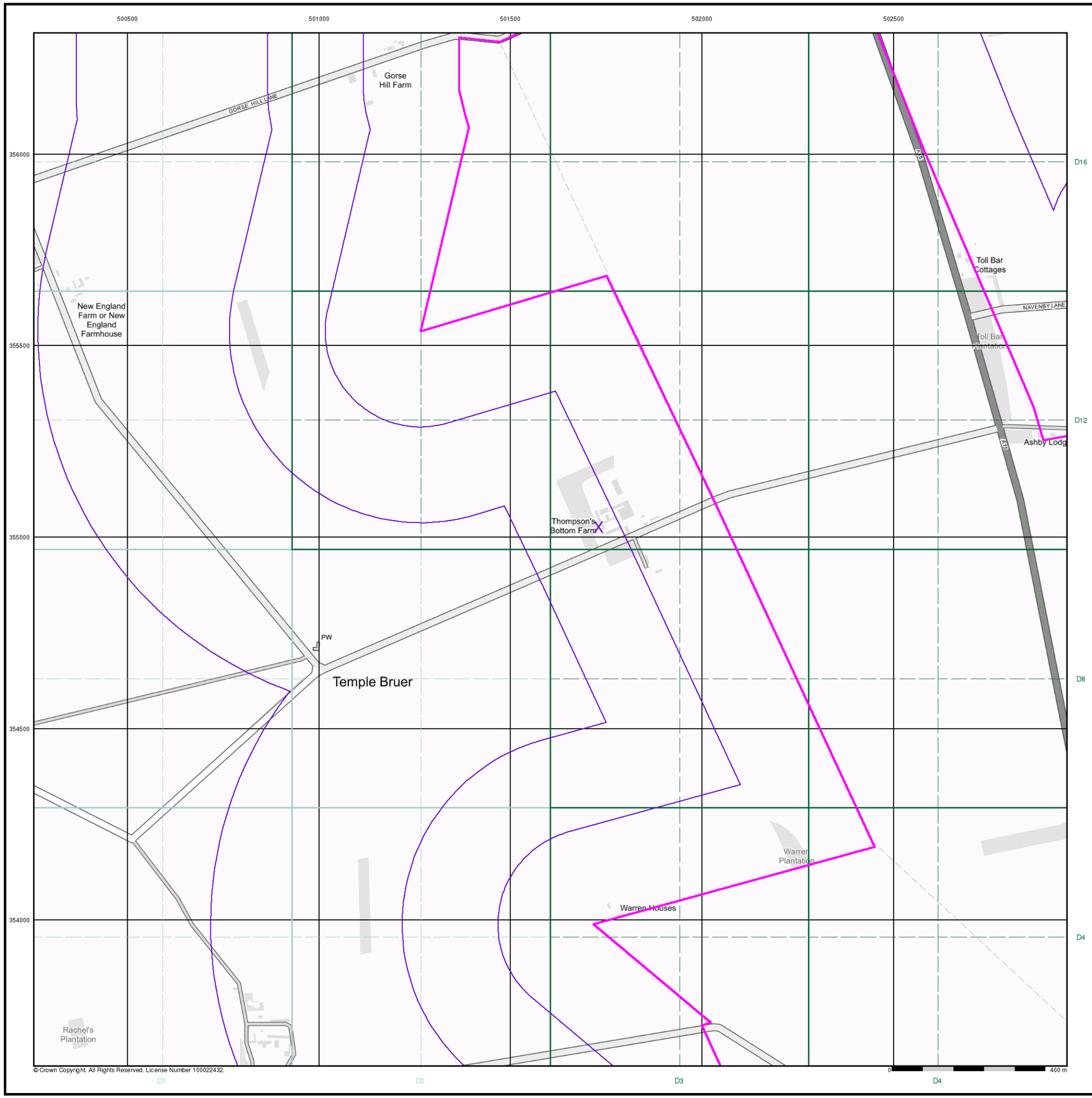
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

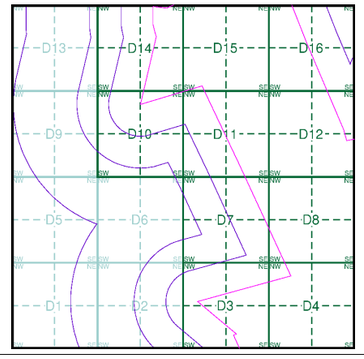
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice D



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
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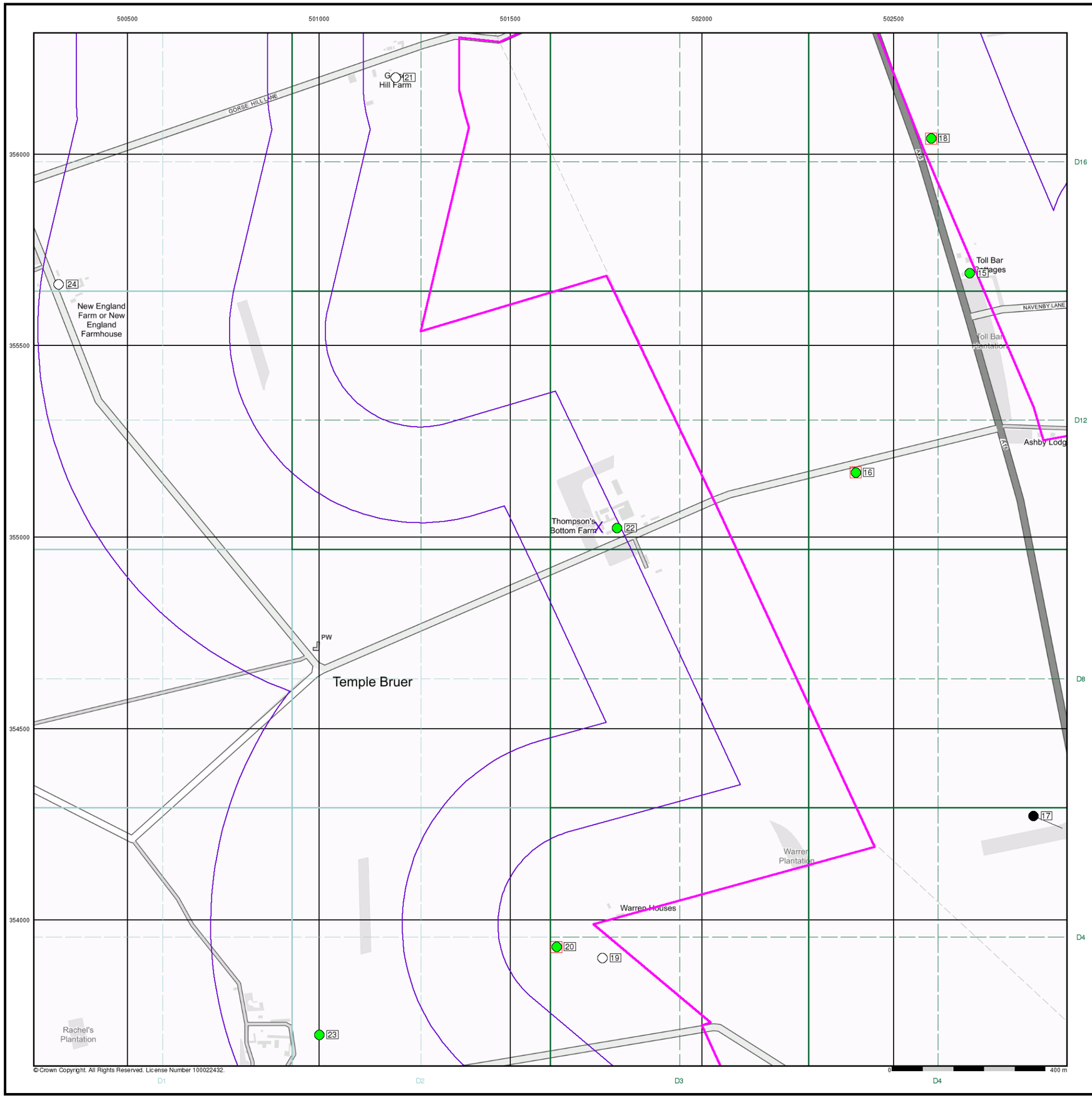
Web: www.envirocheck.co.uk



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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

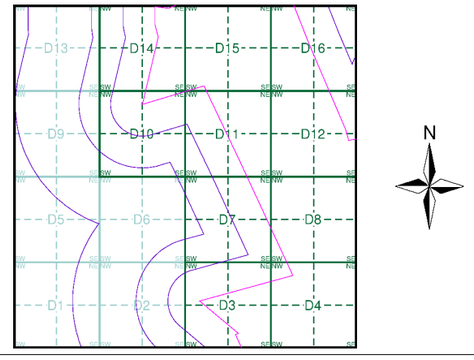
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice D



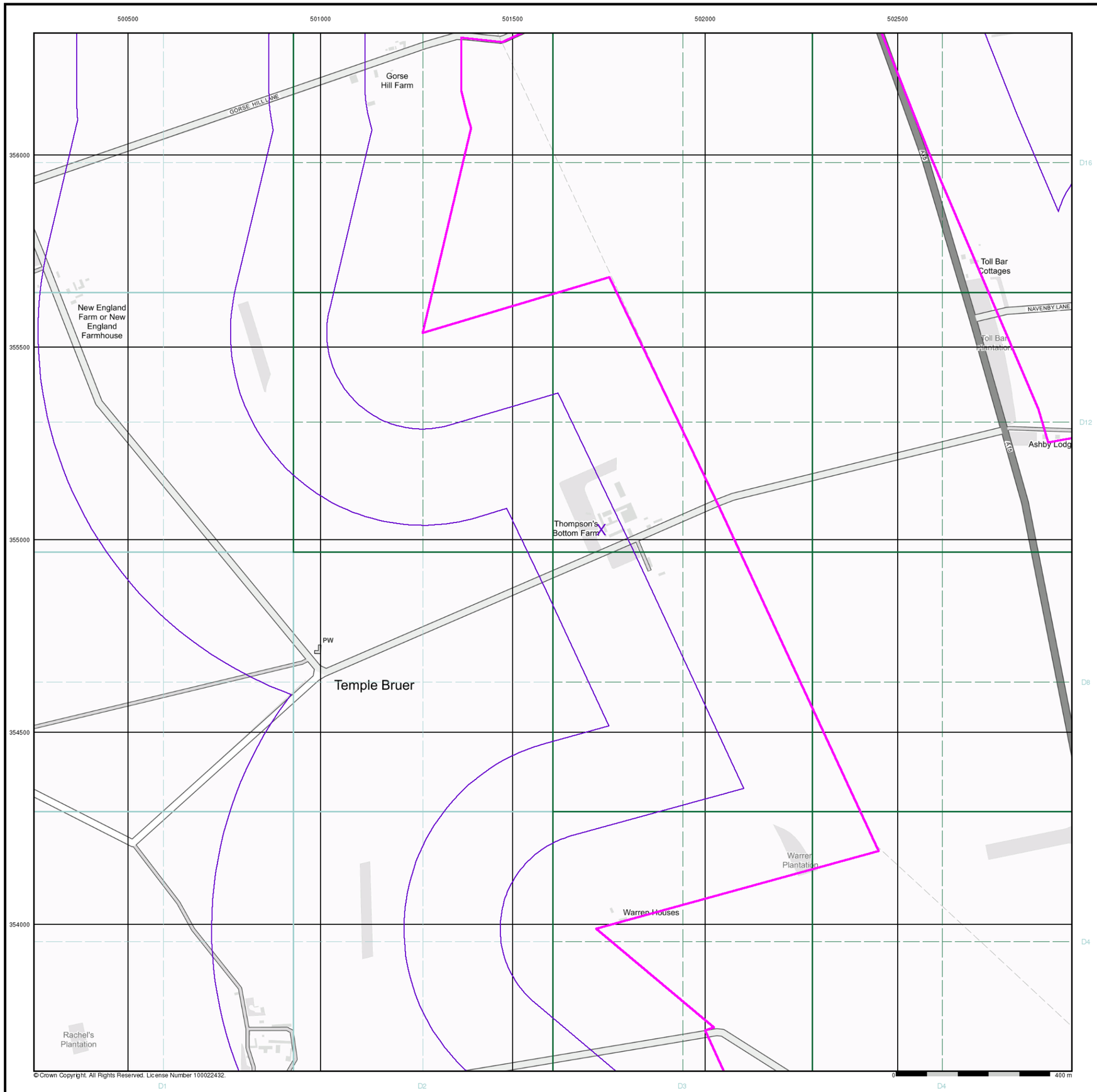
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RSK

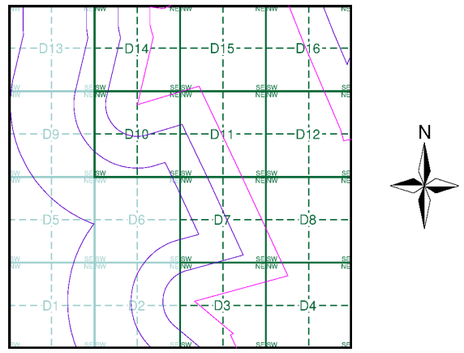
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice D



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Fax: 0844 844 9951
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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
501730, 355030

Slice:
D

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	2
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	3
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	4
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	6
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	8
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1	1			3
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2	1		n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 3	2			
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 3				3
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 3	1			3
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes		n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Ashby Lodge Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136054 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	D12NE (NE)	0	1	502684 355424
2	**BGS Recorded Mineral Sites** Site Name: St Johns Gravel Pit Location: Wellingore, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136048 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	D5NE (W)	765	1	500772 354954
3	**BGS Recorded Mineral Sites** Site Name: St Johns Gravel Pit Location: Wellingore, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136047 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	D6NW (SW)	846	1	501098 354709
4	**BGS Recorded Mineral Sites** Site Name: Wellingore Heath Gravel Pit Location: Wellingore, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136046 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	D9NW (NW)	950	1	500321 355630
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pit (Disused) First Map Published Date: 1979 Last Map Published Date: N/A	D12NE (NE)	0	-	502653 355418

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**General Quarrying** Use: Not Supplied Date of Mapping: 1891 - 1956	D12NE (NE)	0	-	502680 355423
7	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	D4NE (SE)	0	-	502927 354269
8	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1890 - 1906	D5NE (W)	762	-	500793 354937
9	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1890 - 1956	D6NW (SW)	831	-	501127 354698
10	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1890	D9NW (NW)	947	-	500325 355633
11	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	D4NE (SE)	0	-	502927 354271
12	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	D5NE (W)	762	-	500793 354937
13	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	D6NW (SW)	831	-	501127 354698
14	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	D9NW (NW)	947	-	500325 355633

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
15	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
16	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
17	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	501811 356729
18	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
19	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
20	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502028 353739
21	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D4SW (SE)	0	1	502364 353812
22	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D8SW (SE)	0	1	502372 354544
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	503207 354161
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D3SW (S)	118	1	501822 353665
23	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
24	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
25	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502028 353739
26	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502153 353659
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
27	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502153 353659

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D3SE (S)	0	1	502028 353739
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (S)	0	1	501731 355000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D11SW (NW)	0	1	501731 355027

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0054	1979
Ordnance Survey Plan	TF0055	1979
Ordnance Survey Plan	TF0055	1979
Ordnance Survey Plan	TF0056	1979
Ordnance Survey Plan	TF0153	1979
Ordnance Survey Plan	TF0154	1979
Ordnance Survey Plan	TF0154	1979
Ordnance Survey Plan	TF0154	1979
Ordnance Survey Plan	TF0154	1979
Ordnance Survey Plan	TF0155	1979
Ordnance Survey Plan	TF0155	1979
Ordnance Survey Plan	TF0155	1979
Ordnance Survey Plan	TF0155	1979
Ordnance Survey Plan	TF0156	1979
Ordnance Survey Plan	TF0156	1979
Ordnance Survey Plan	TF0253	1979
Ordnance Survey Plan	TF0253	1979
Ordnance Survey Plan	TF0254	1979
Ordnance Survey Plan	TF0254	1979
Ordnance Survey Plan	TF0254	1979
Ordnance Survey Plan	TF0254	1979
Ordnance Survey Plan	TF0254	1979
Ordnance Survey Plan	TF0254	1979
Ordnance Survey Plan	TF0255	1979
Ordnance Survey Plan	TF0255	1979
Ordnance Survey Plan	TF0255	1979
Ordnance Survey Plan	TF0255	1979
Ordnance Survey Plan	TF0256	1980
Ordnance Survey Plan	TF0256	1980

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	086_SE	1890
Lincolnshire	096_NE	1890
Lincolnshire	087_SW	1891
Lincolnshire	097_NW	1891
Lincolnshire	096_NE	1905
Lincolnshire	086_SE	1906
Lincolnshire	087_SW	1906
Lincolnshire	097_NW	1906
Lincolnshire	086_SE	1947
Lincolnshire	096_NE	1947
Lincolnshire	097_NW	1950
Lincolnshire	087_SW	1951
Ordnance Survey Plan	TF05NW	1956
Ordnance Survey Plan	TF05SW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF05NW	1985
Ordnance Survey Plan	TF05SW	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

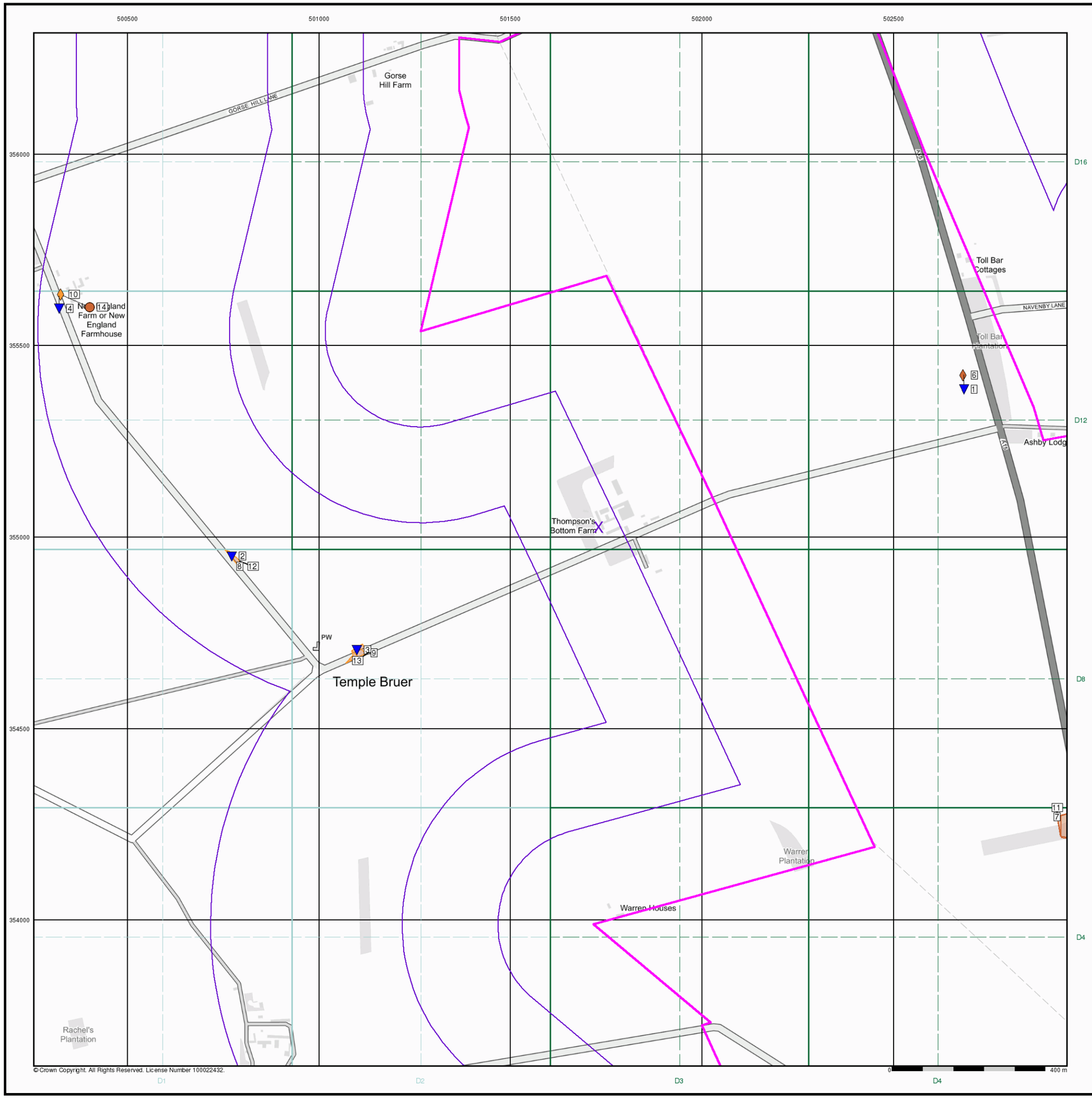
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

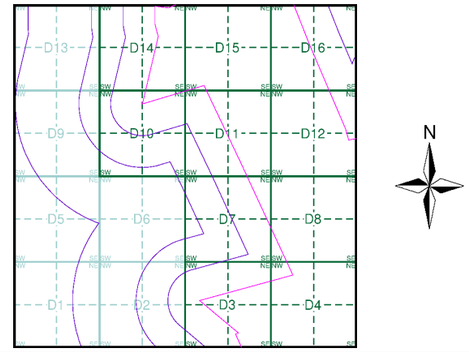
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice D



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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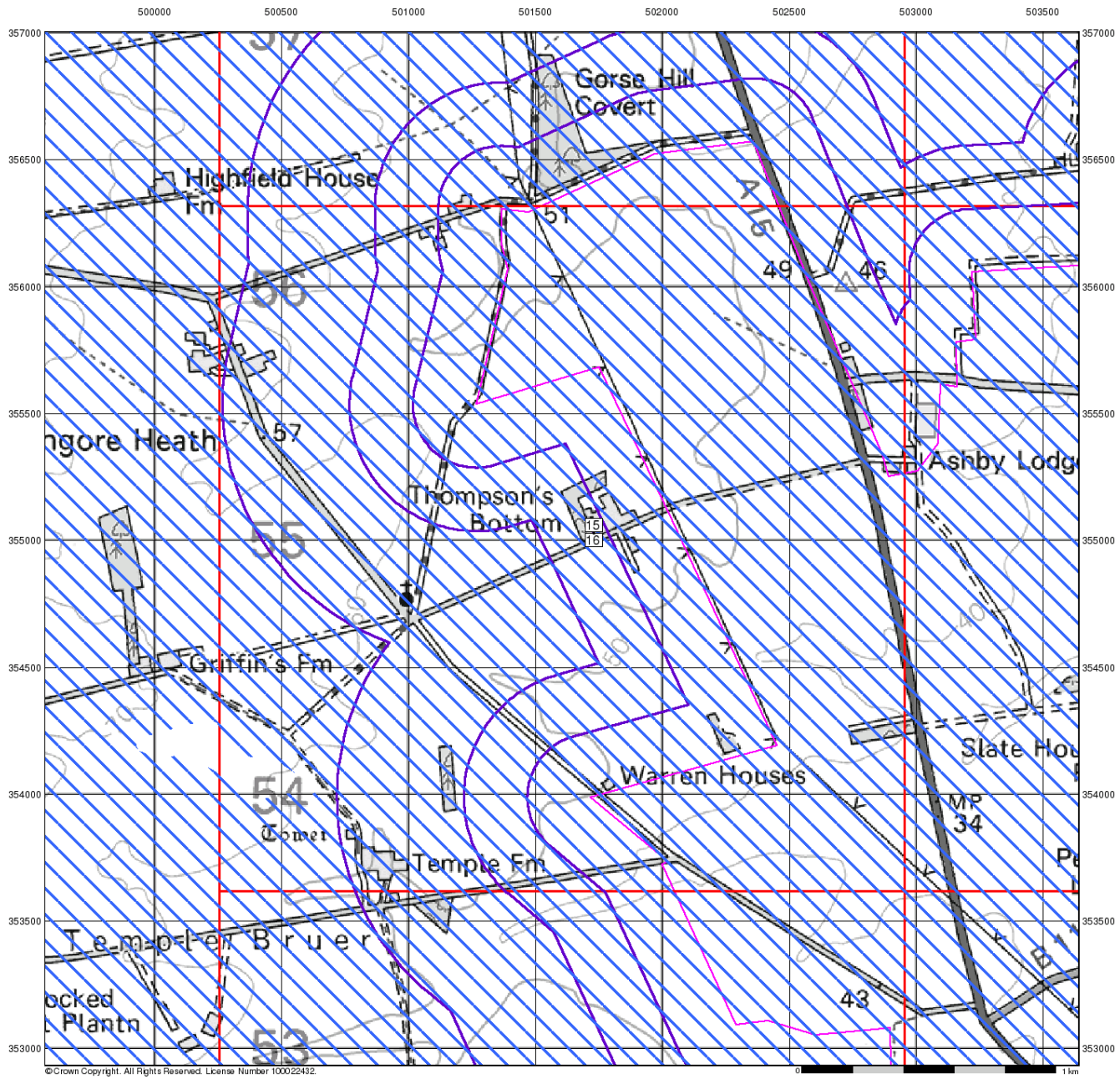
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

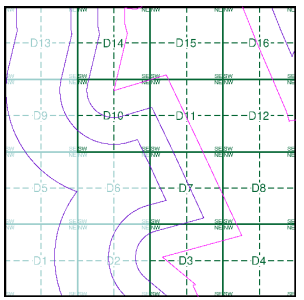
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice D



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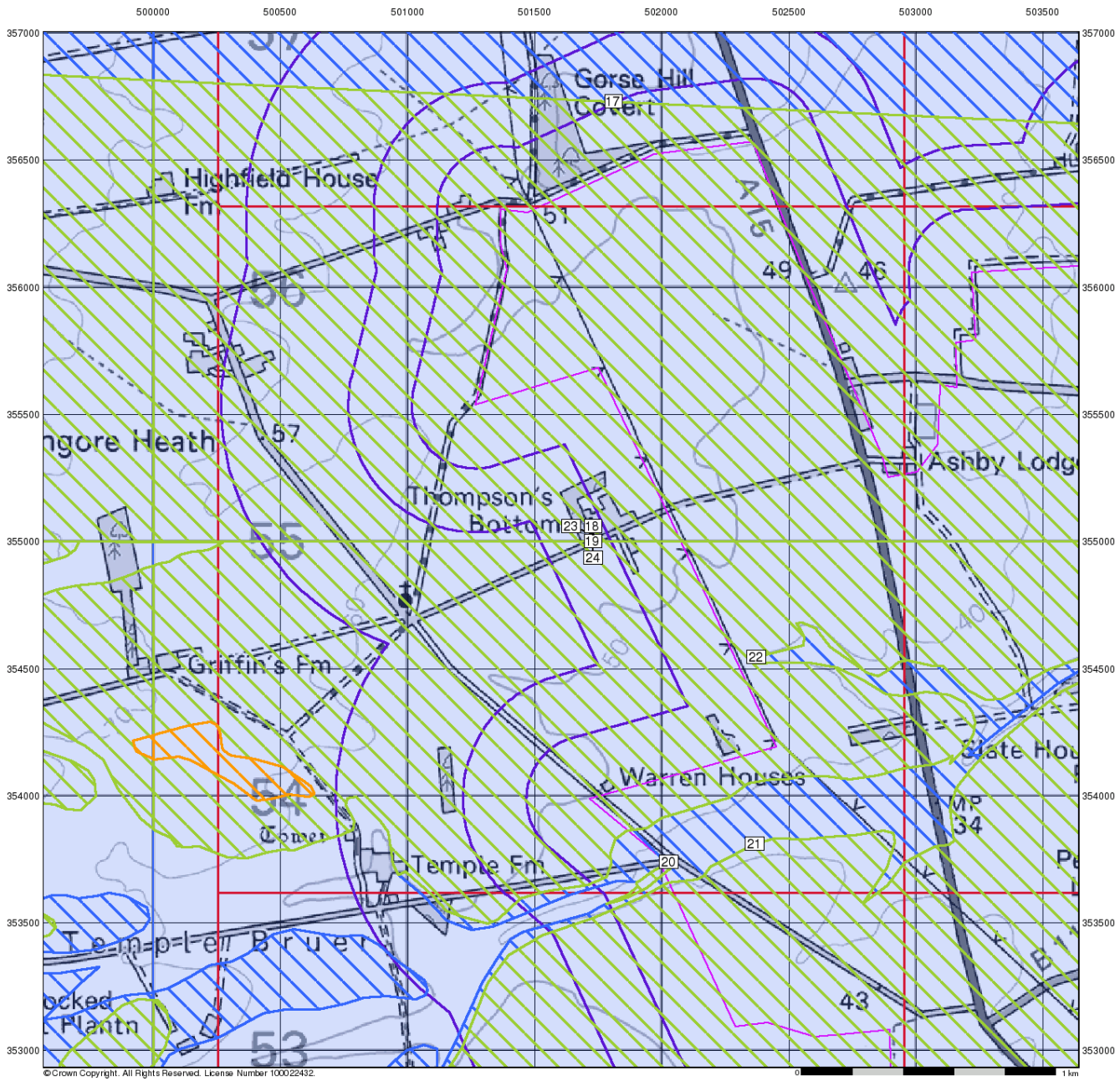

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

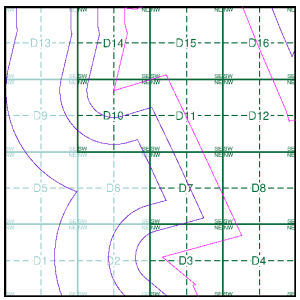
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice D



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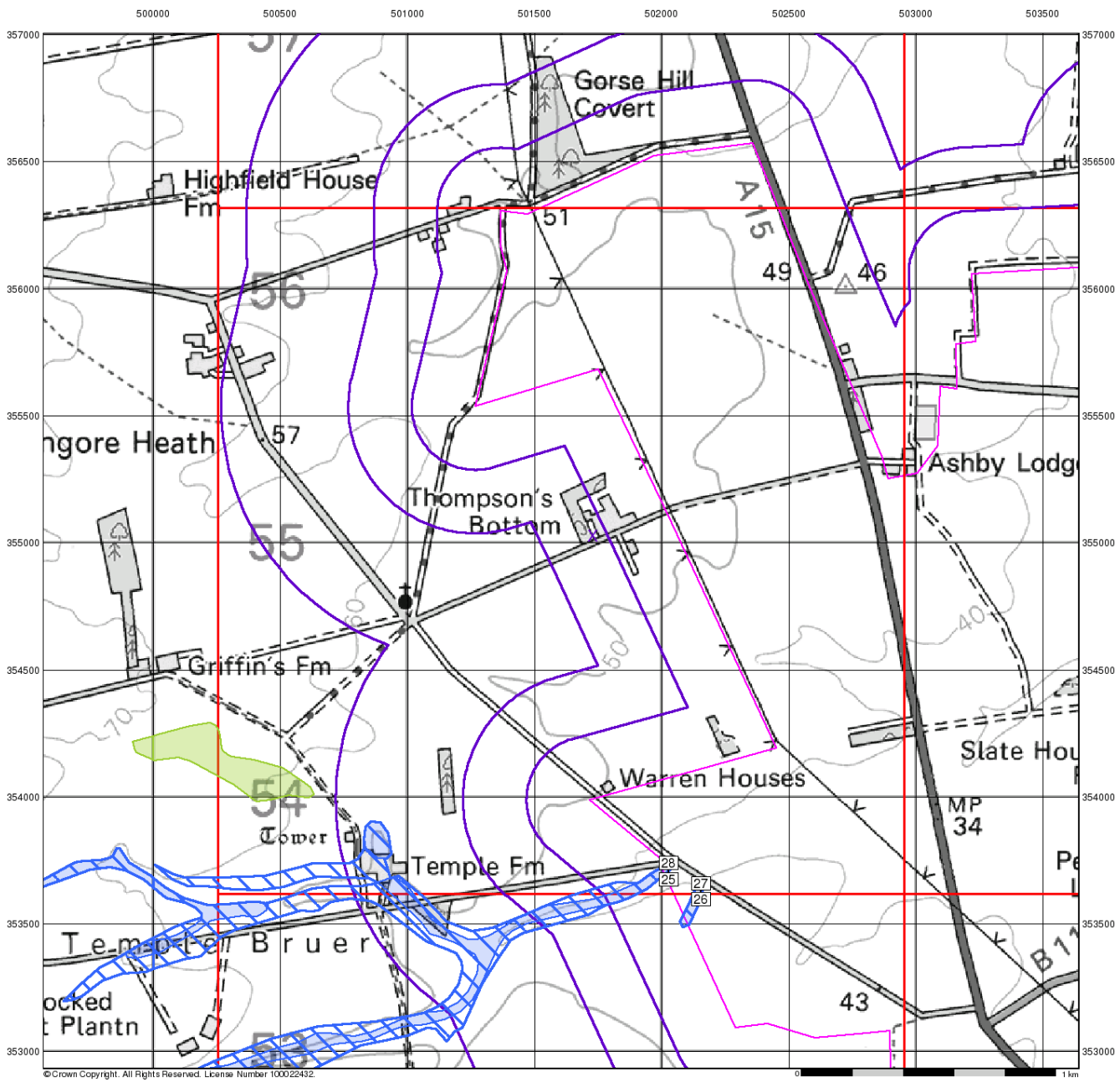

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

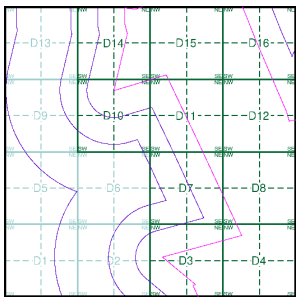
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice D



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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Electricity Transmission Line
Pole
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

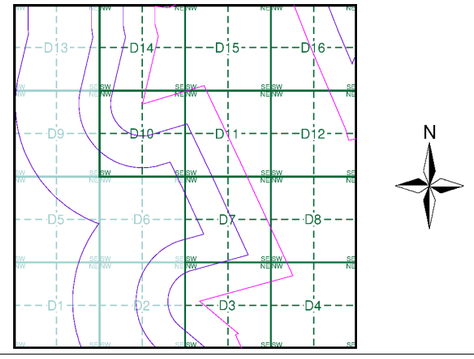
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1905 - 1906	3
Lincolnshire	1:10,560	1947 - 1951	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1985	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice D



Order Details

Order Number: 303381609_1_1
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National Grid Reference: 501730, 355030
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Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

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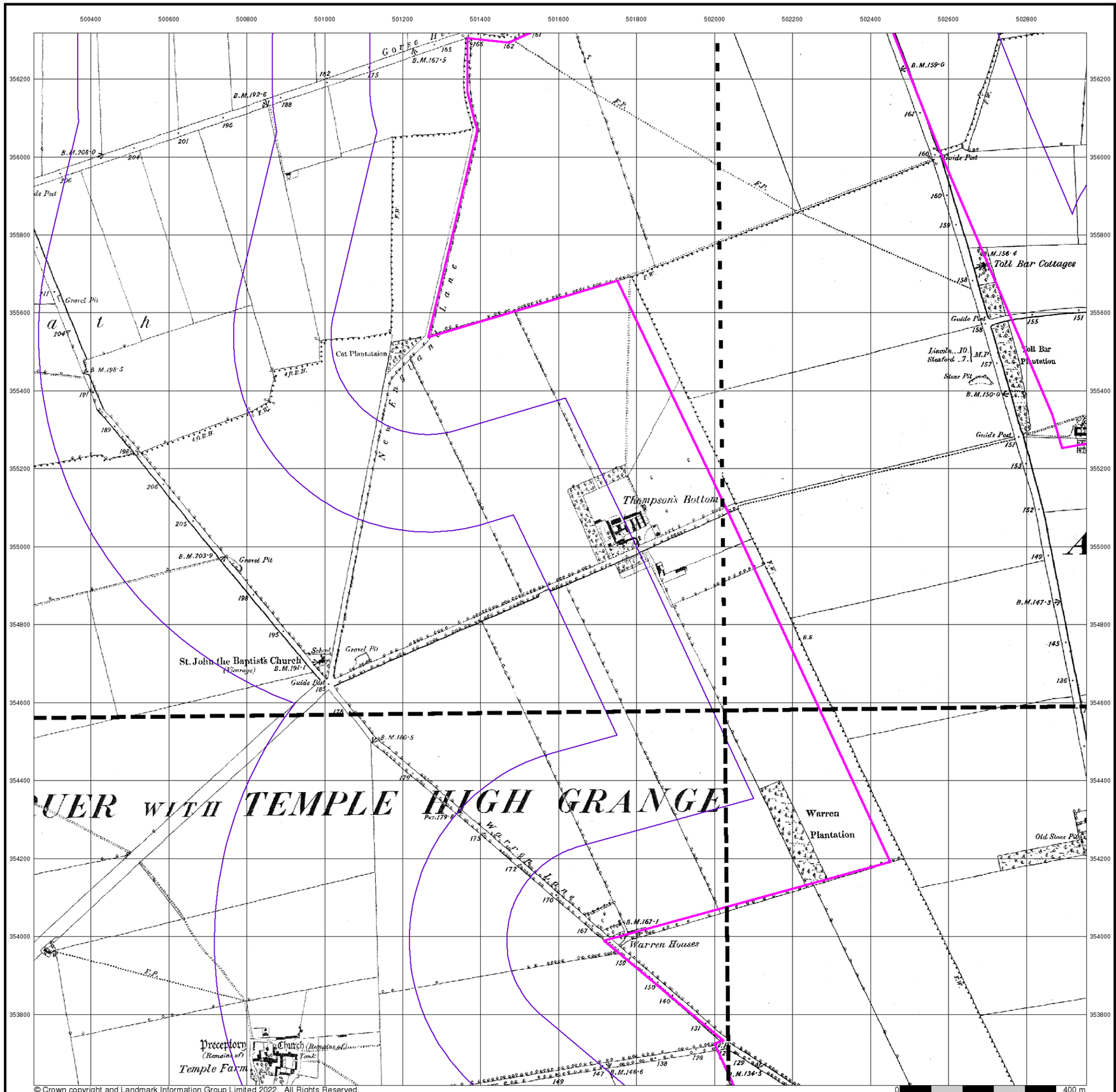

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RSK

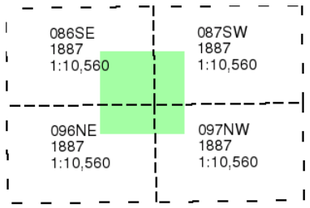
Lincolnshire

Published 1887

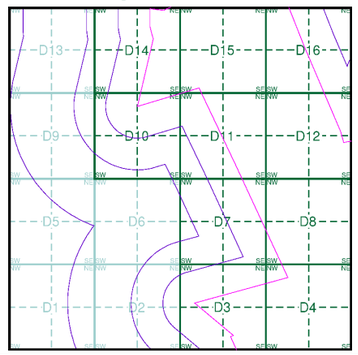
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice D



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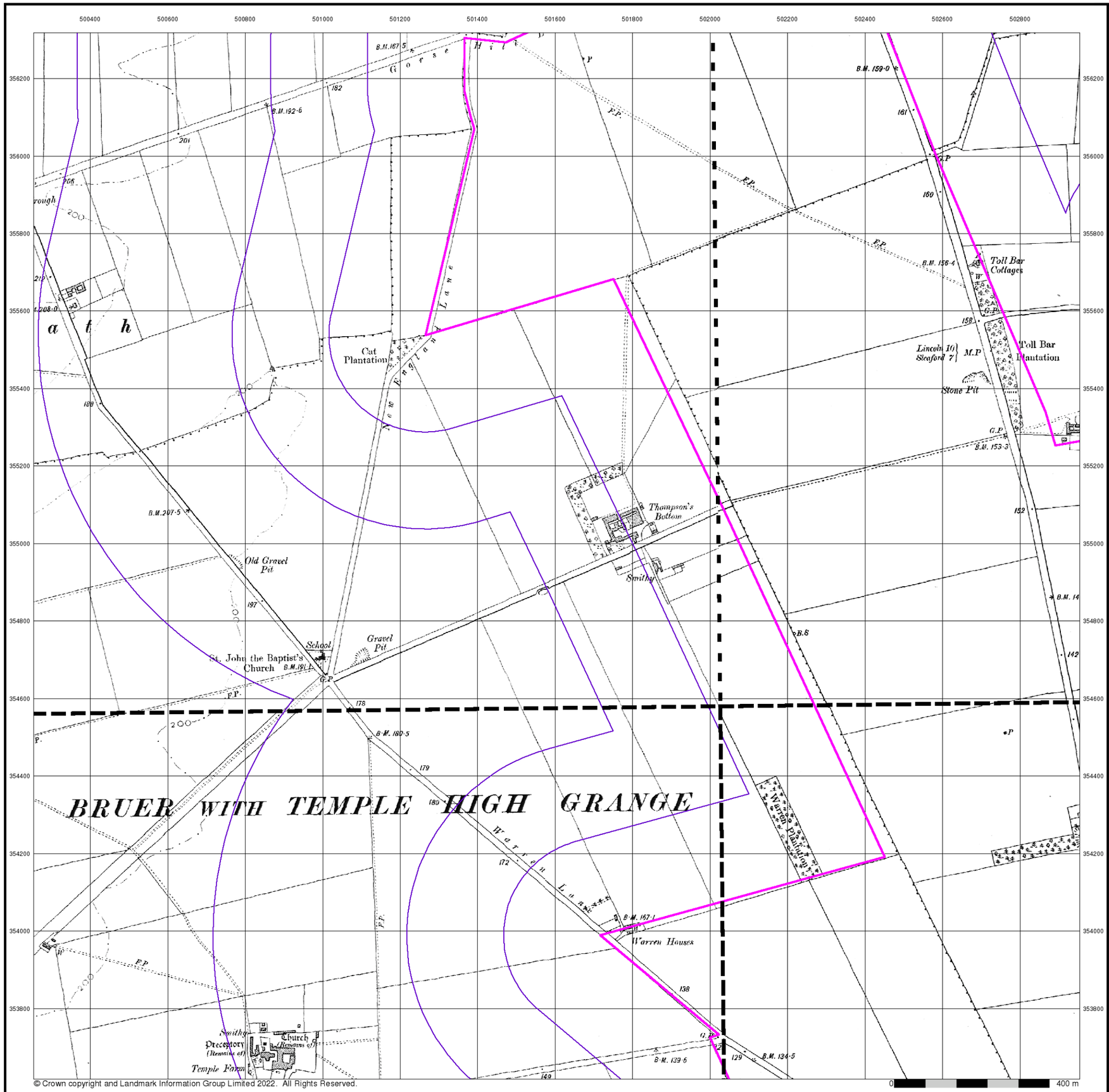

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RSK

Lincolnshire

Published 1905 - 1906

Source map scale - 1:10,560

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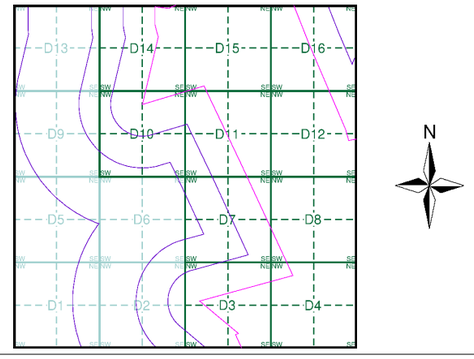
Map Name(s) and Date(s)

086SE 1906 1:10,560	087SW 1906 1:10,560
096NE 1905 1:10,560	097NW 1906 1:10,560

Historical Map - Slice D



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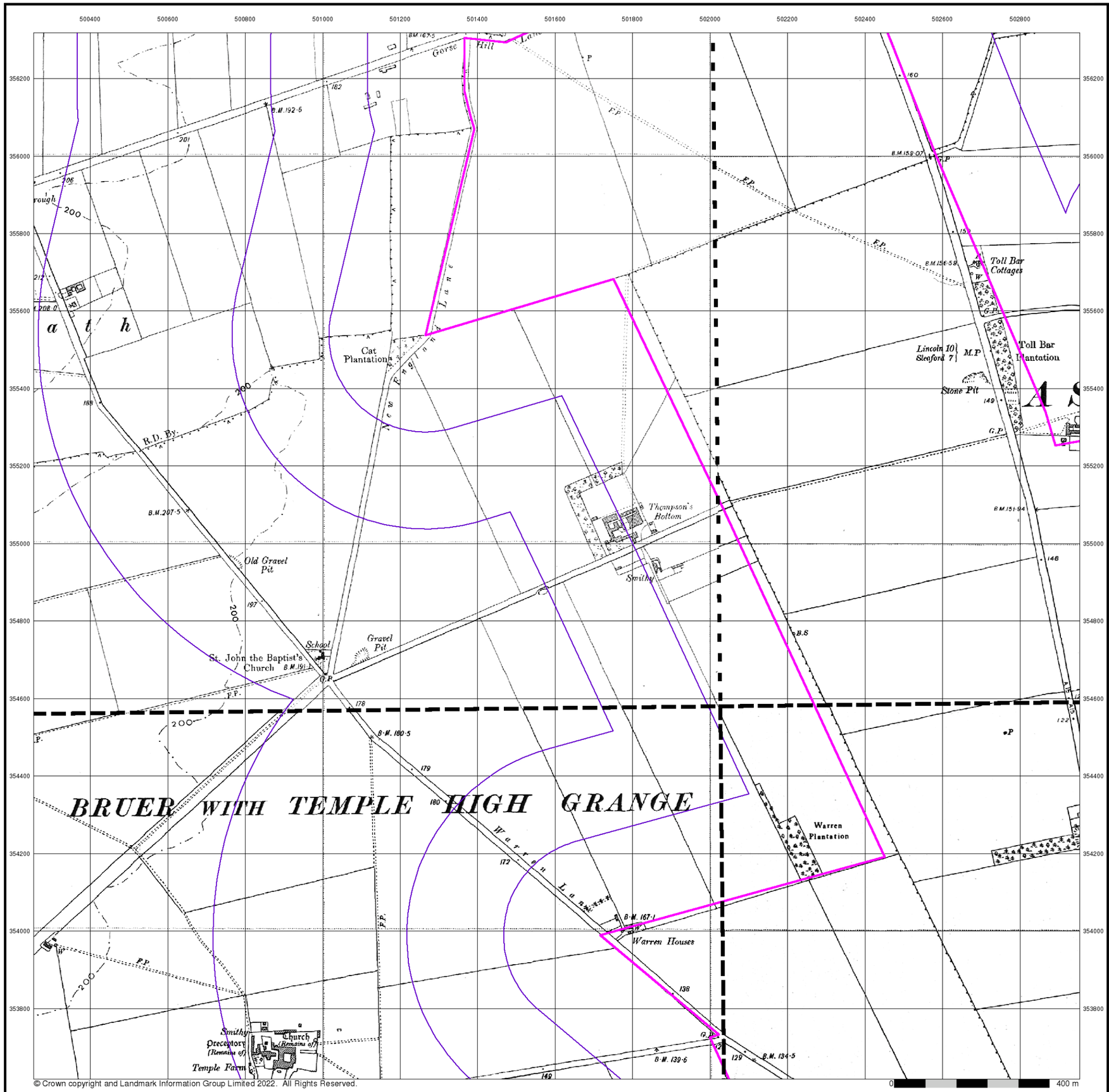

RSK

Lincolnshire

Published 1947 - 1951

Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

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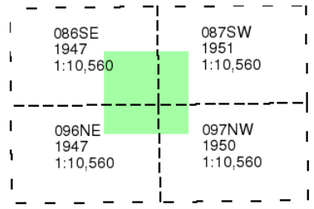
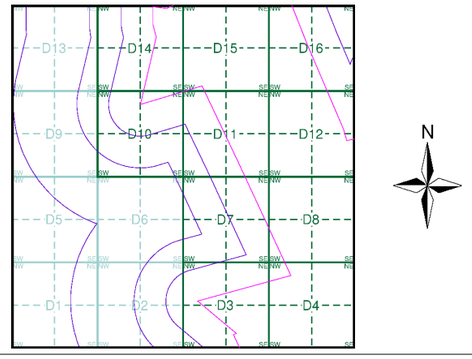


Historical Map - Slice D



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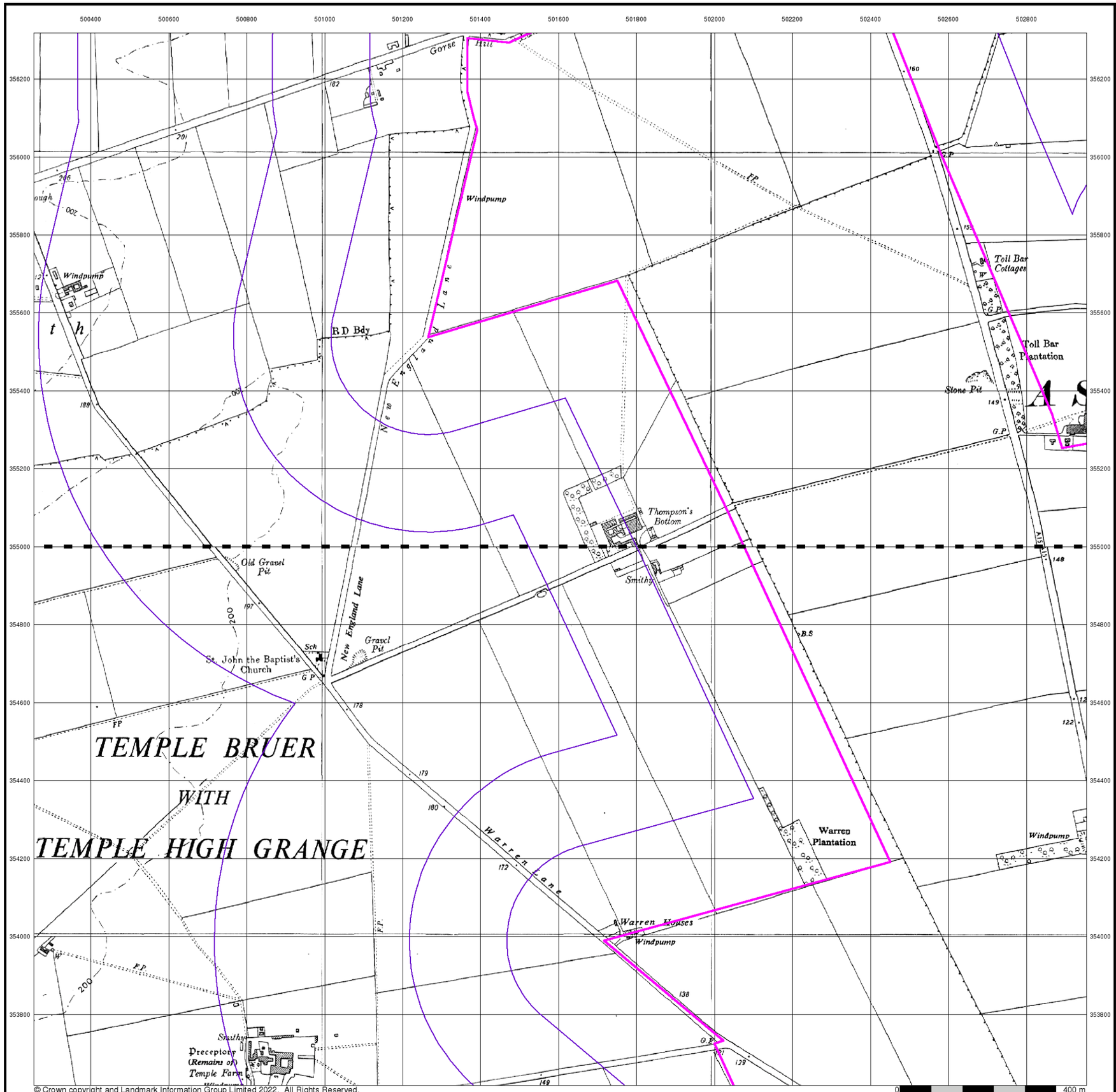

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RSK

Ordnance Survey Plan

Published 1956

Source map scale - 1:10,000

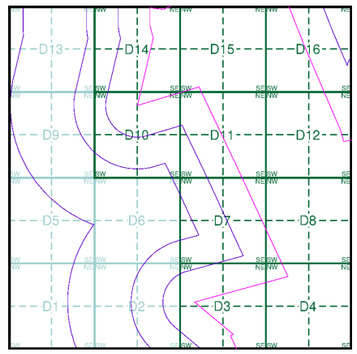
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TF05NW
1956
1:10,560

TF05SW
1956
1:10,560

Historical Map - Slice D



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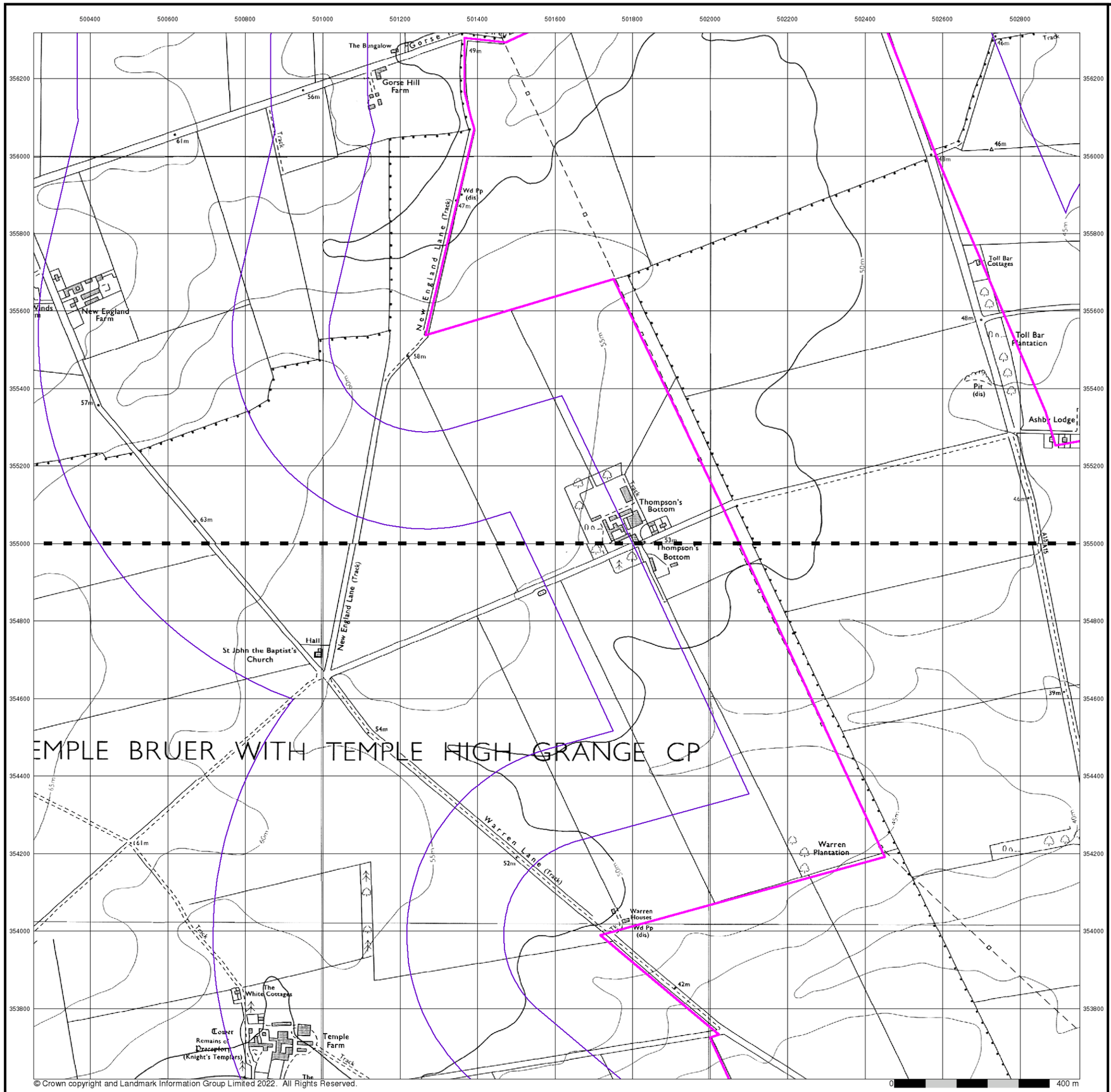

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Ordnance Survey Plan

Published 1985

Source map scale - 1:10,000

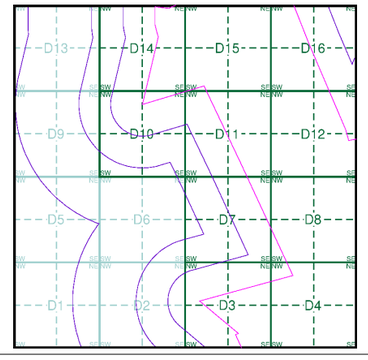
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TF05NW
1985
1:10,000

TF05SW
1985
1:10,000

Historical Map - Slice D



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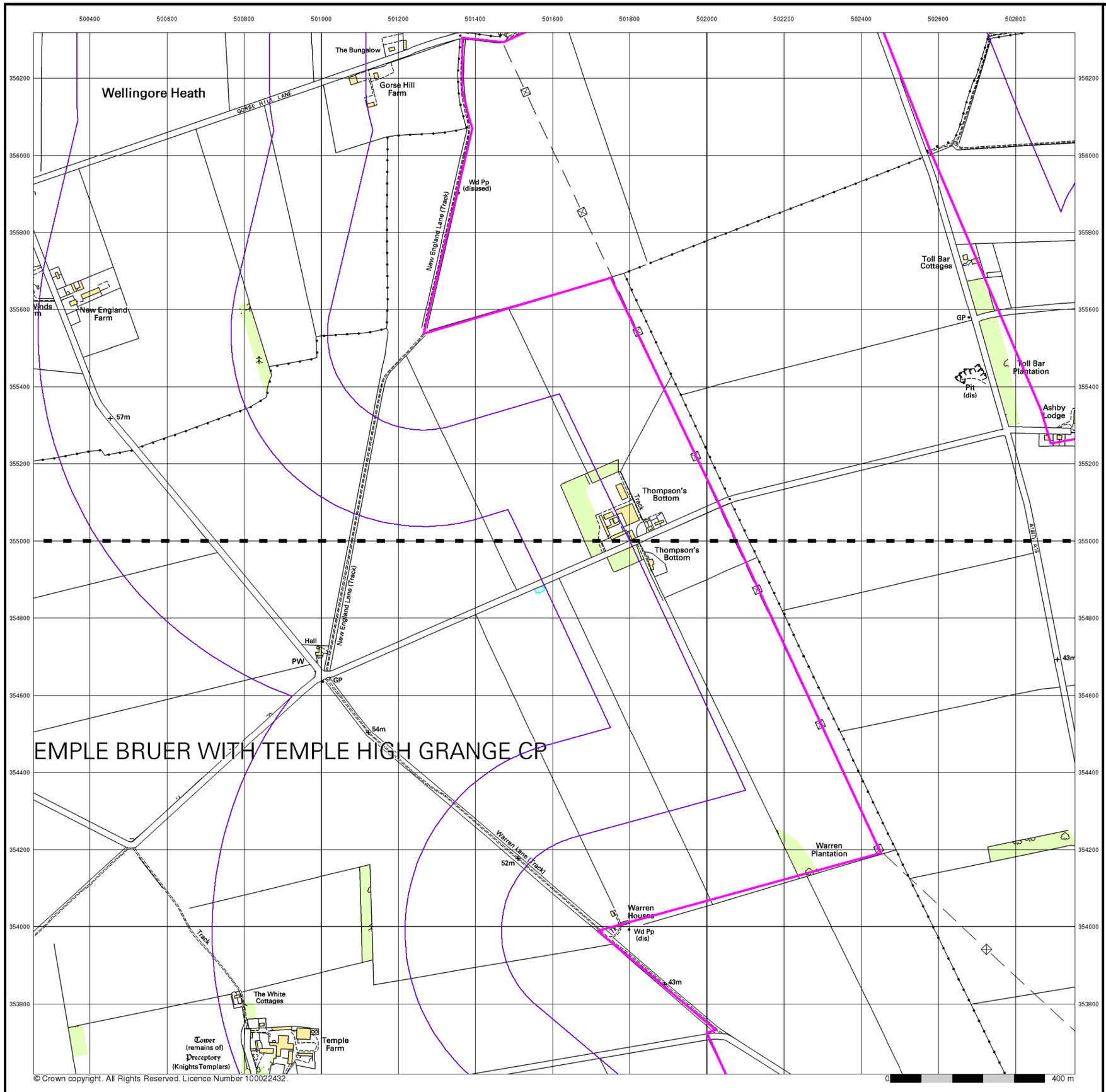


RSK

10k Raster Mapping

Published 2000

Source map scale - 1:10,000

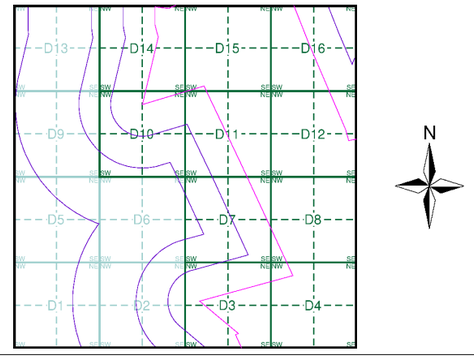
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TF05NW
2000
1:10,000

TF05SW
2000
1:10,000

Historical Map - Slice D



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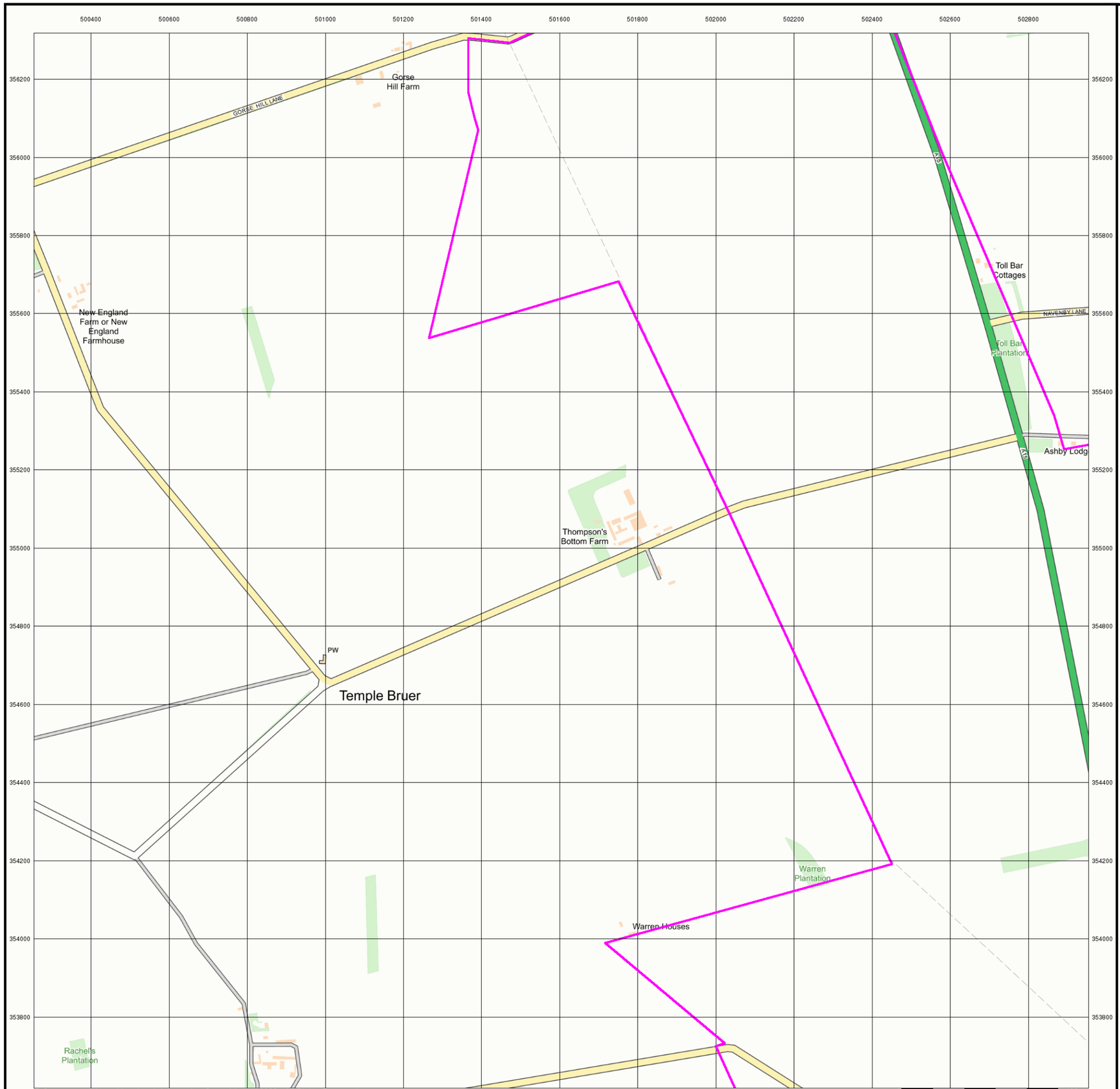

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RSK

Street View

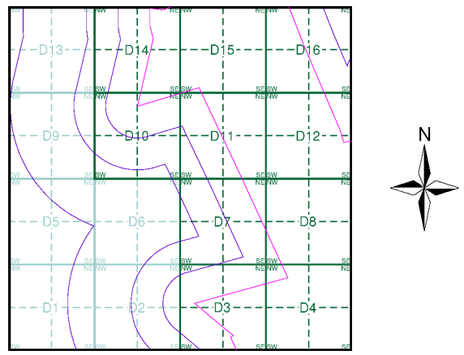
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice D



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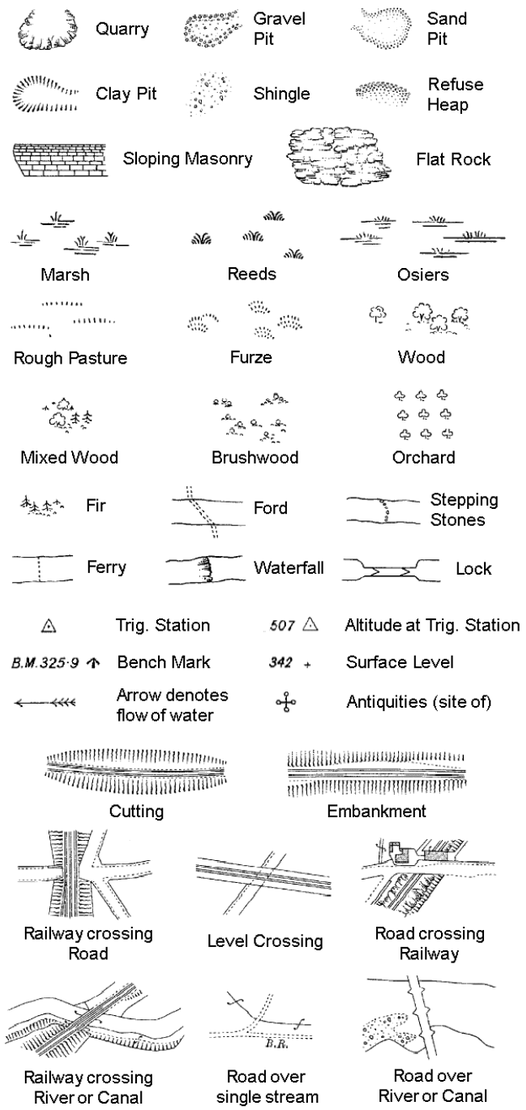
Historical Mapping Legends

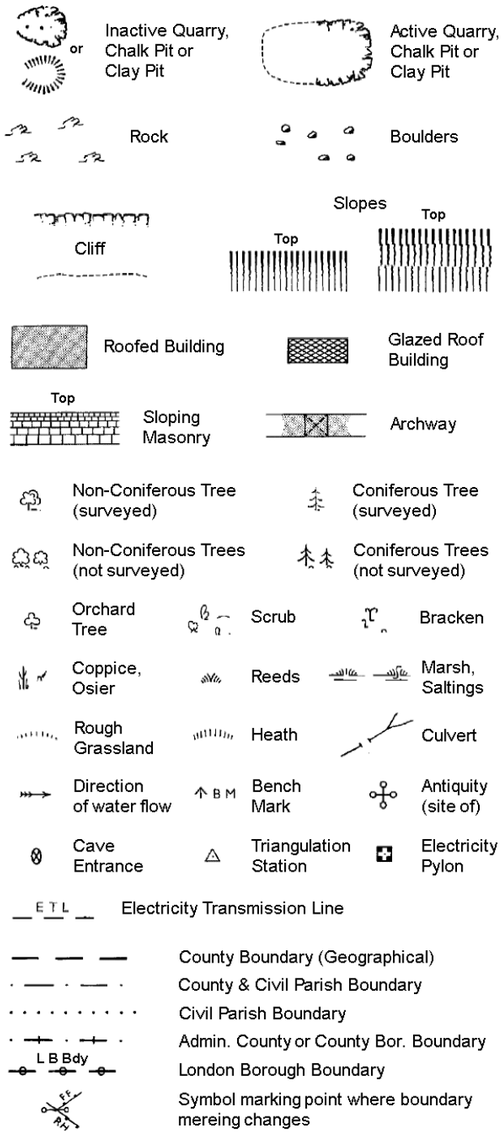
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

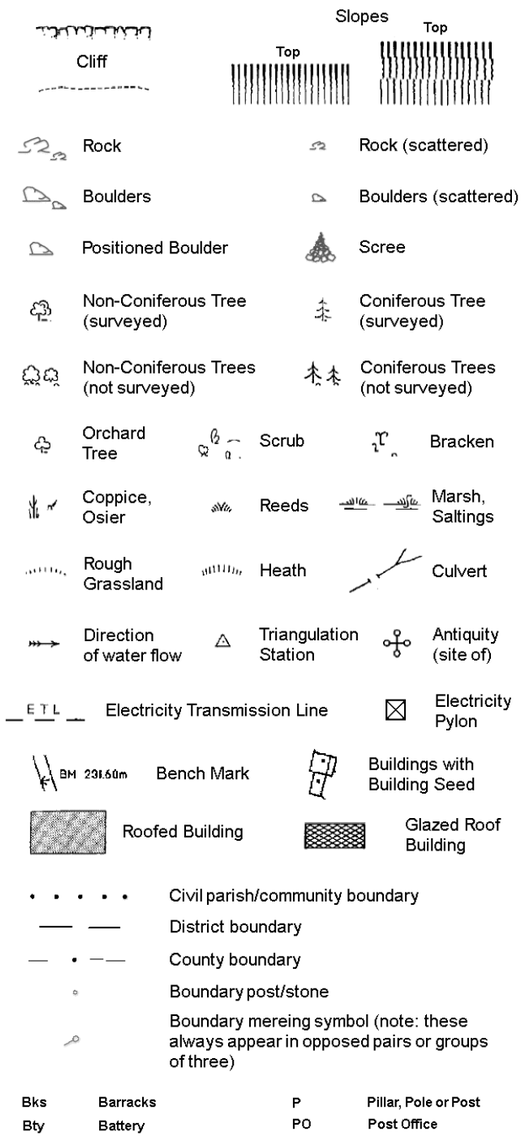
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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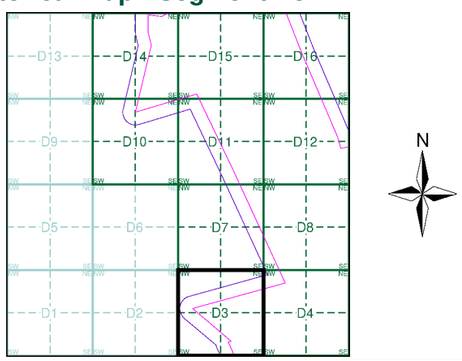
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1887 - 1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment D3



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501730, 355030
Slice: D
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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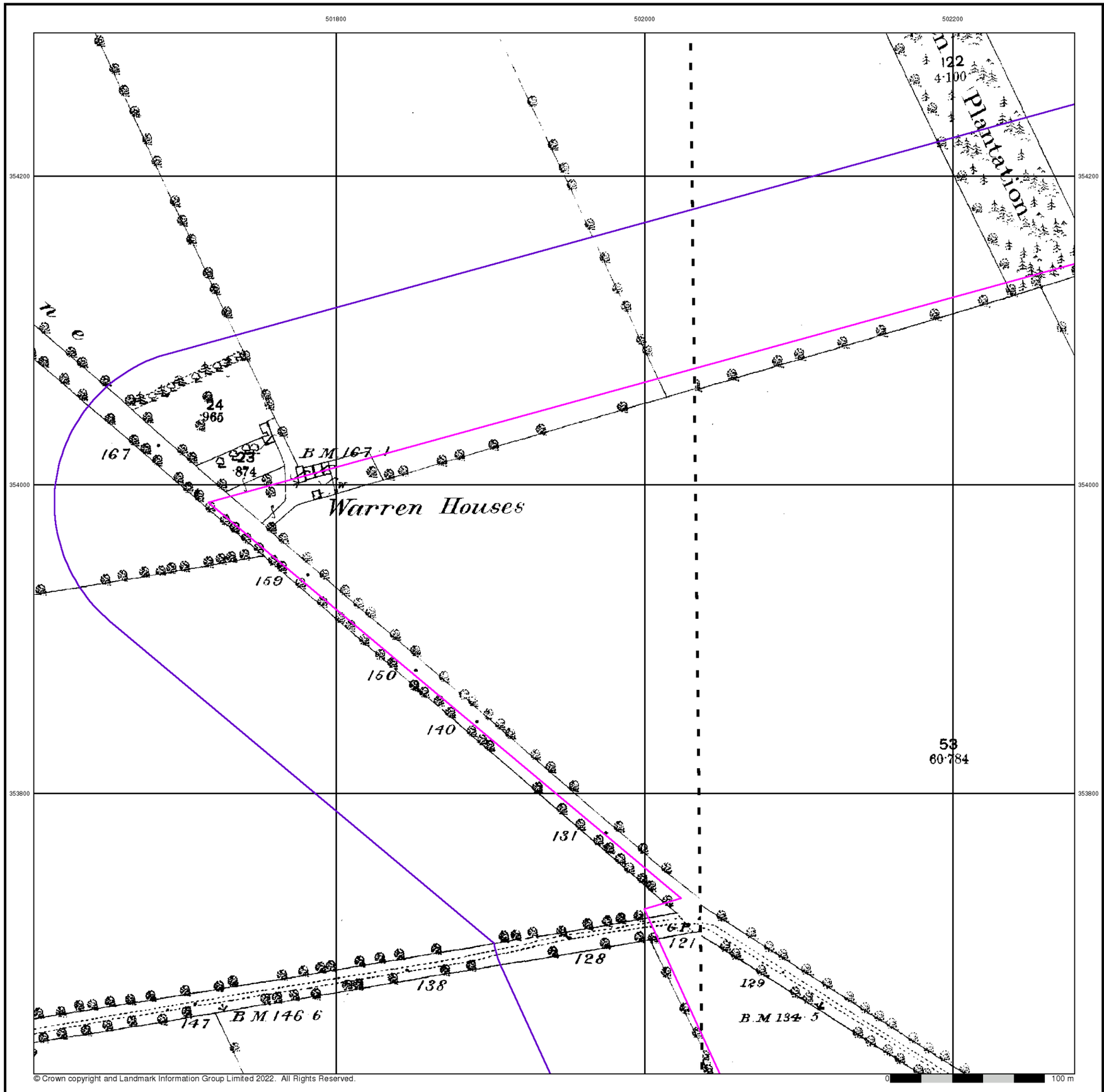
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1887 - 1888

Source map scale - 1:2,500

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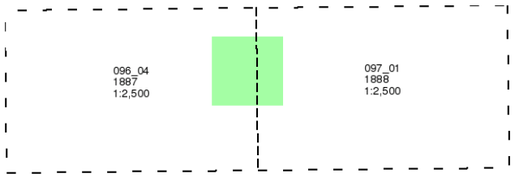
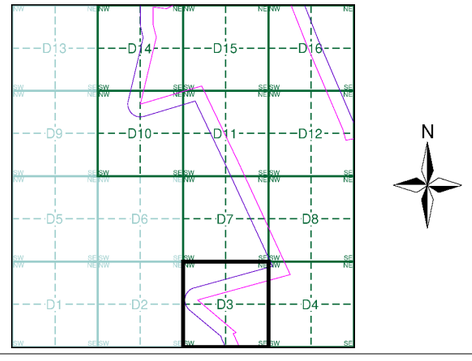


Historical Map - Segment D3



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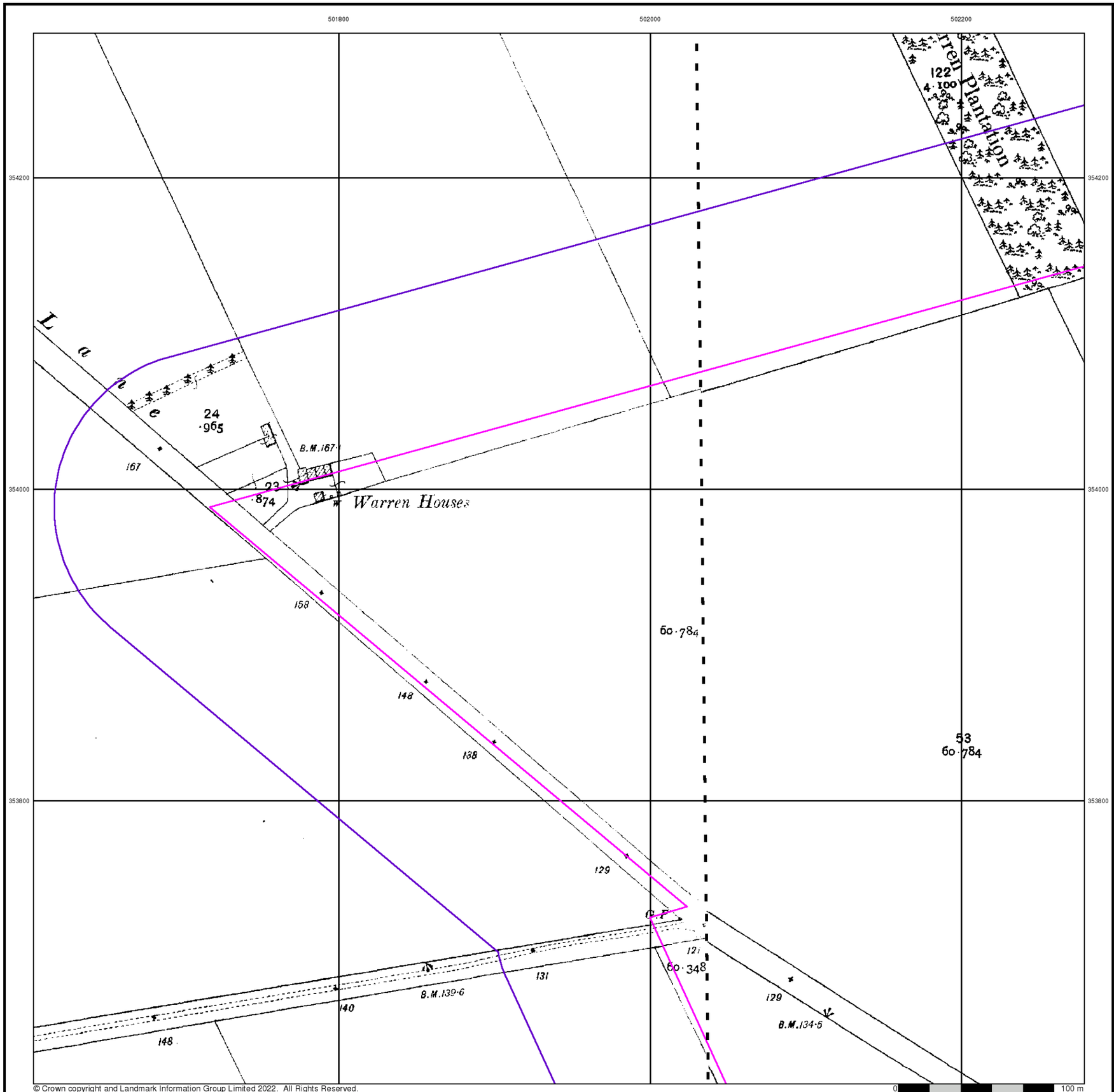

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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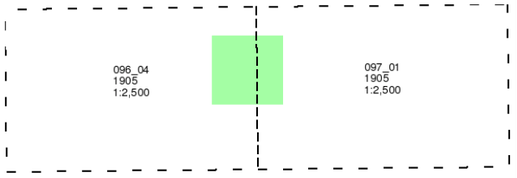
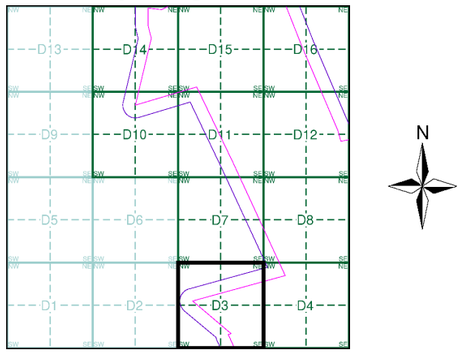


Historical Map - Segment D3



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Site Details

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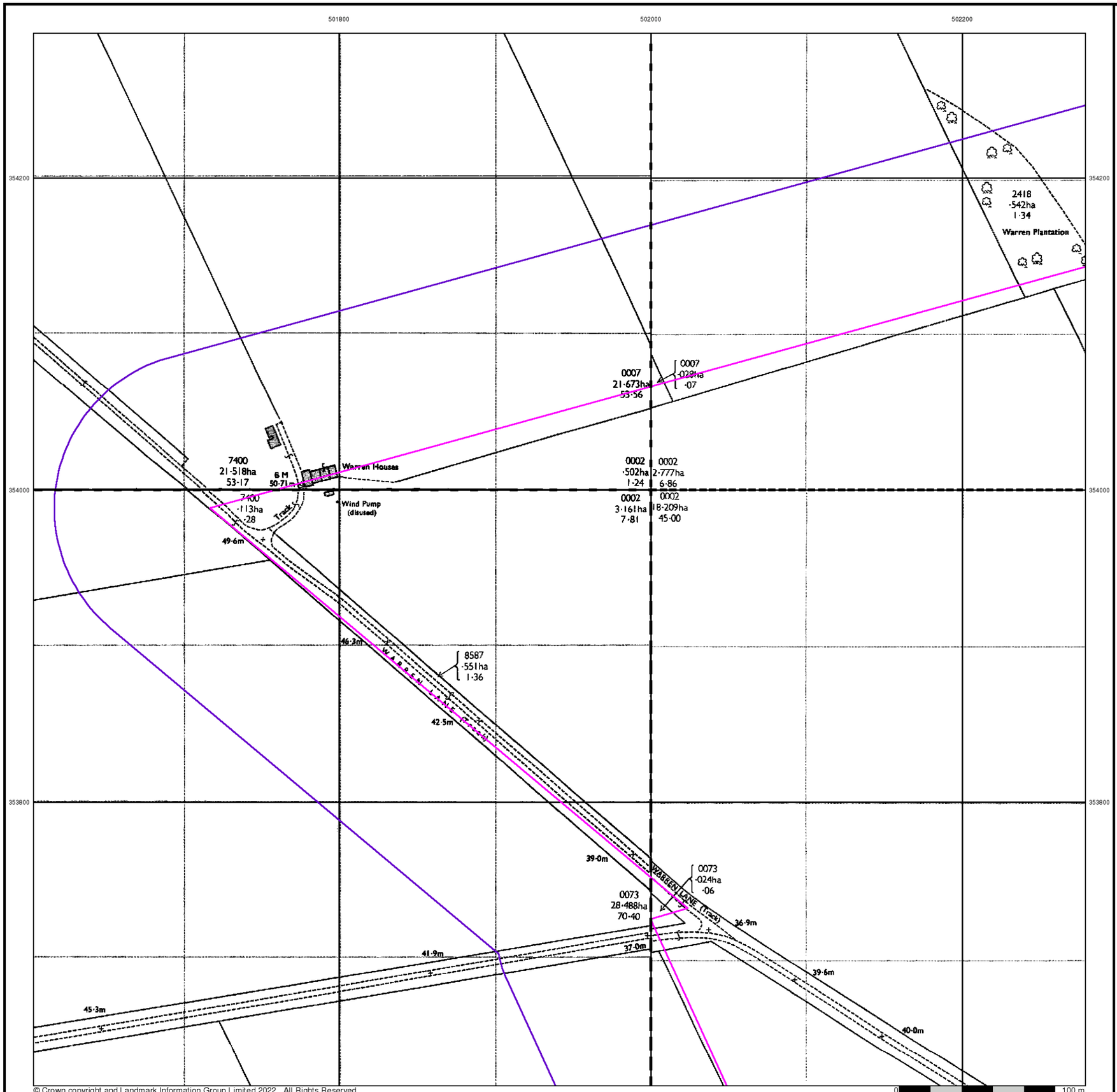

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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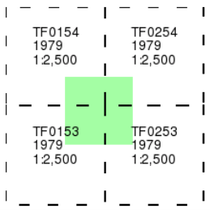
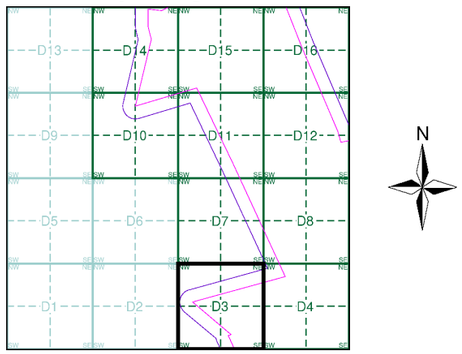


Historical Map - Segment D3



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Site Details

All Areas New

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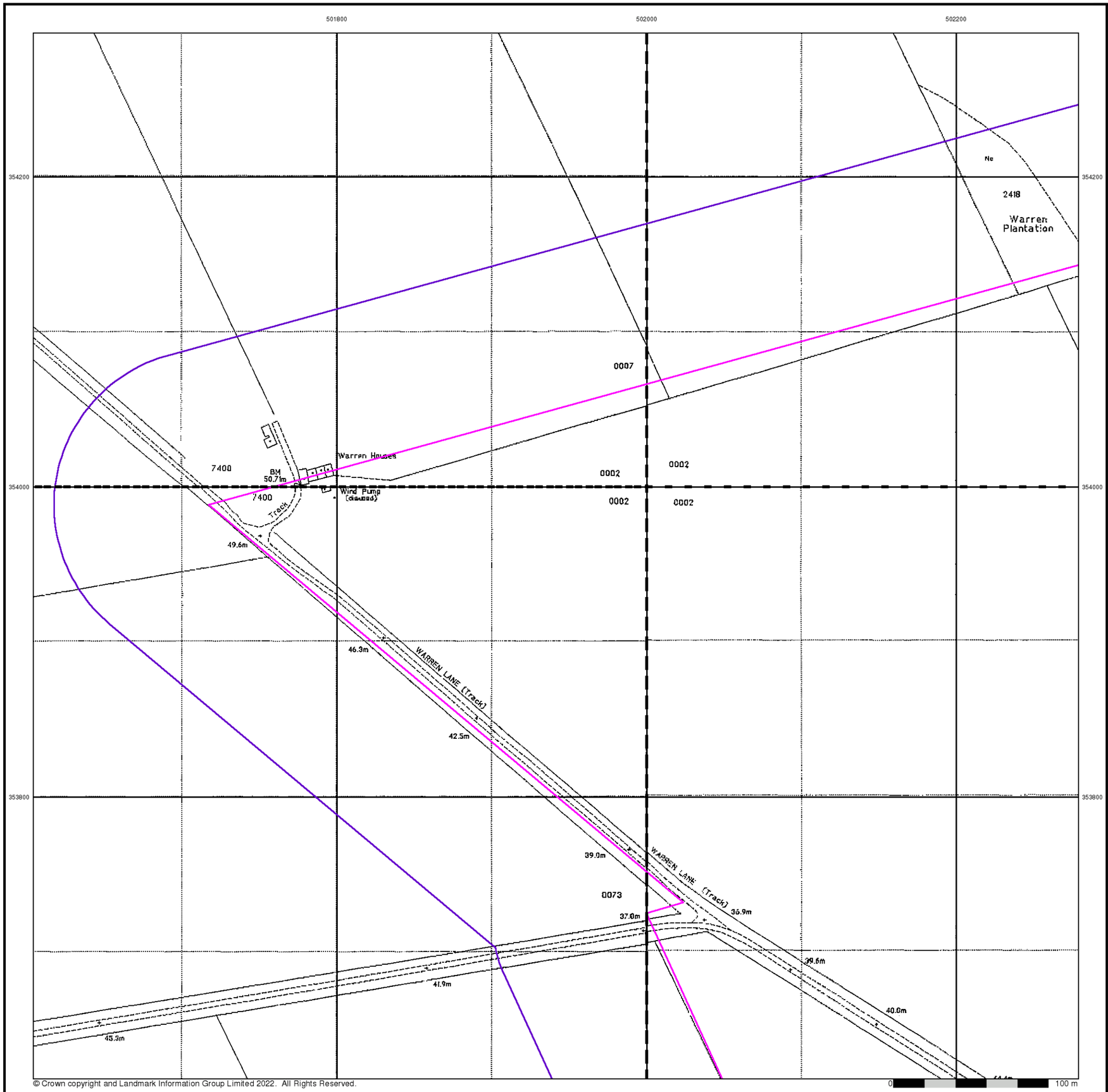

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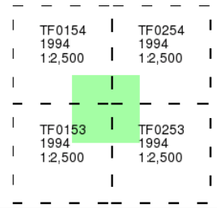
Large-Scale National Grid Data

Published 1994

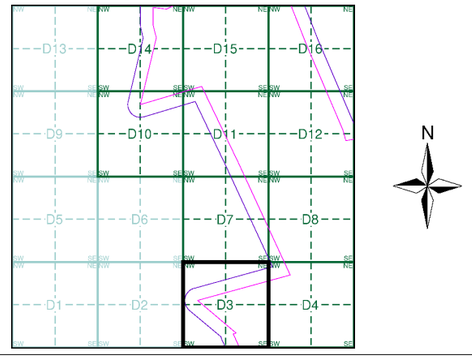
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment D3



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National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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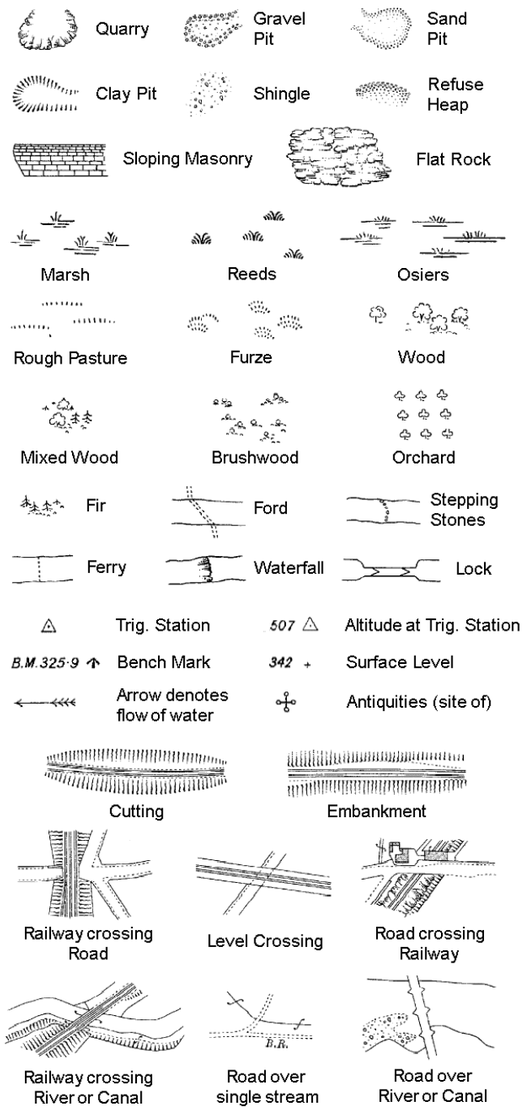
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

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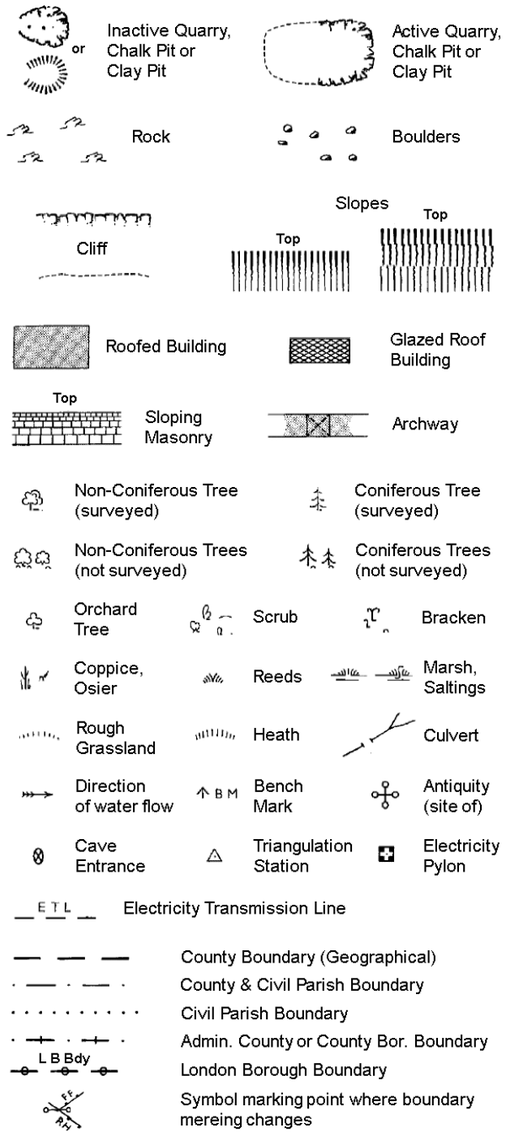
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
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Chy	Chimney	PH	Public House
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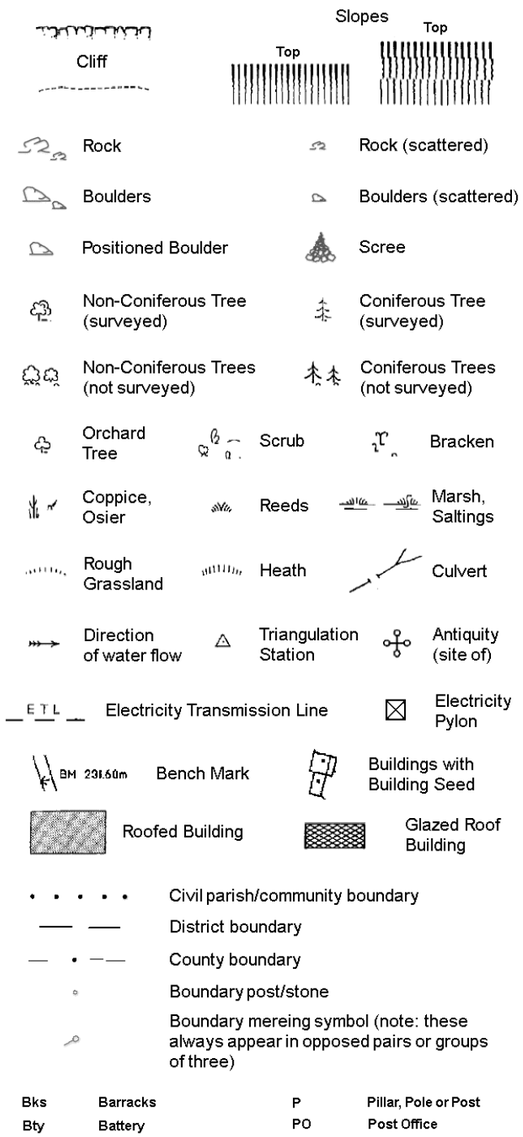
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
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Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
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El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
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Gas Gov	Gas Valve Compound	Tr	Trough
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GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
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MP, MS	Mile Post or Mile Stone	W	Well

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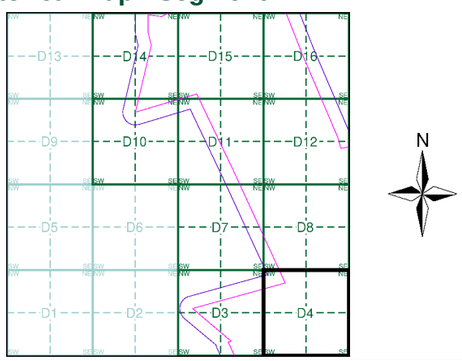
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment D4



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501730, 355030
Slice: D
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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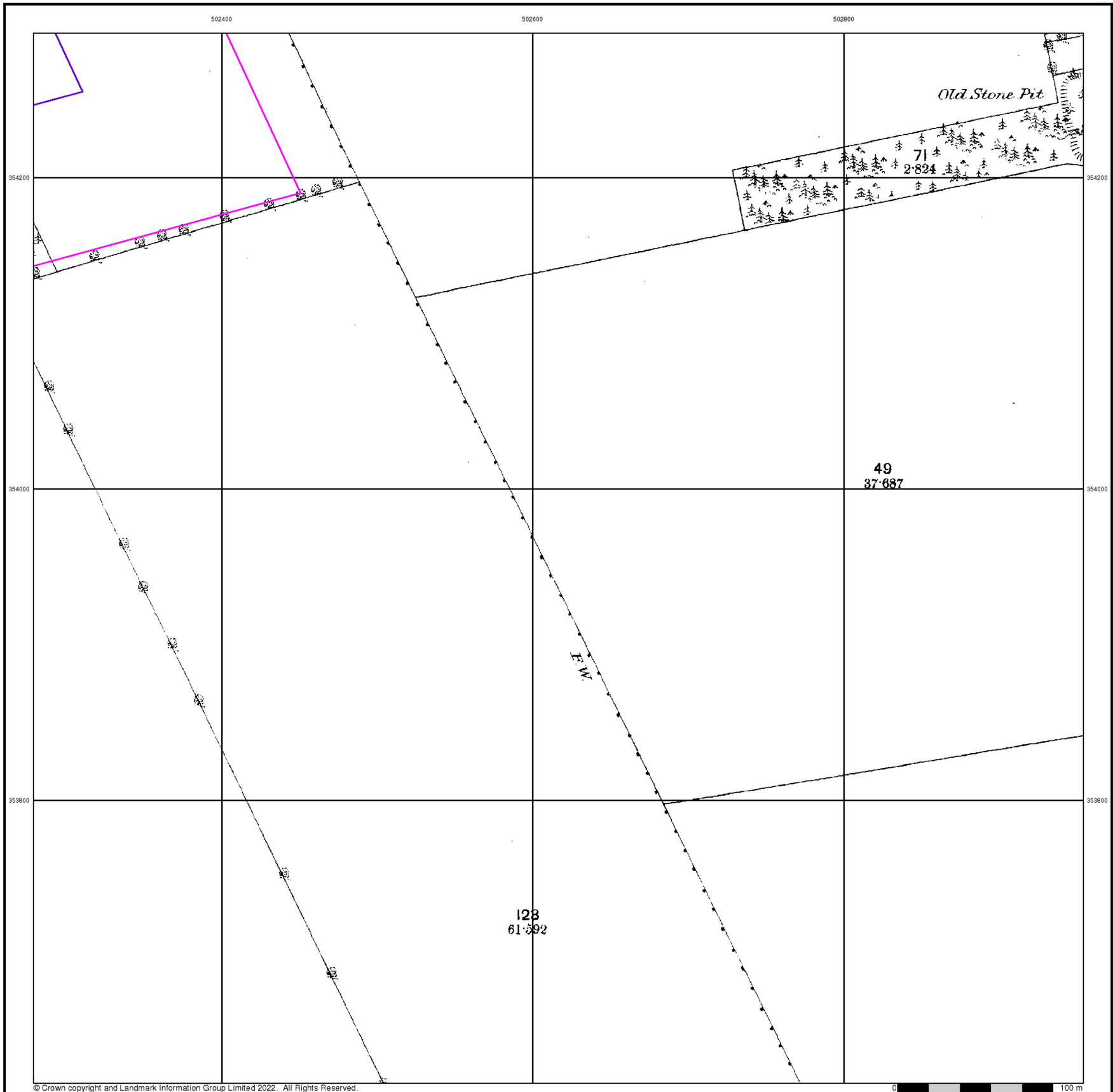

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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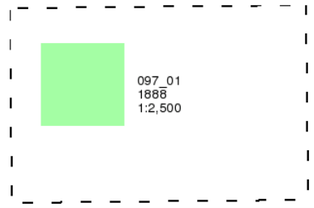
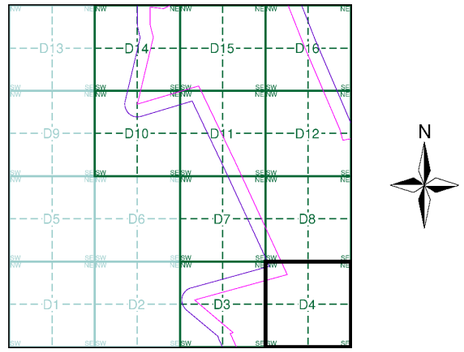
Map Name(s) and Date(s)



Historical Map - Segment D4



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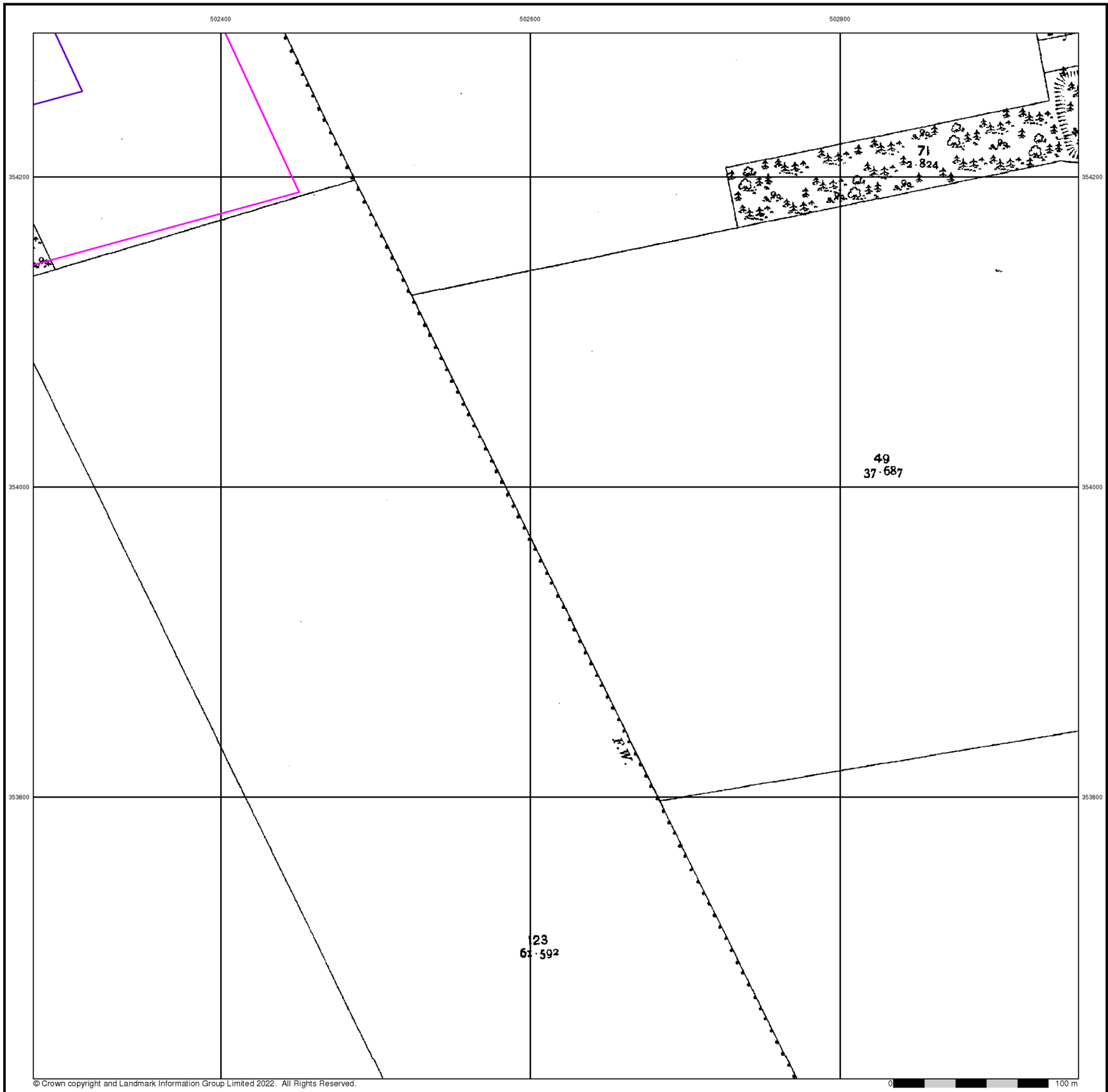

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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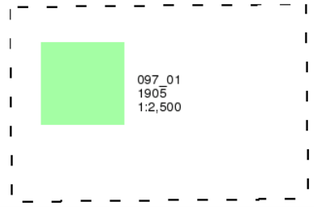
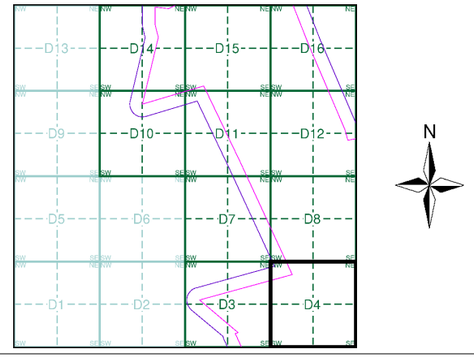


Historical Map - Segment D4



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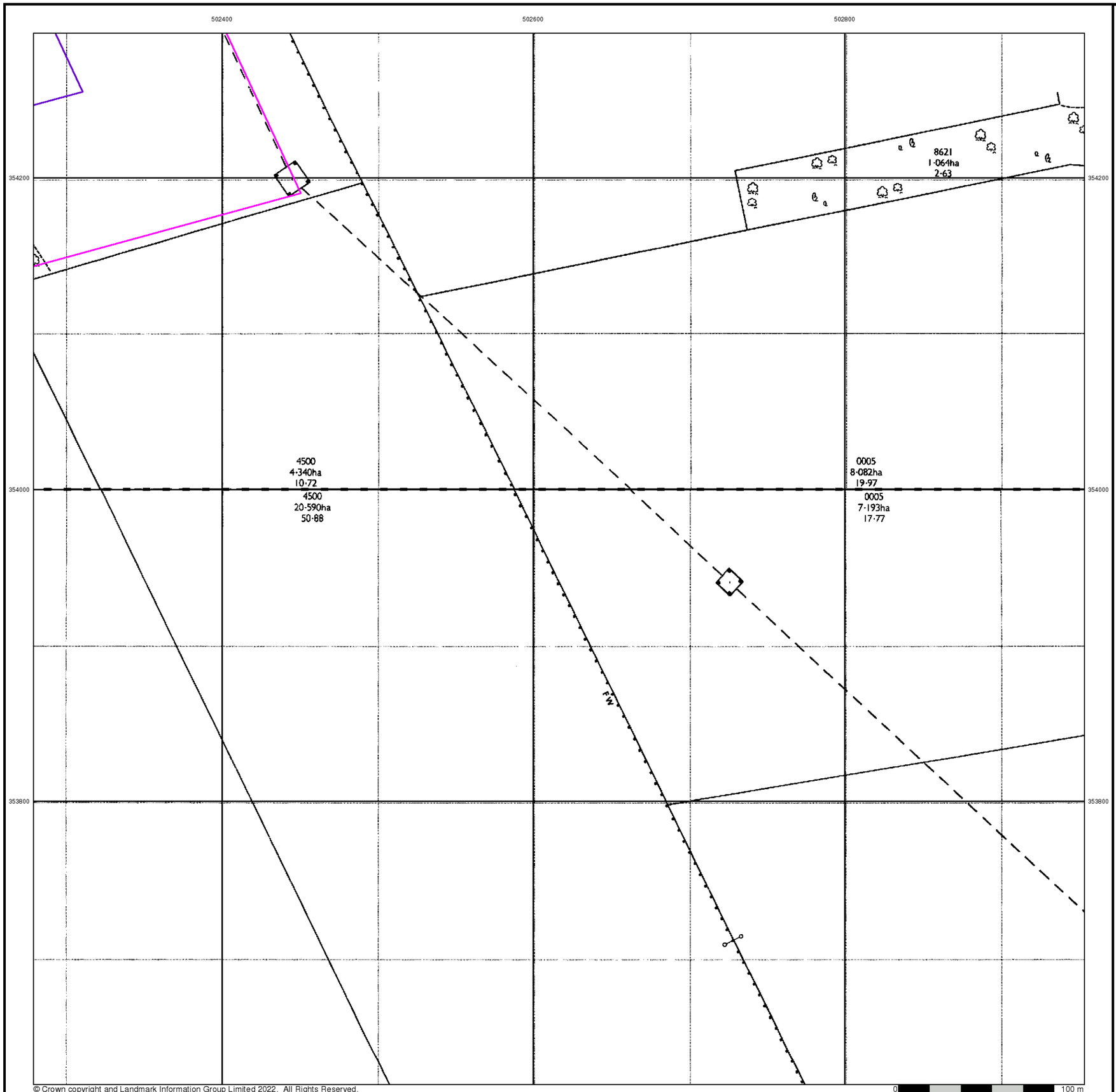

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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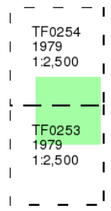
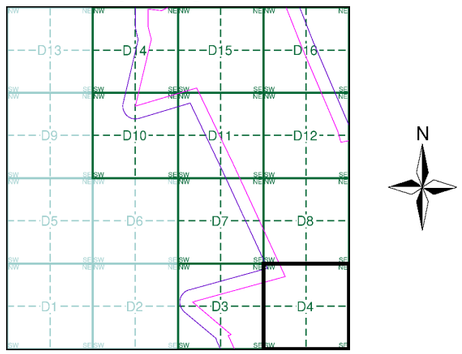


Historical Map - Segment D4



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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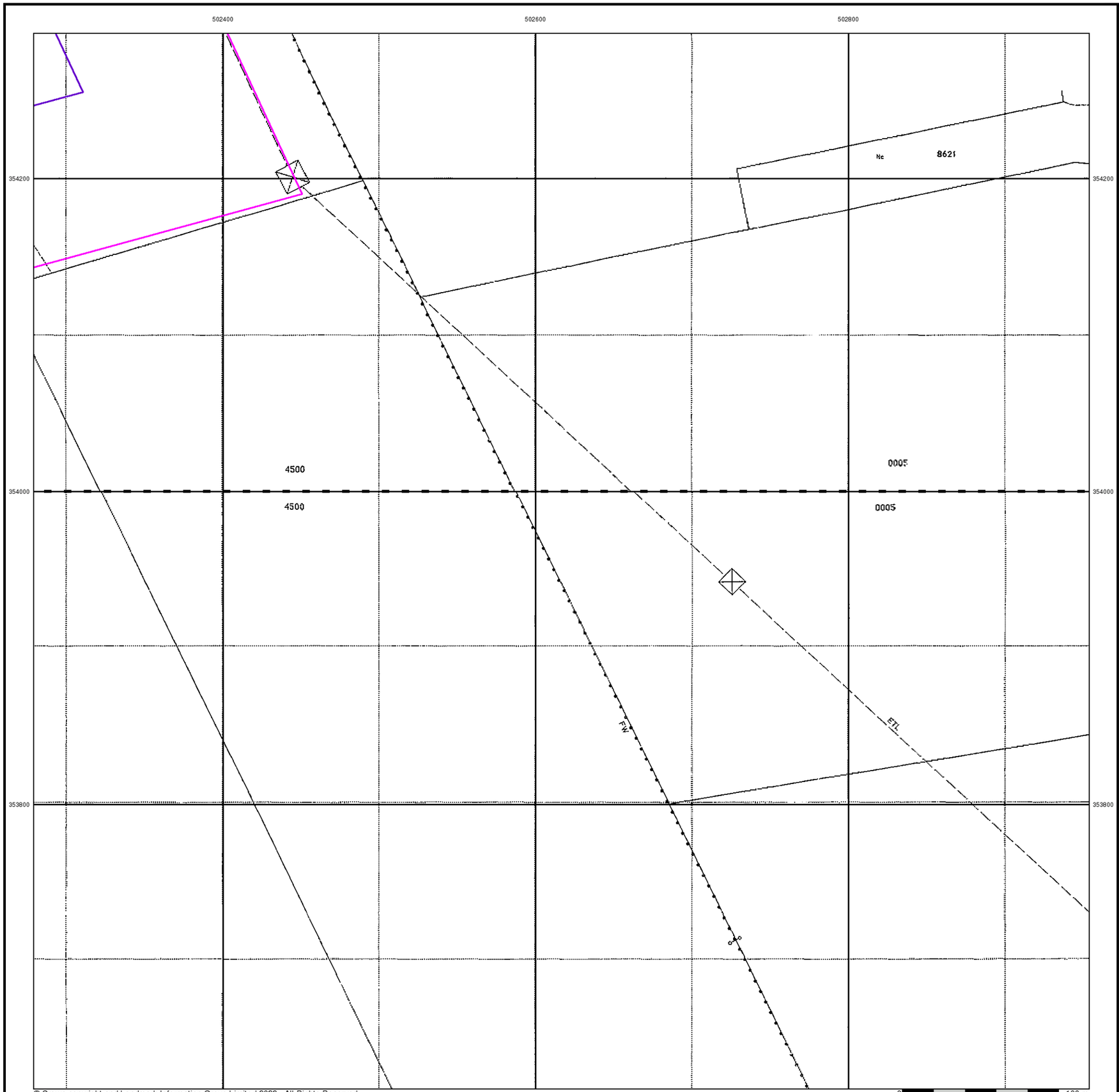
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

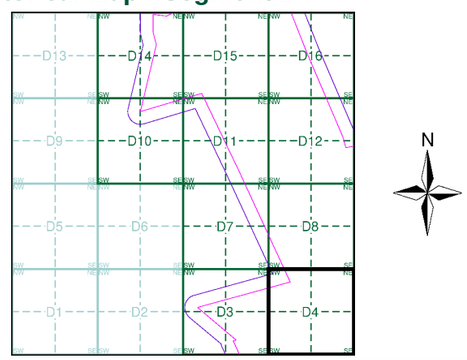
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TF0254
1994
1:2,500

TF0253
1994
1:2,500

Historical Map - Segment D4



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP

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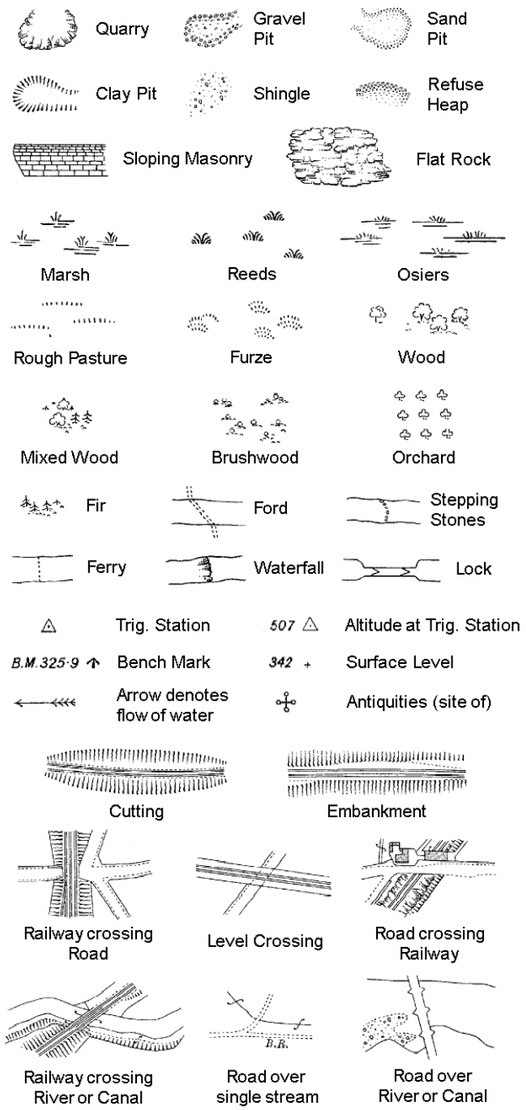
Web: www.envirocheck.co.uk

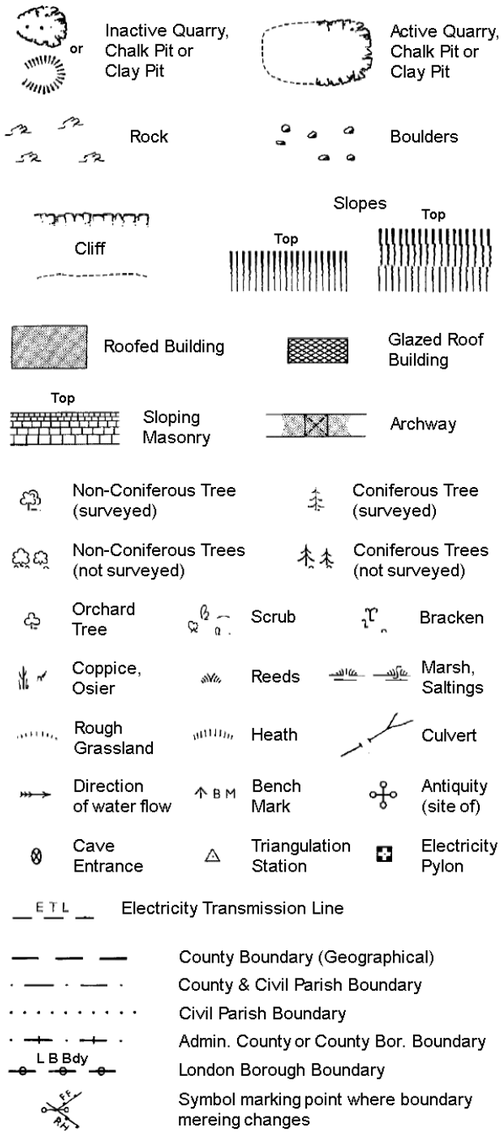
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



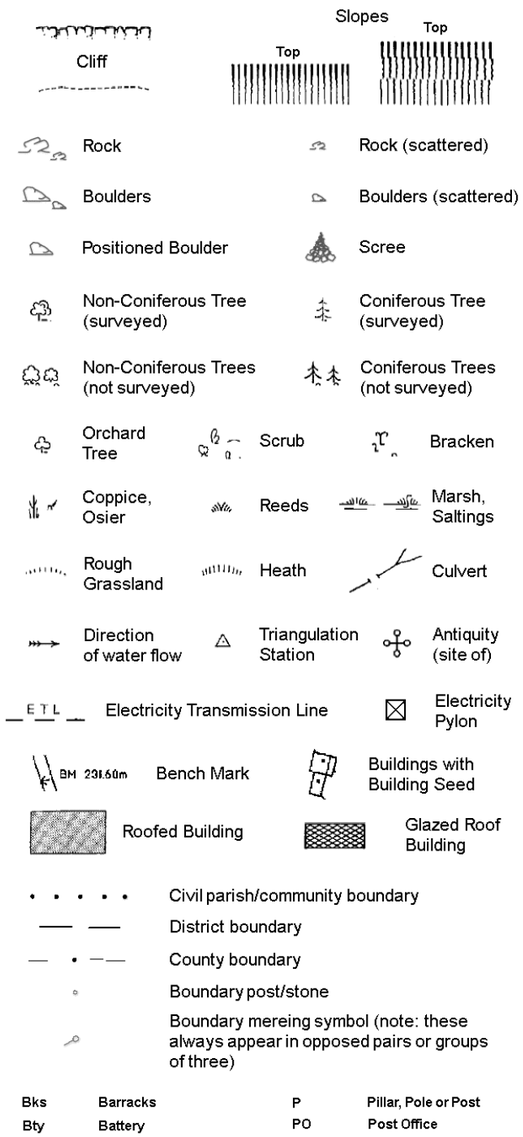
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



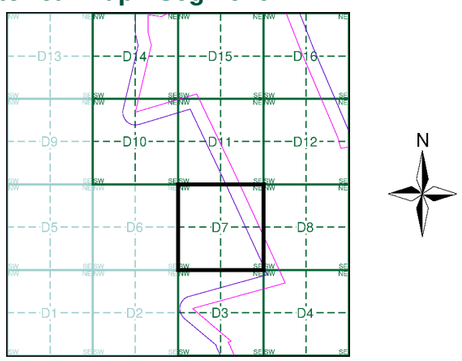
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1887 - 1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment D7



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501730, 355030
Slice: D
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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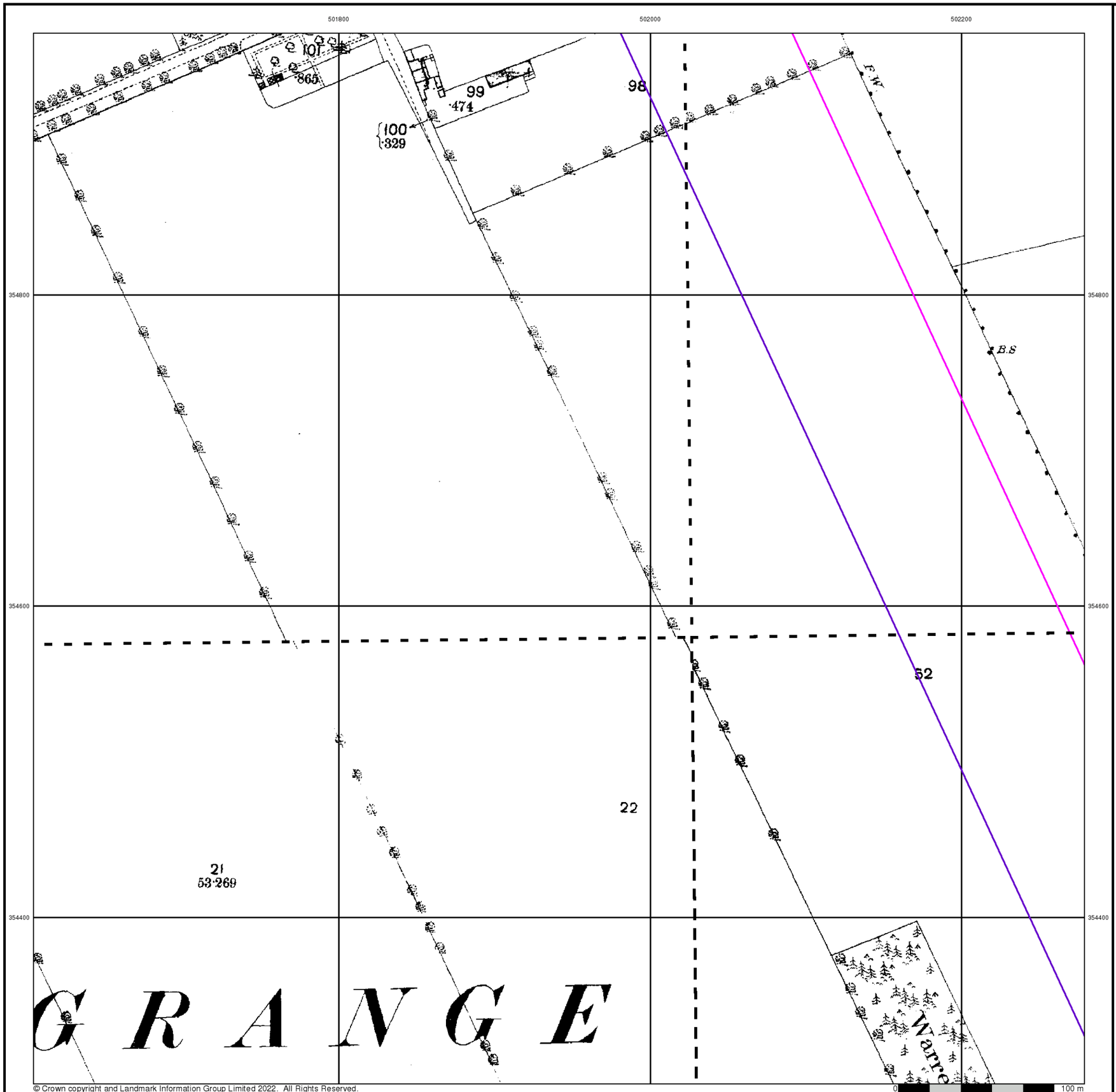
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1887 - 1888

Source map scale - 1:2,500

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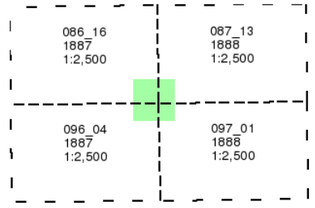
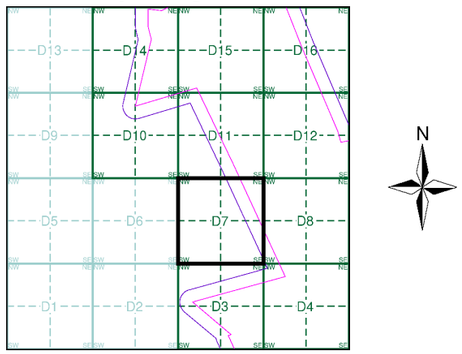
Map Name(s) and Date(s)



Historical Map - Segment D7



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Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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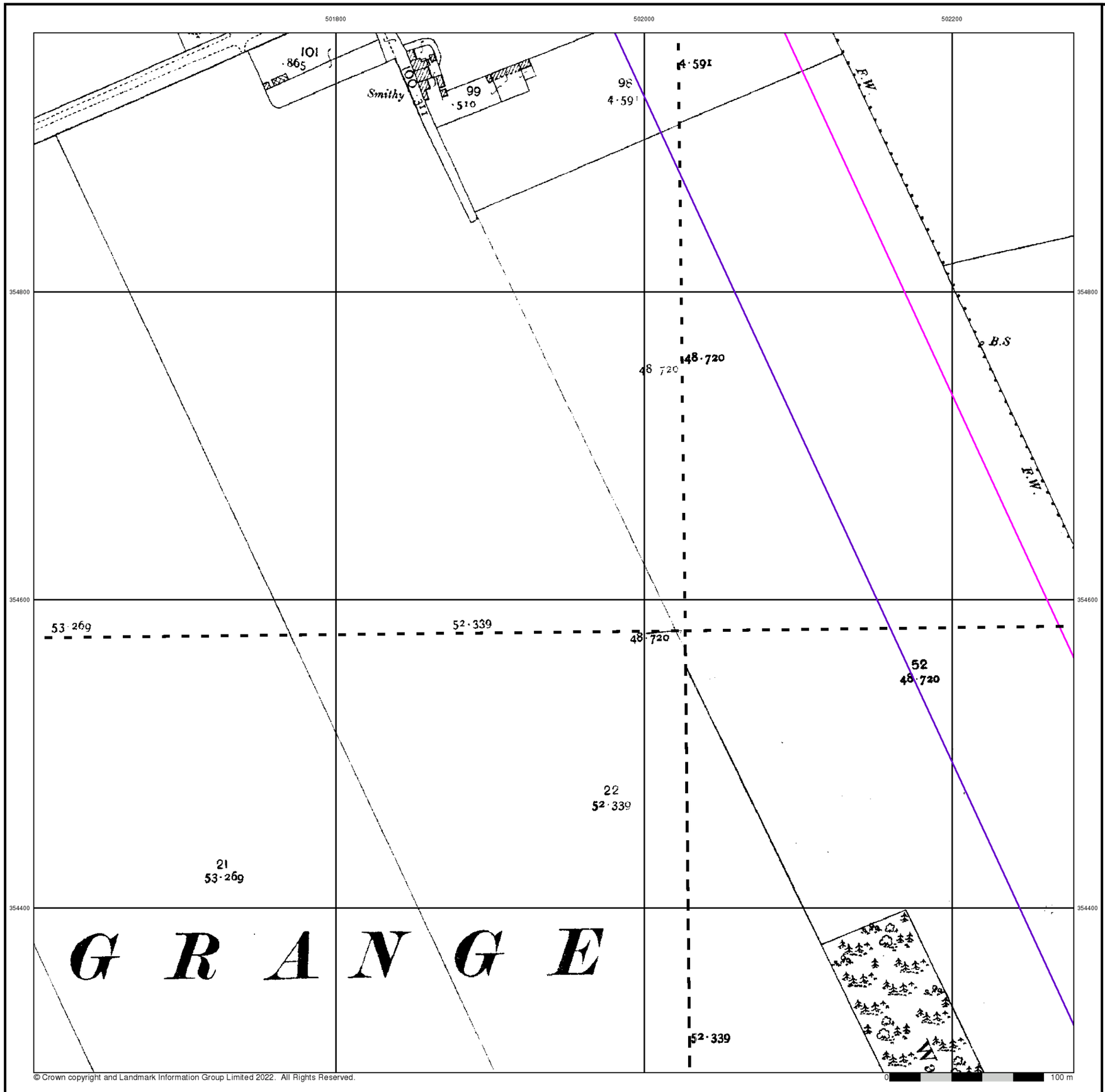

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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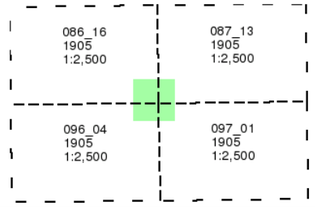
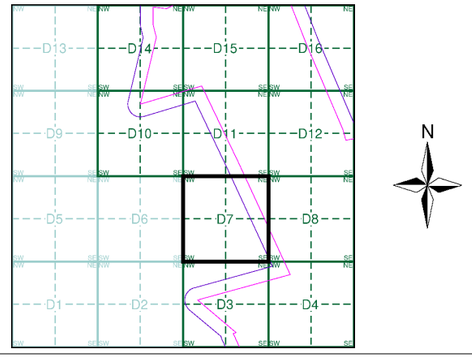
Map Name(s) and Date(s)



Historical Map - Segment D7



Order Details

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Slice:	D
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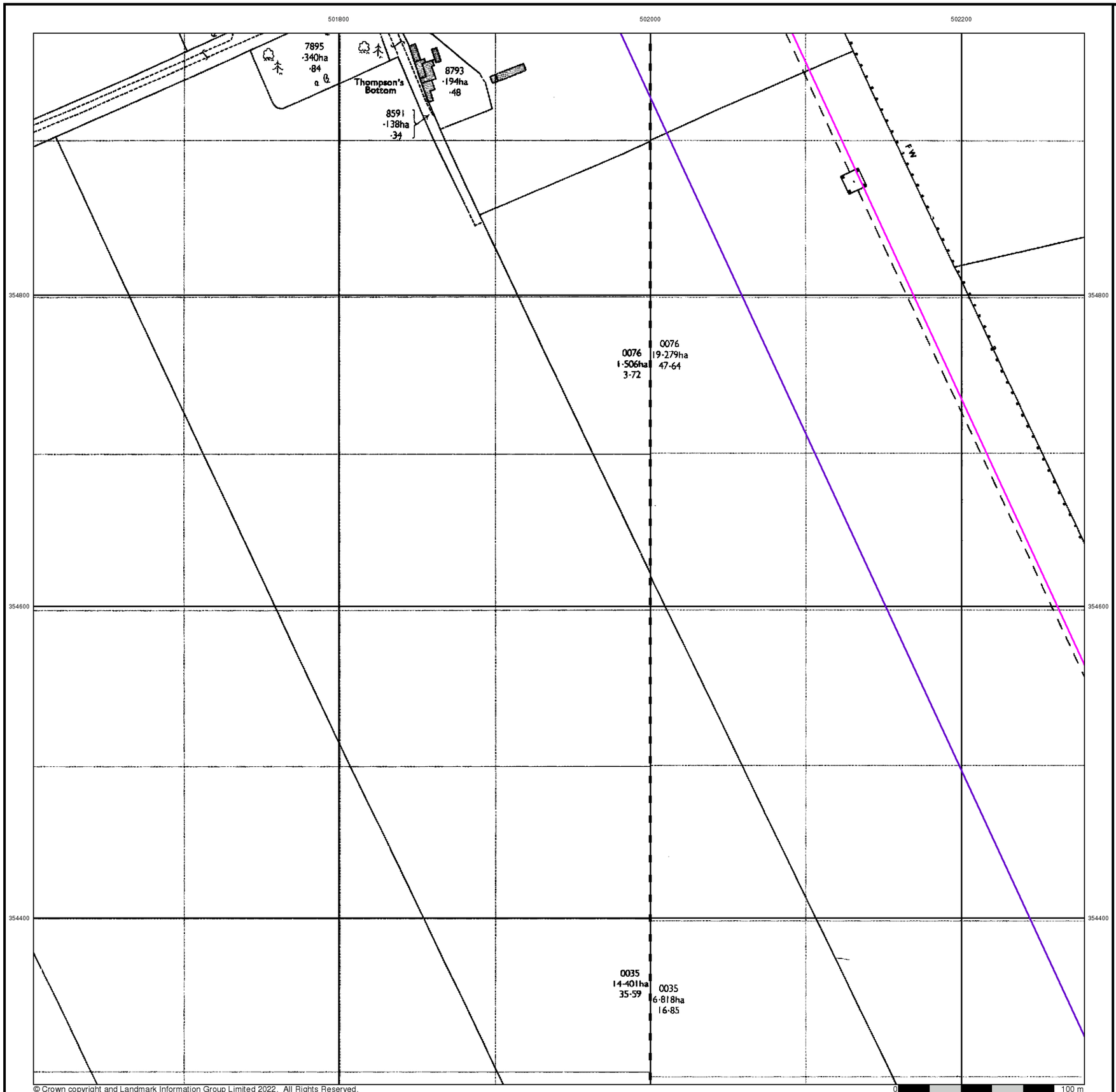

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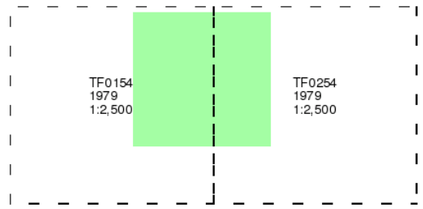
Ordnance Survey Plan

Published 1979

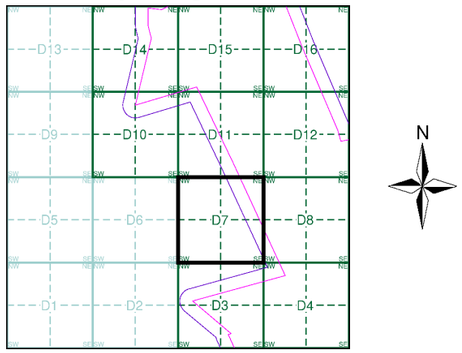
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment D7



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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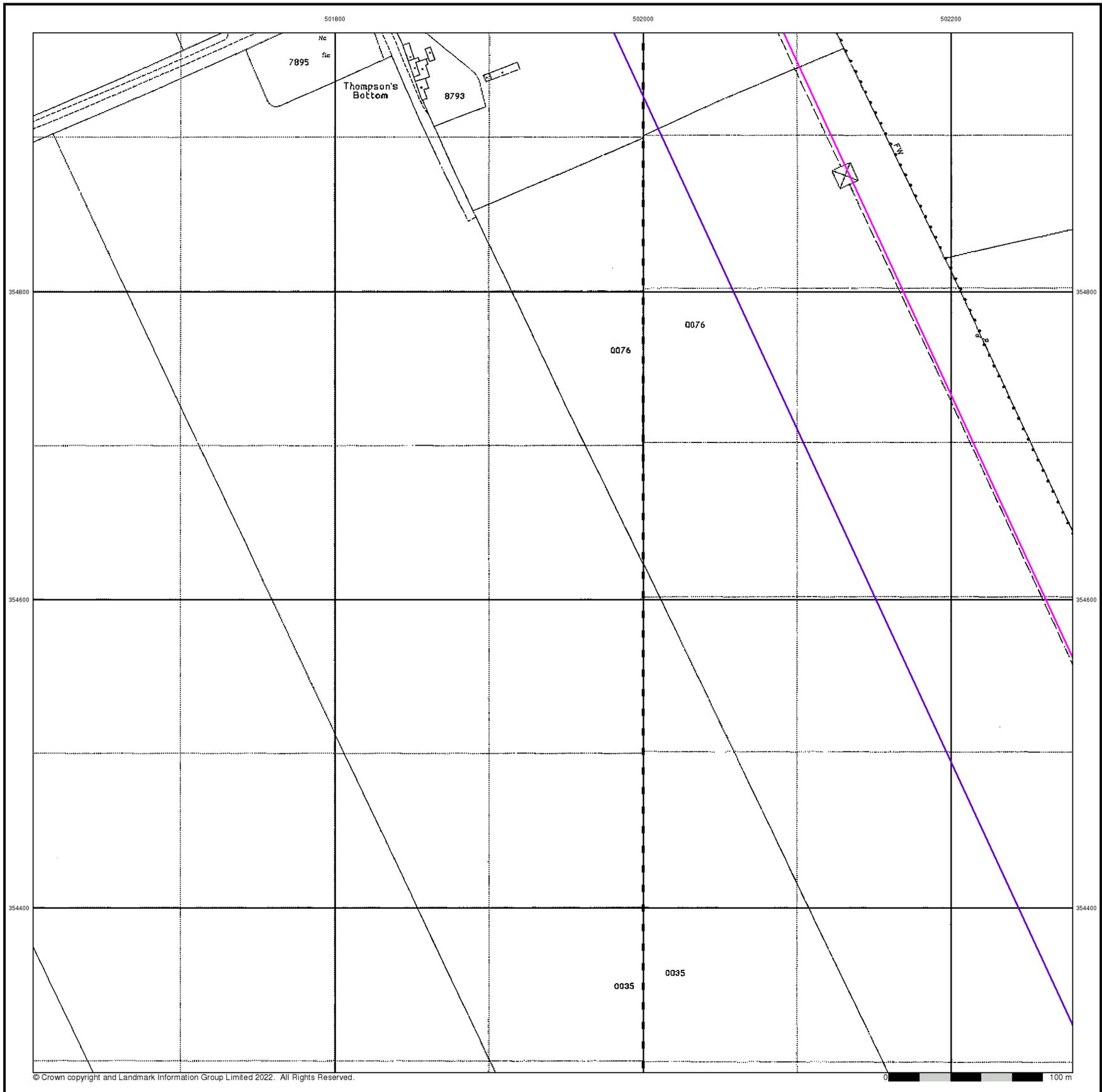
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

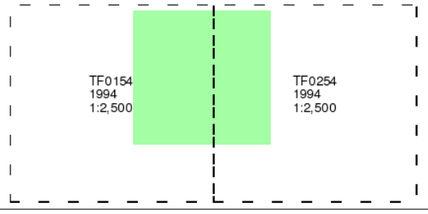
Large-Scale National Grid Data

Published 1994

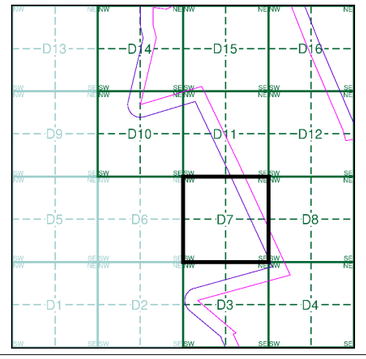
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment D7



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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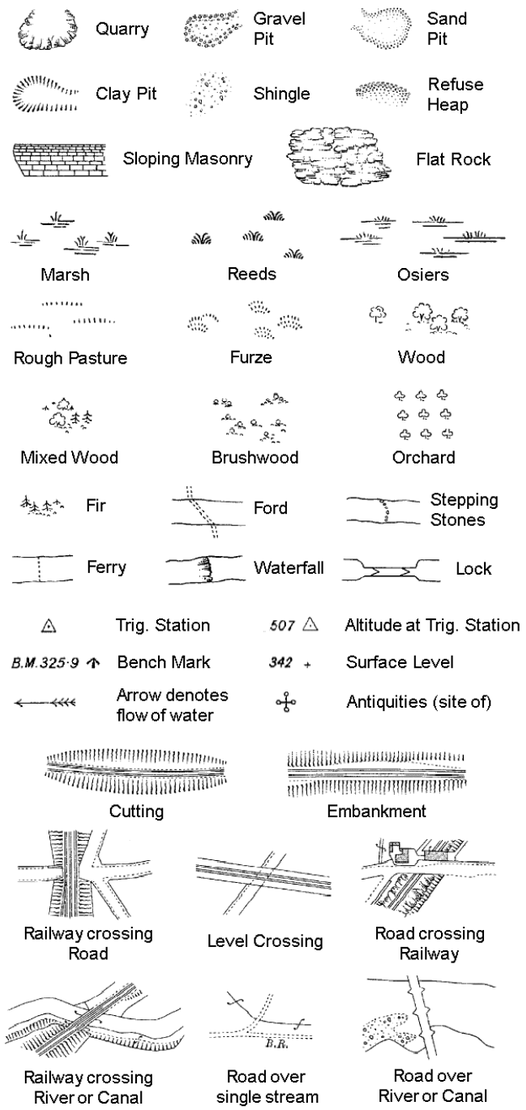
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

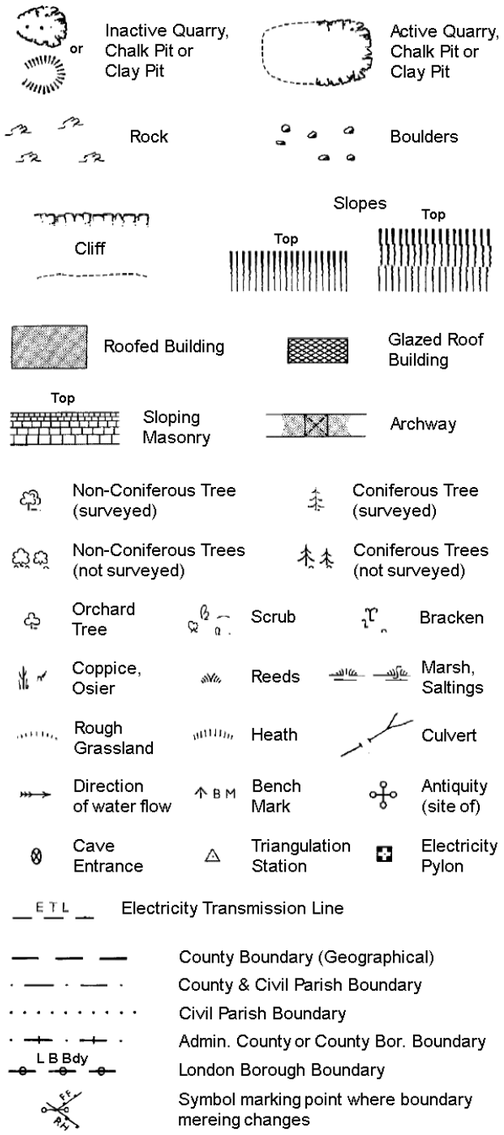
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

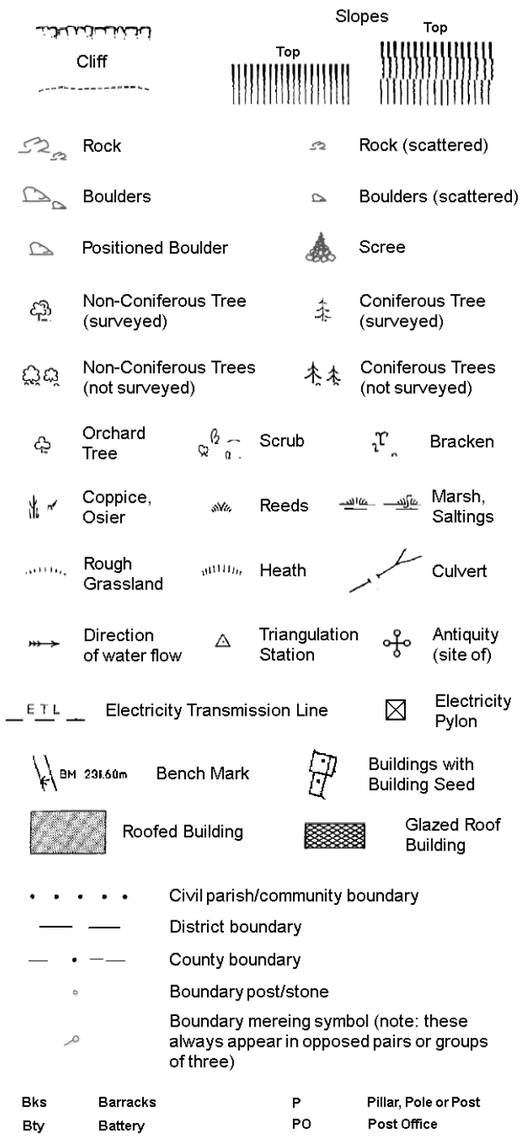
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

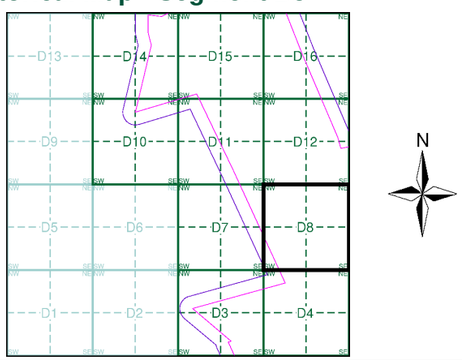
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment D8



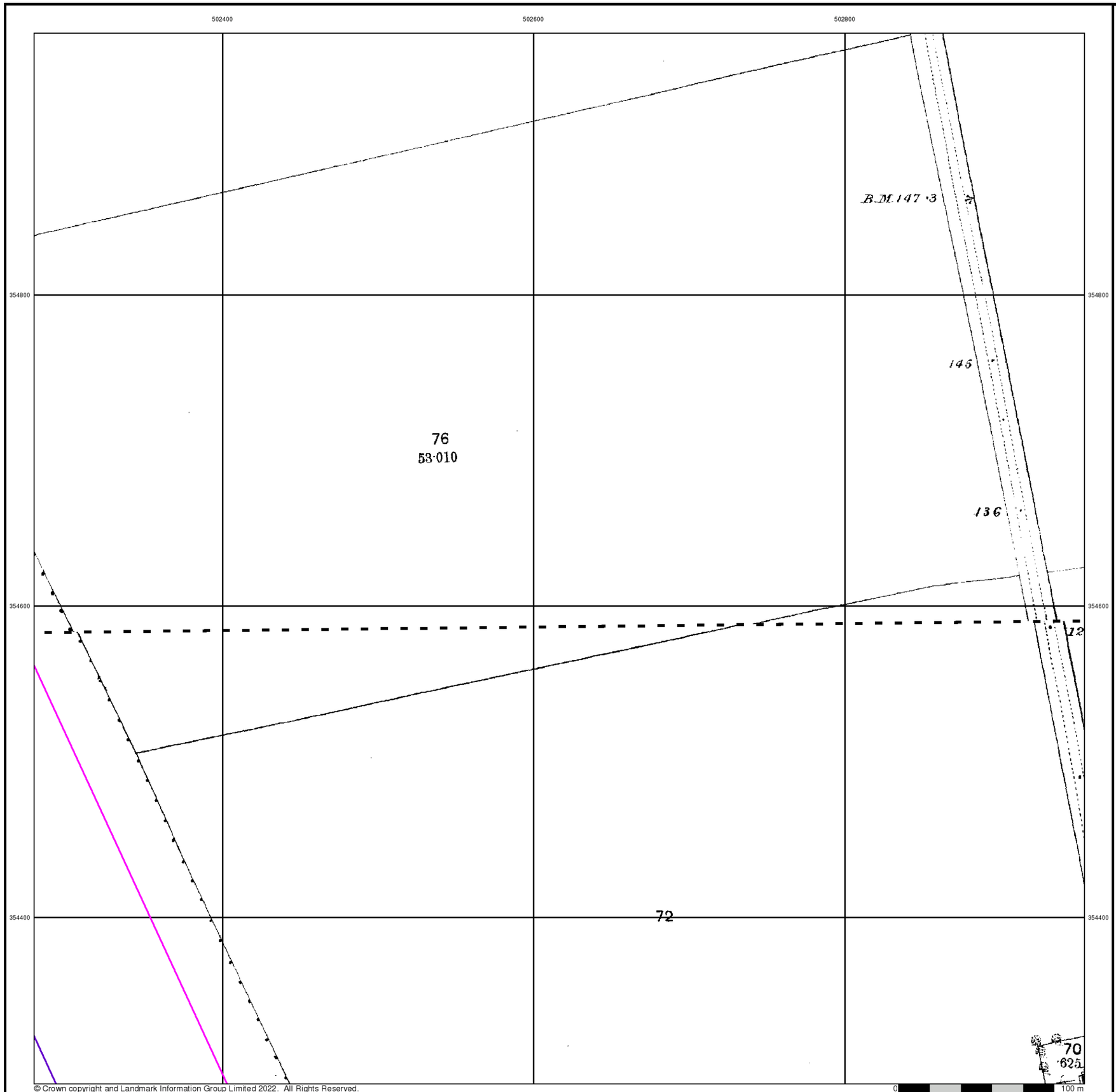
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501730, 355030
Slice: D
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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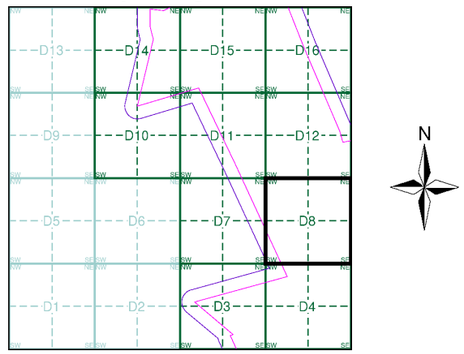
Map Name(s) and Date(s)

087_13
1888
1:2,500

097_01
1888
1:2,500

Historical Map - Segment D8



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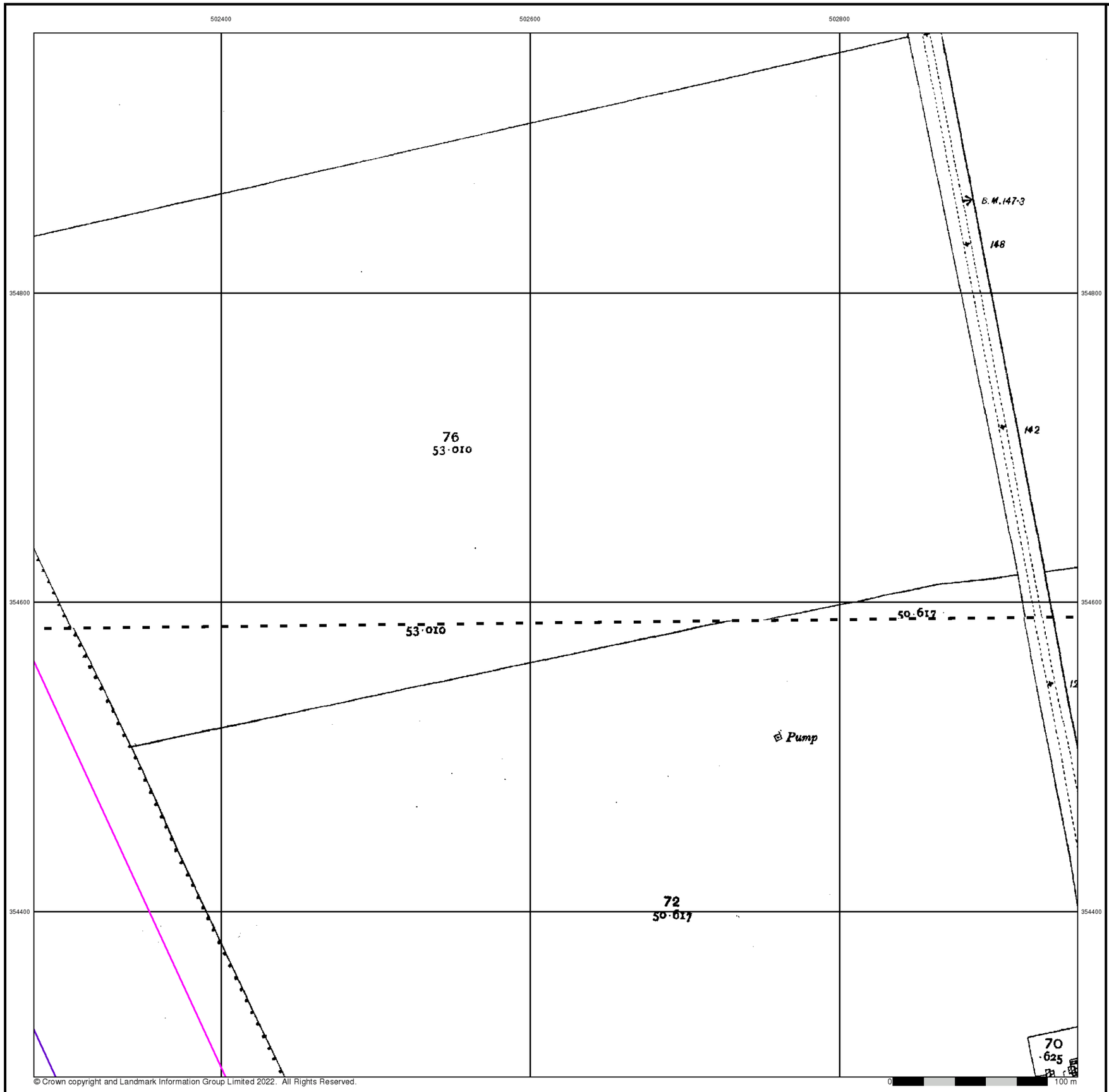

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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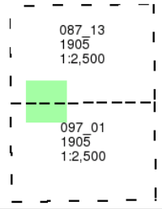
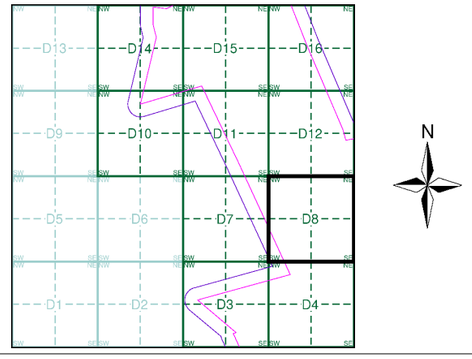
Map Name(s) and Date(s)



Historical Map - Segment D8



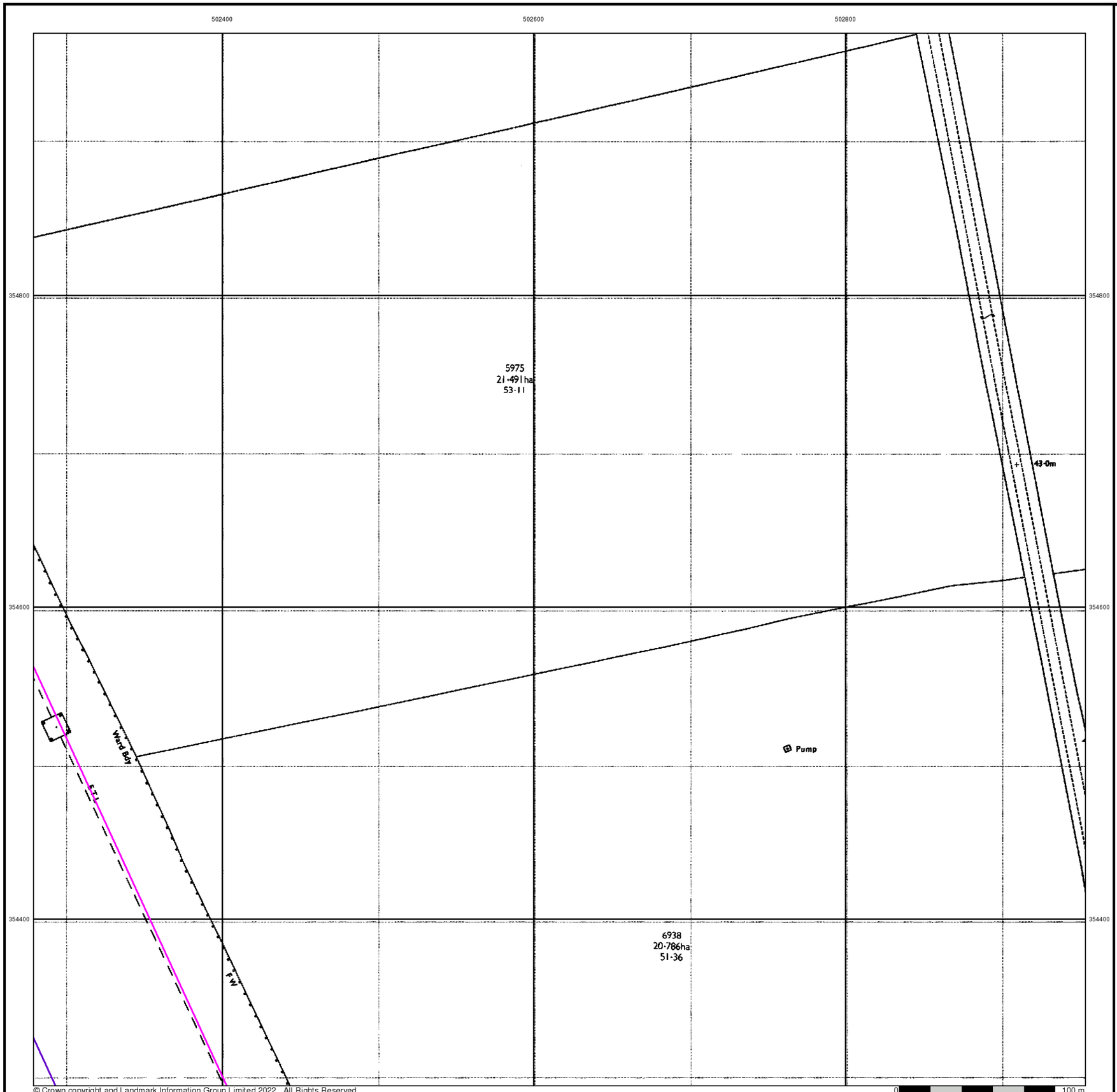
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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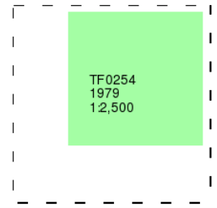
Ordnance Survey Plan

Published 1979

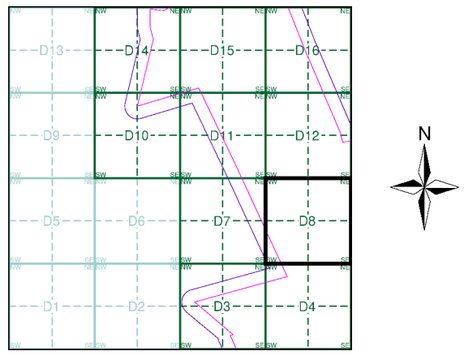
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment D8



Order Details

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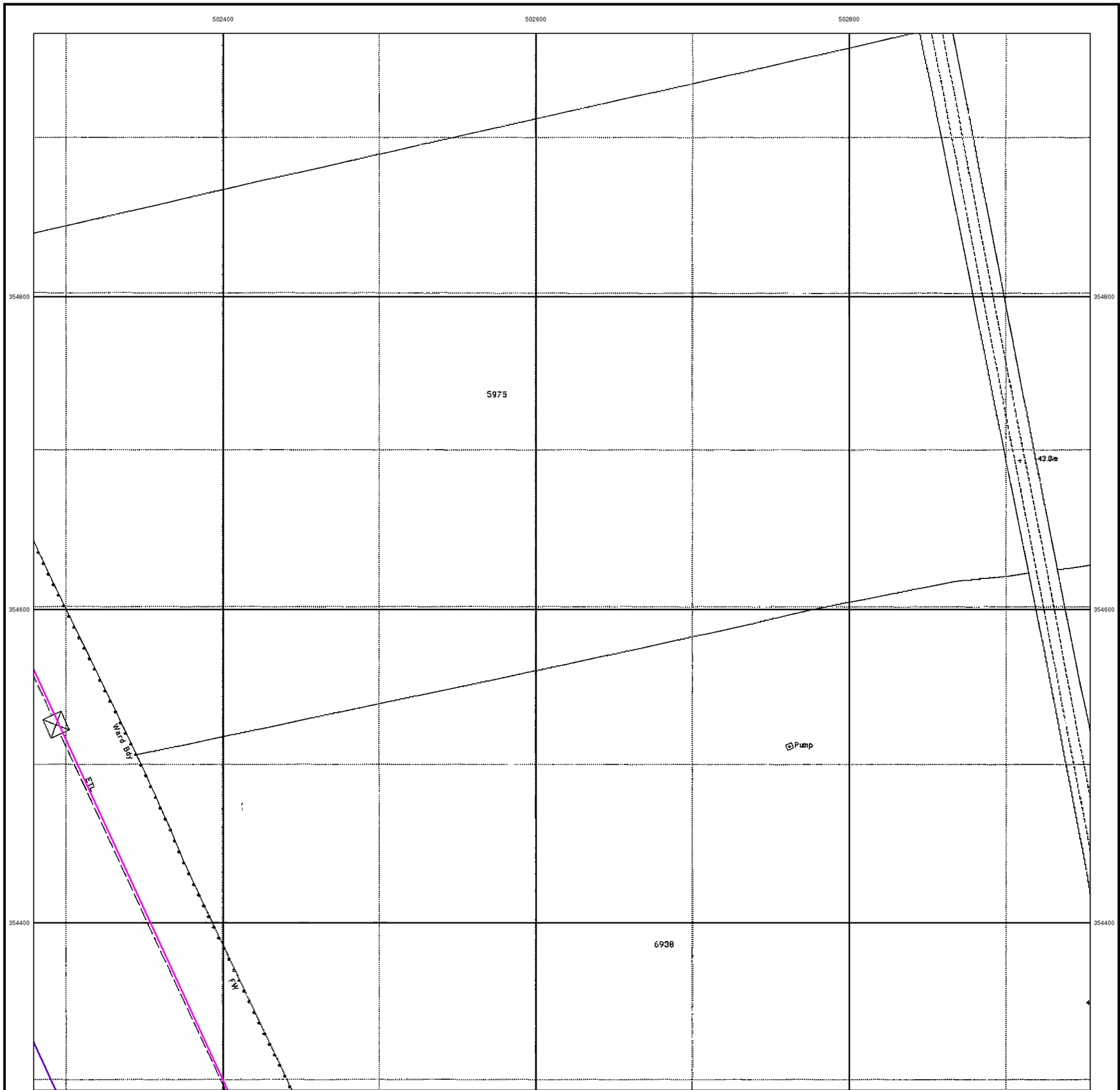


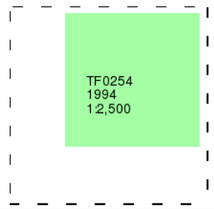
Large-Scale National Grid Data

Published 1994

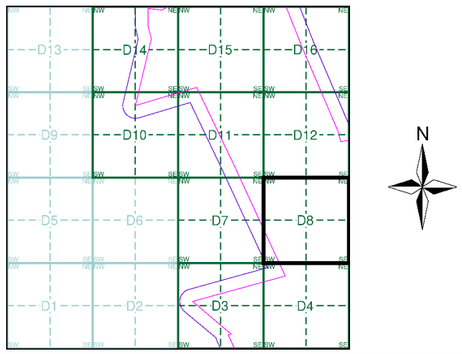
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment D8



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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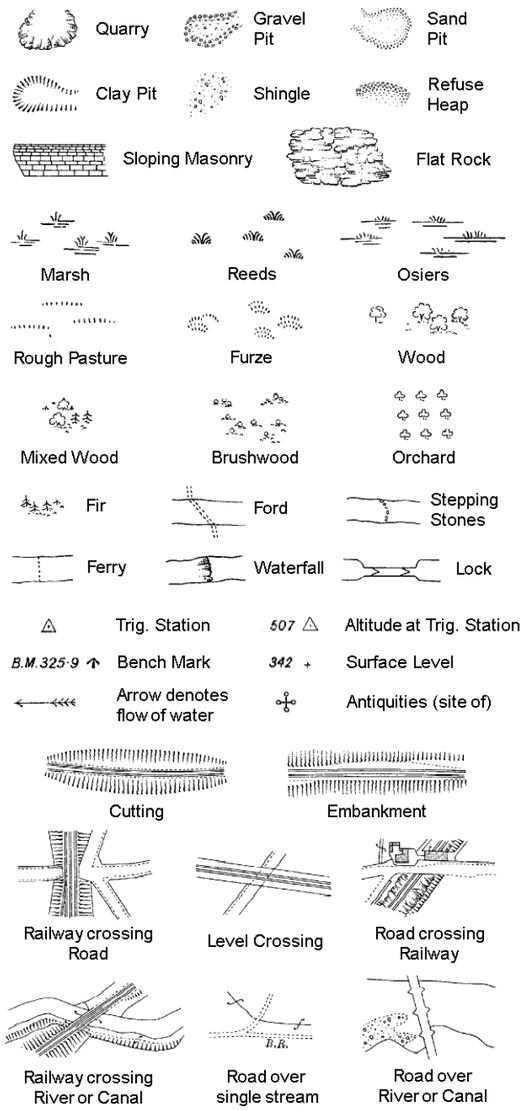
Historical Mapping Legends

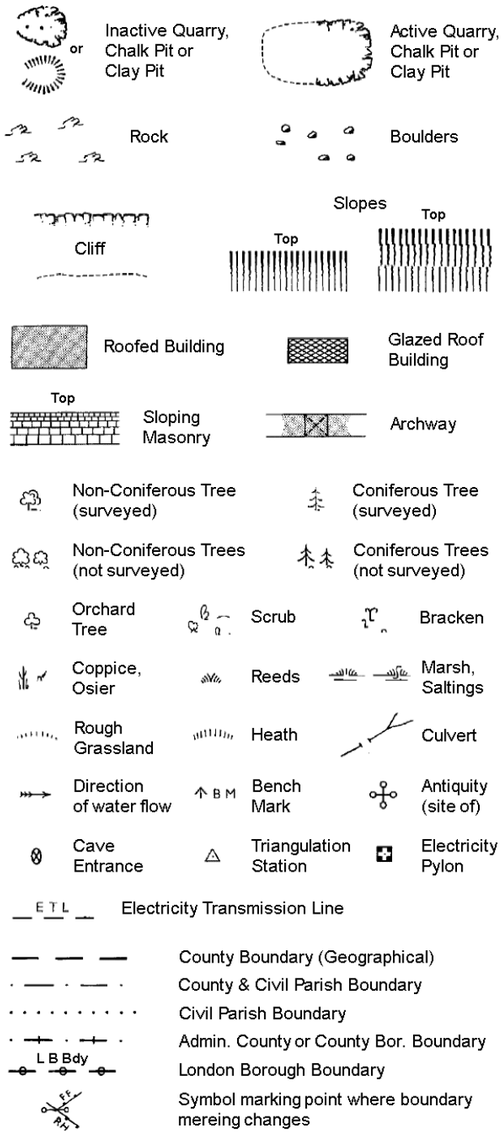
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B.P B.S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

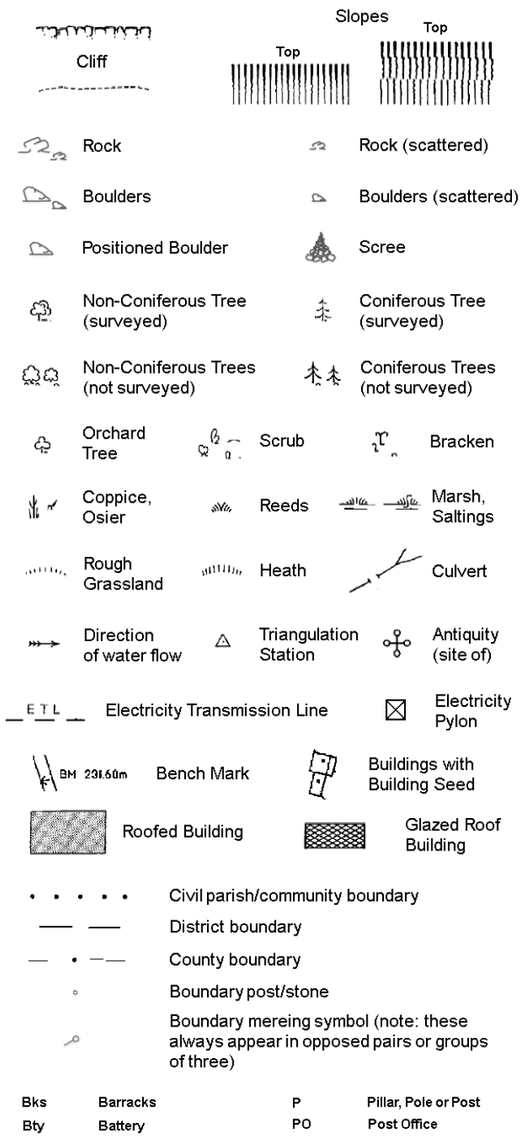
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

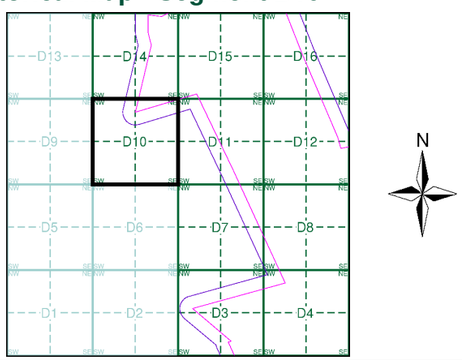
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1887	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment D10



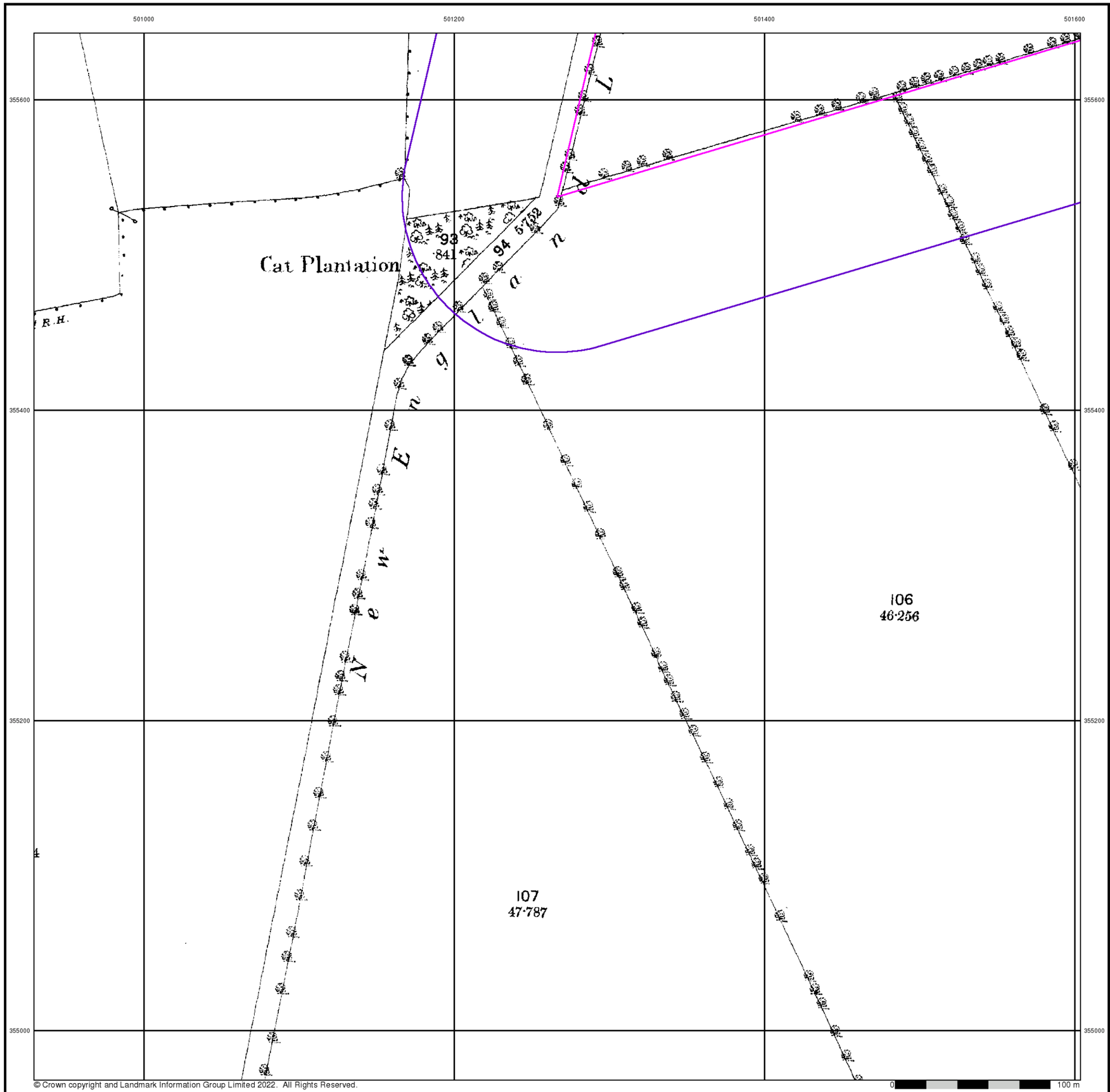
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501730, 355030
Slice: D
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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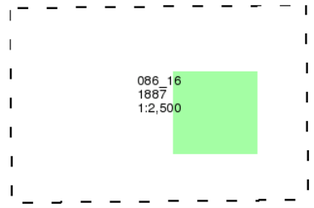
Lincolnshire

Published 1887

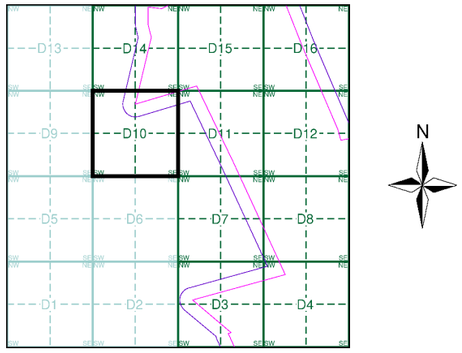
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment D10



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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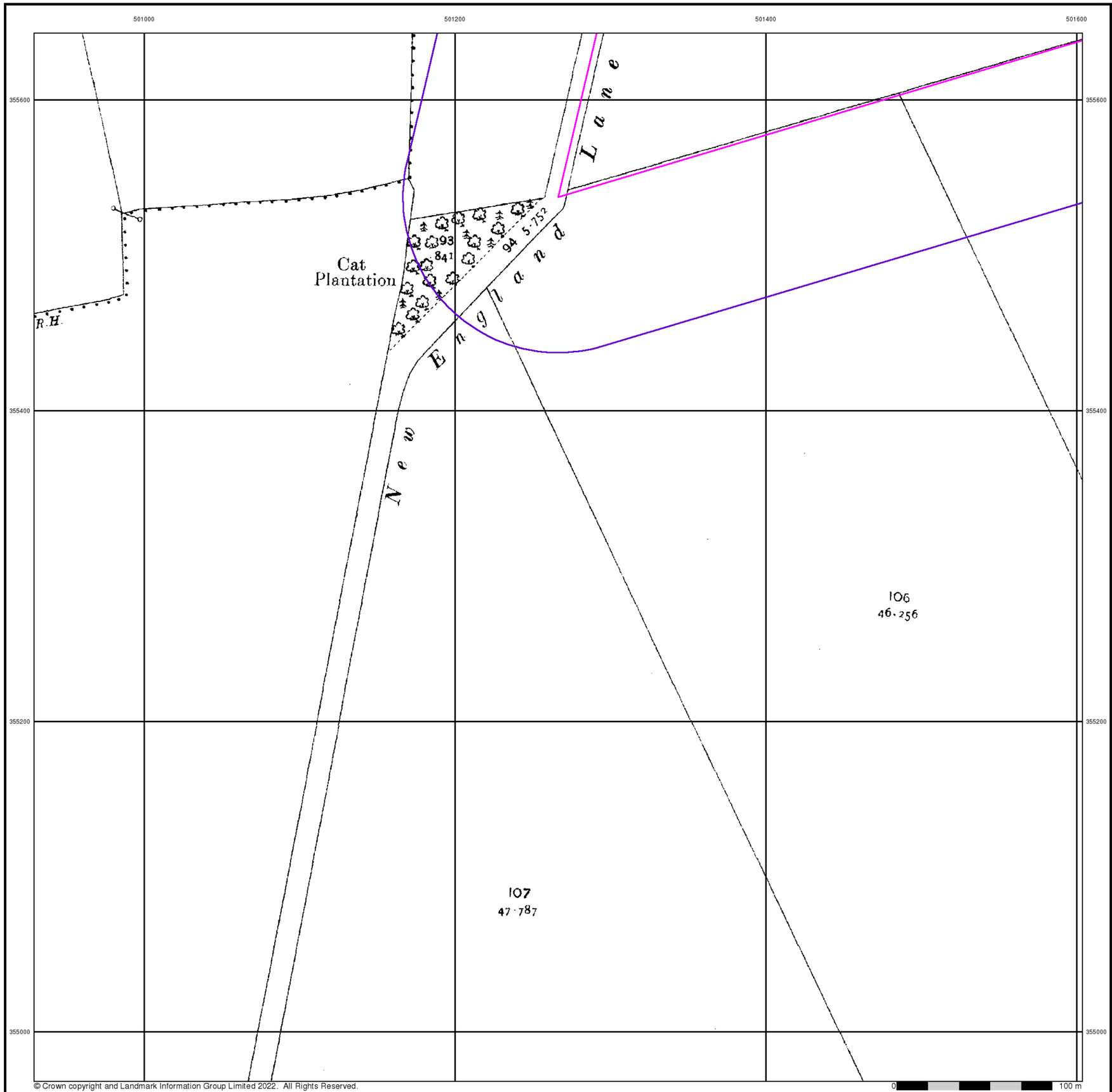

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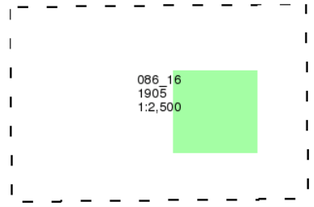
Lincolnshire

Published 1905

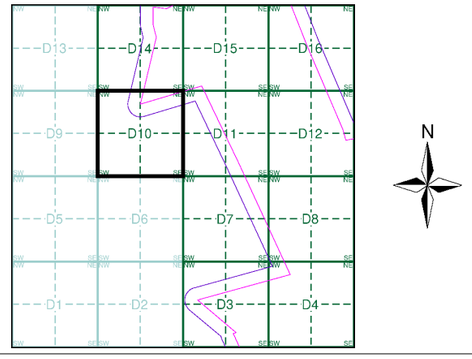
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment D10



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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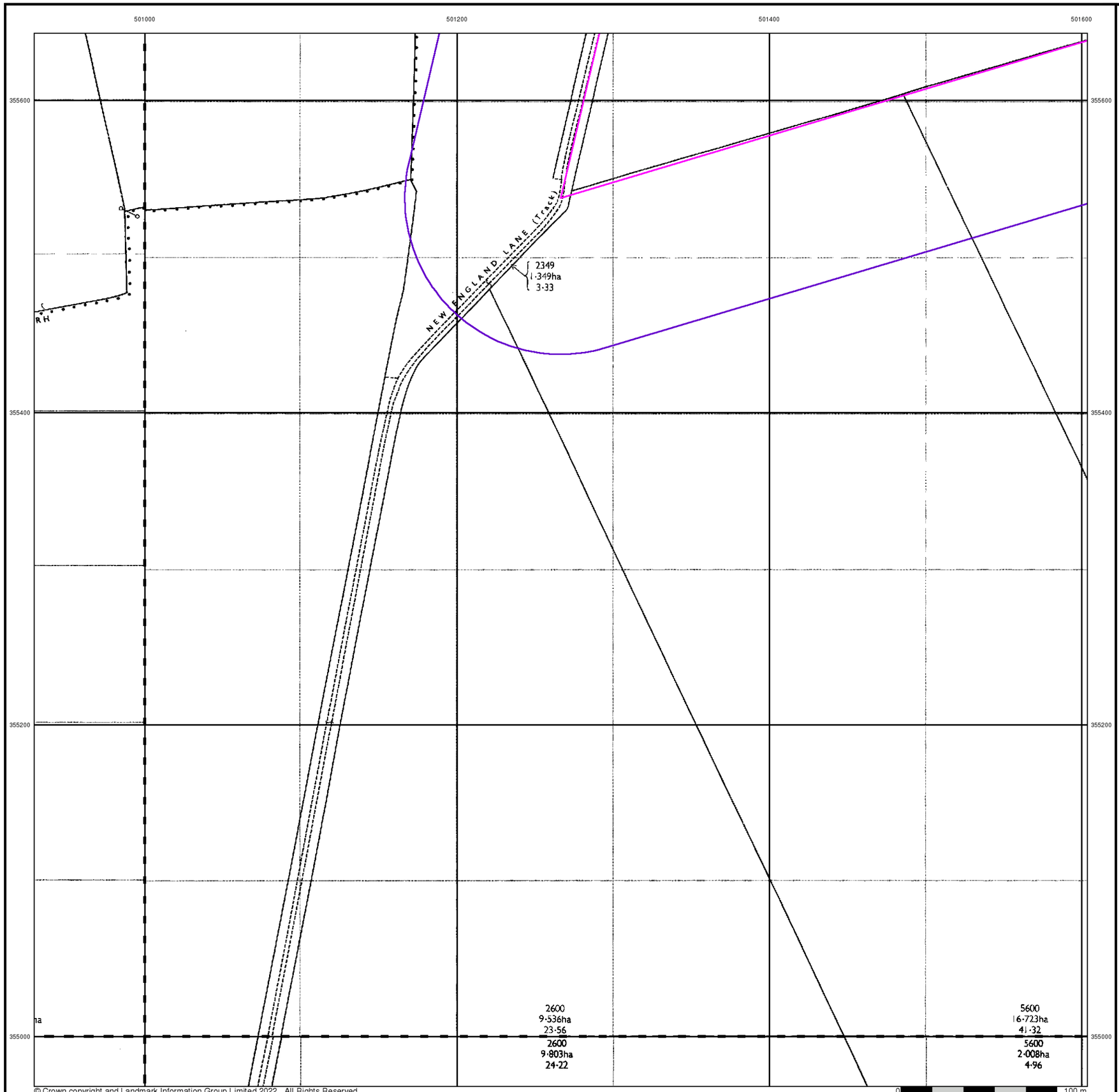

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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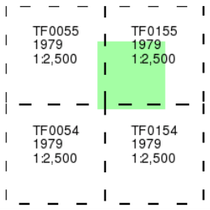
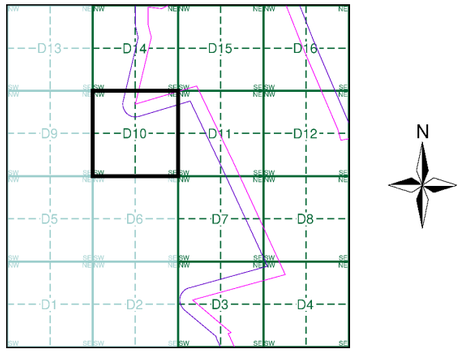
Map Name(s) and Date(s)



Historical Map - Segment D10



Order Details

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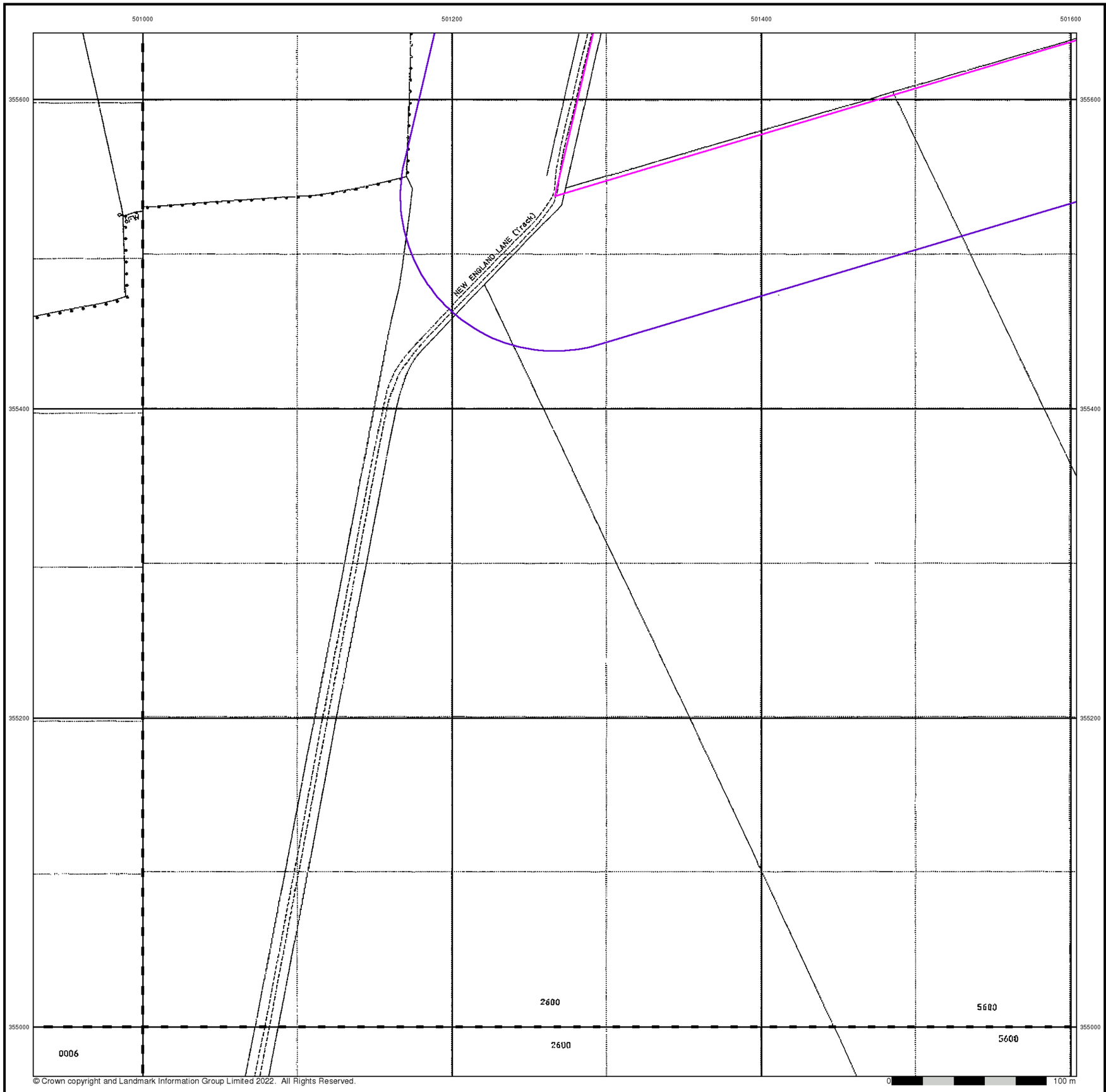

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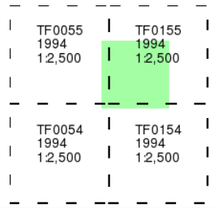
Large-Scale National Grid Data

Published 1994

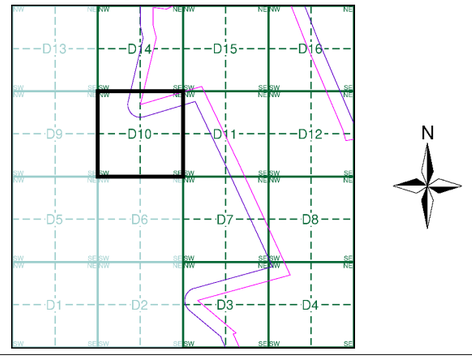
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment D10



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National Grid Reference:	501730, 355030
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Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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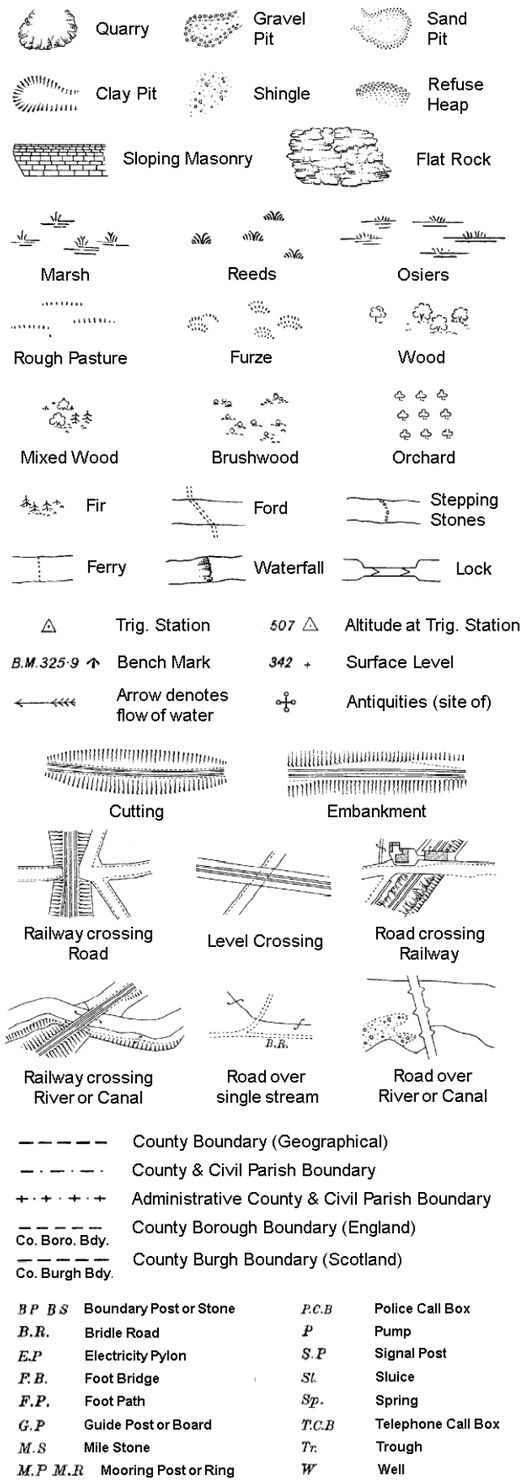
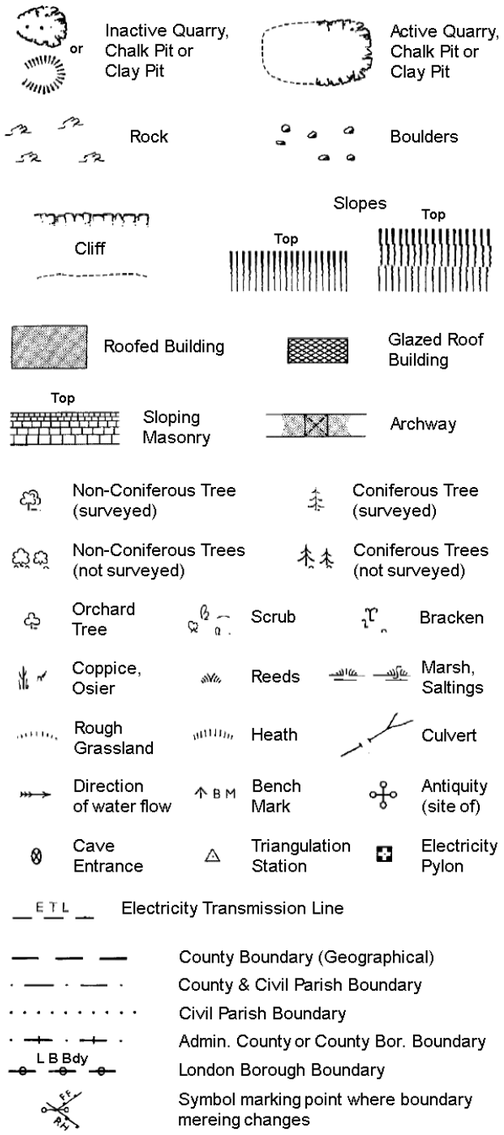
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



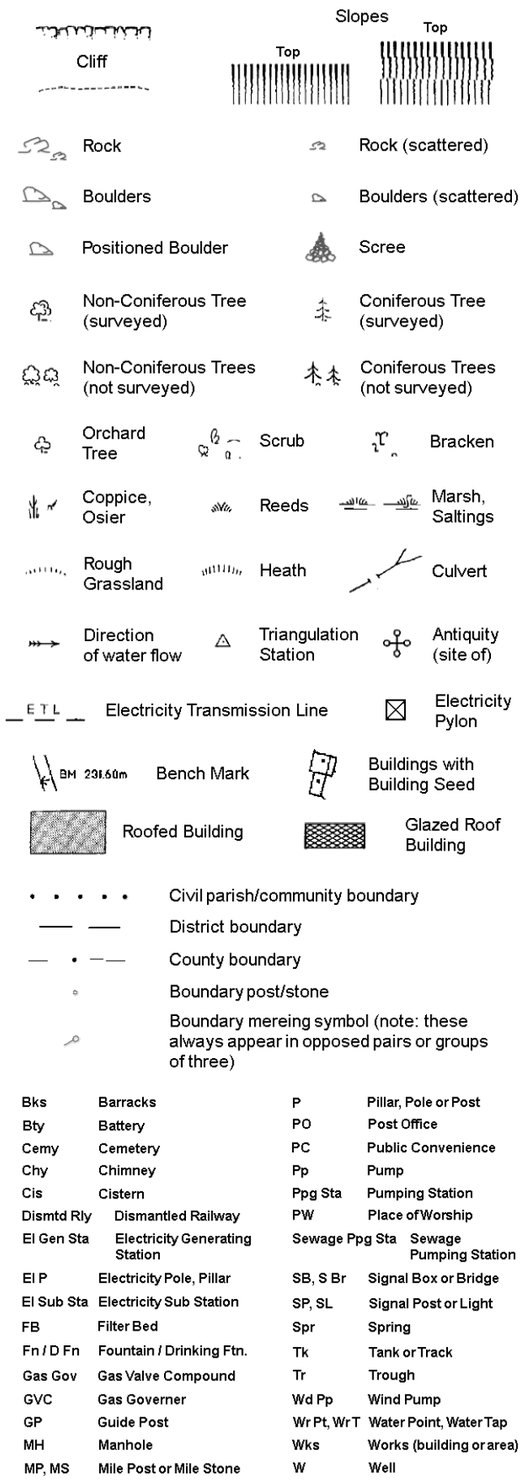
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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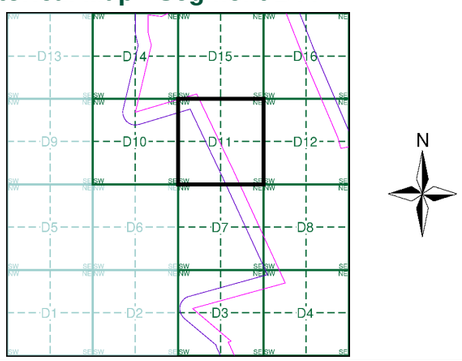
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1887 - 1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment D11



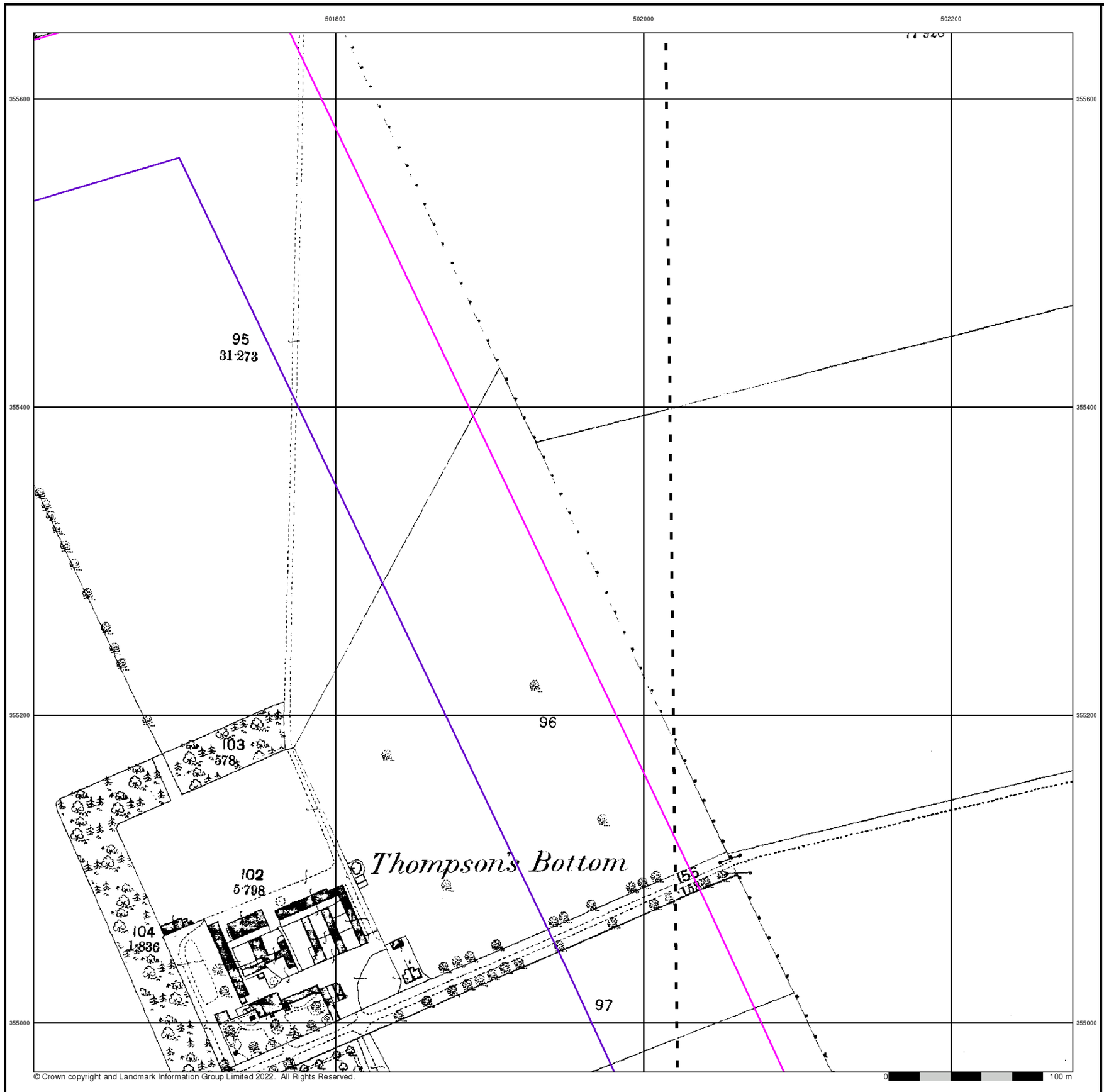
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501730, 355030
Slice: D
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1887 - 1888

Source map scale - 1:2,500

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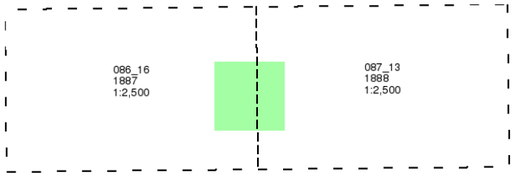
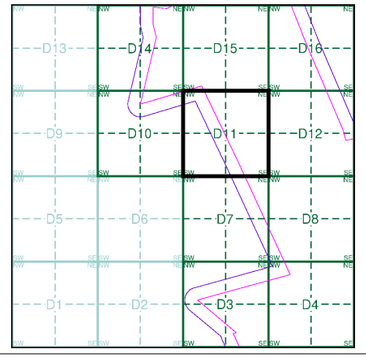
Map Name(s) and Date(s)



Historical Map - Segment D11



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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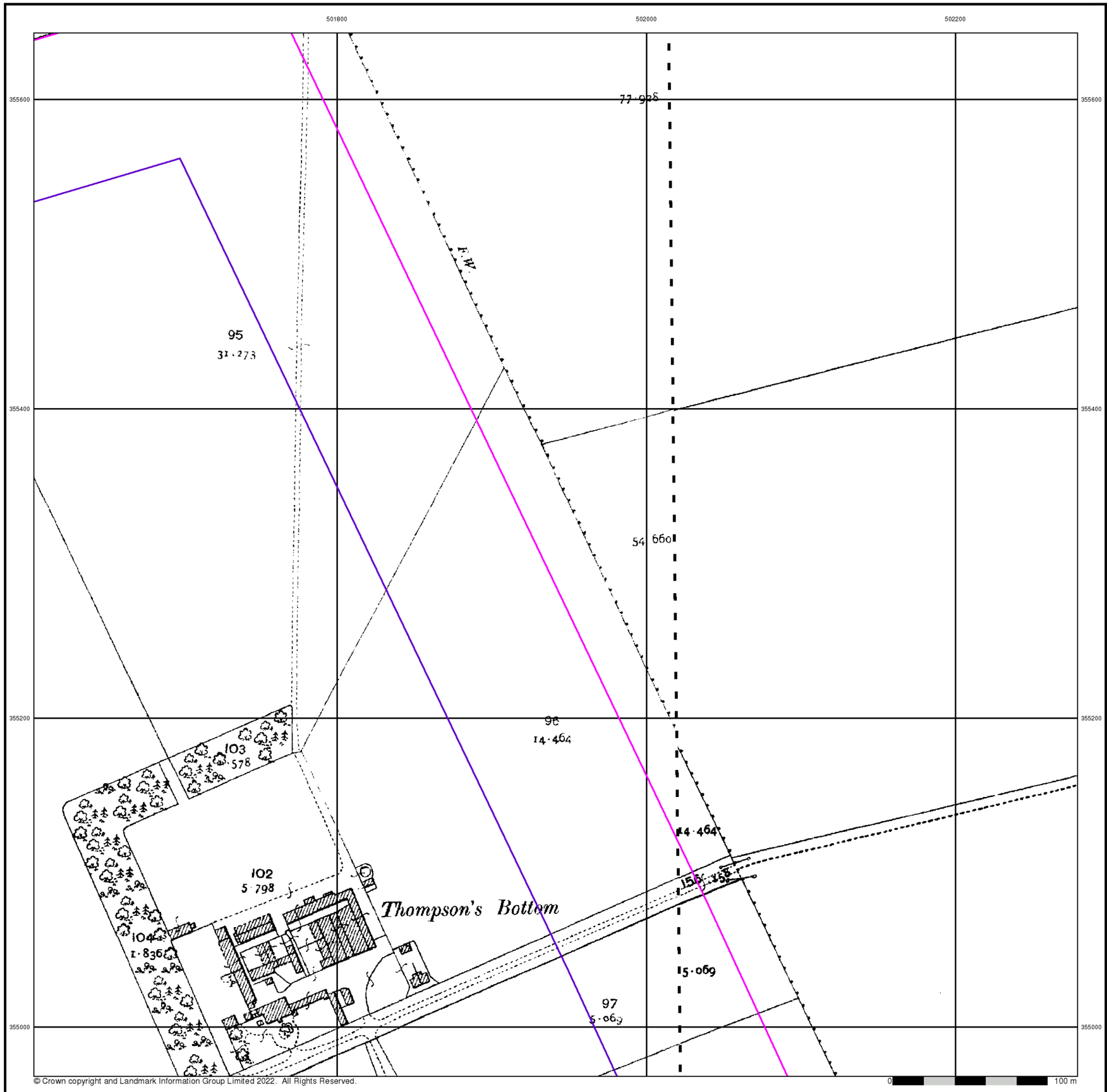
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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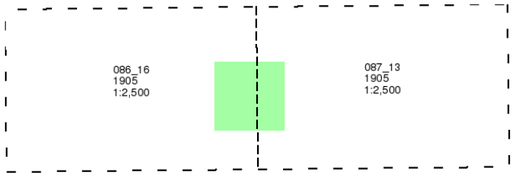
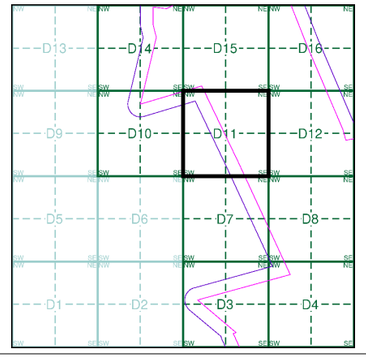


Historical Map - Segment D11



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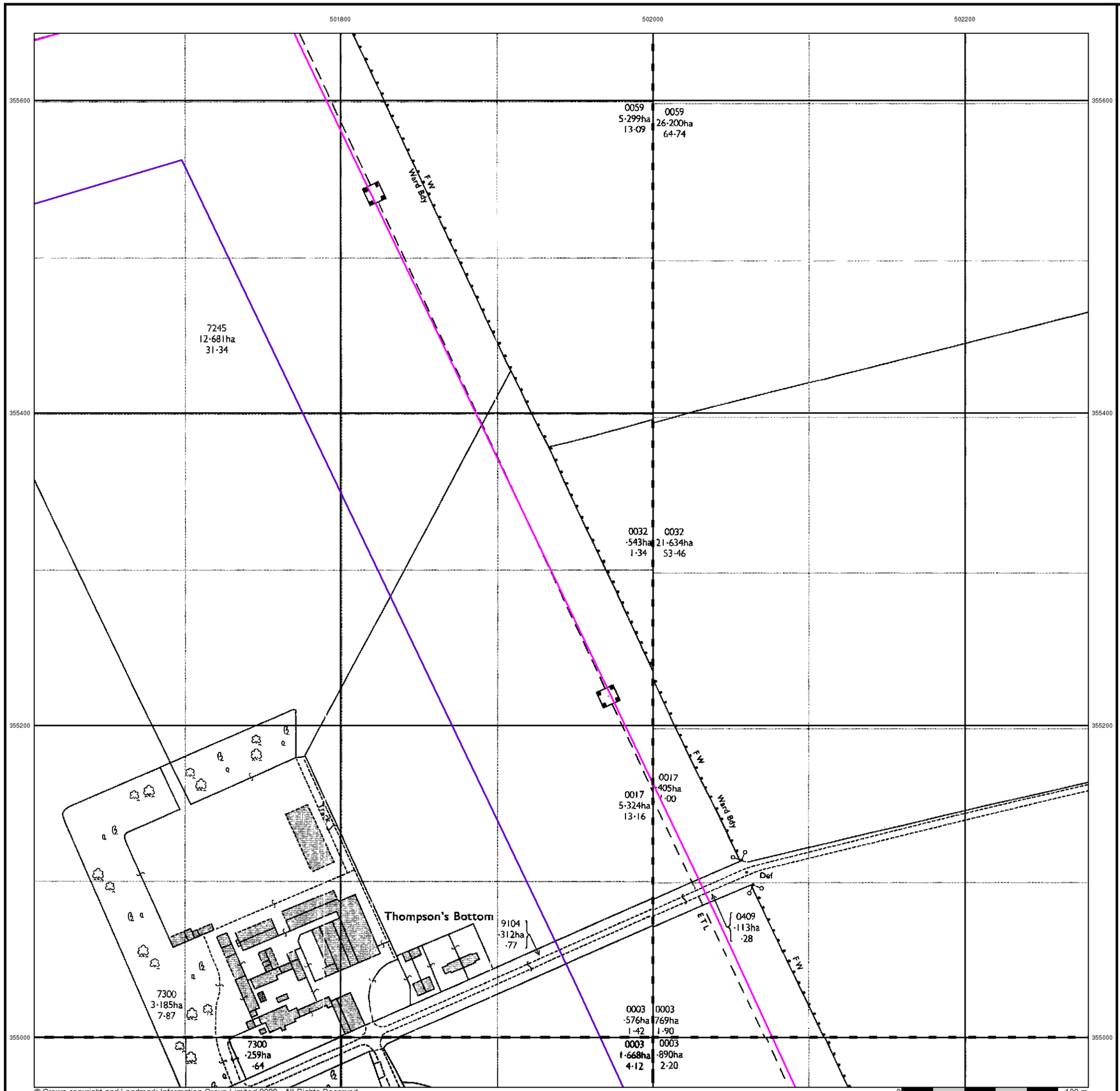

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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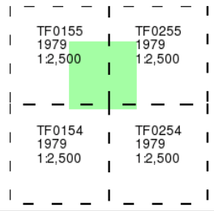
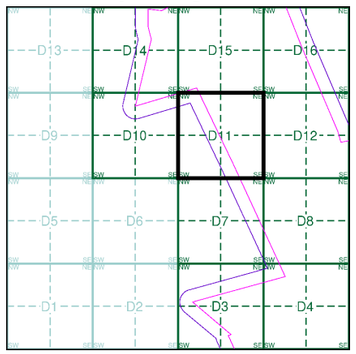


Historical Map - Segment D11



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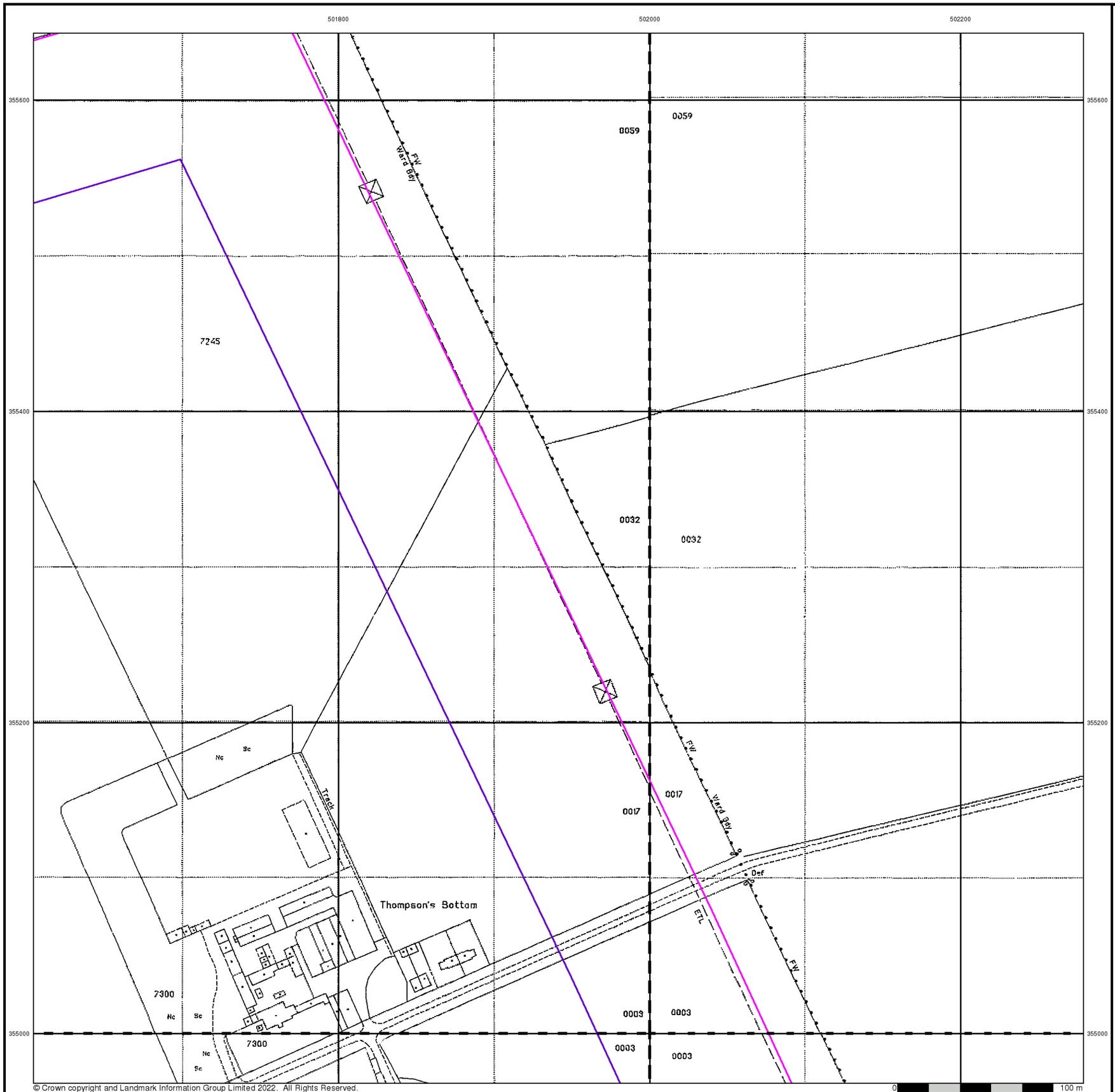

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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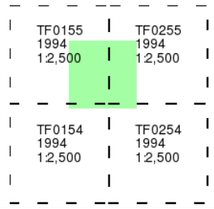
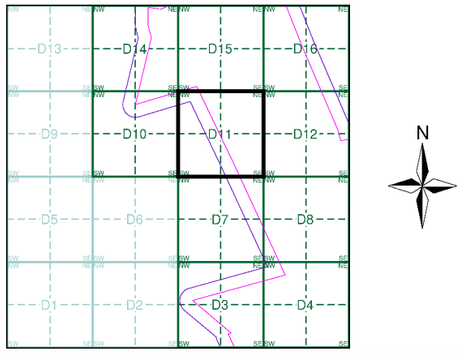


Historical Map - Segment D11



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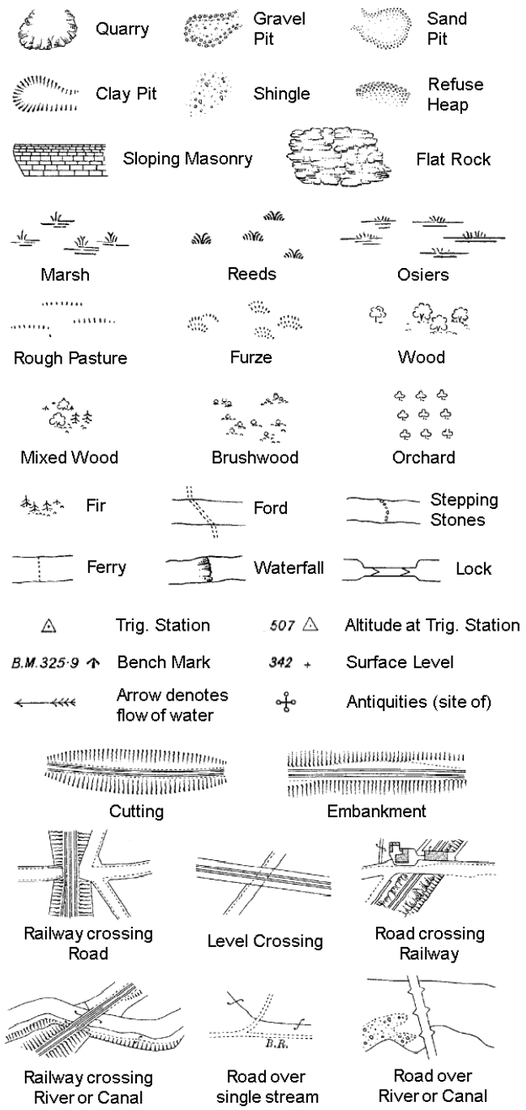
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

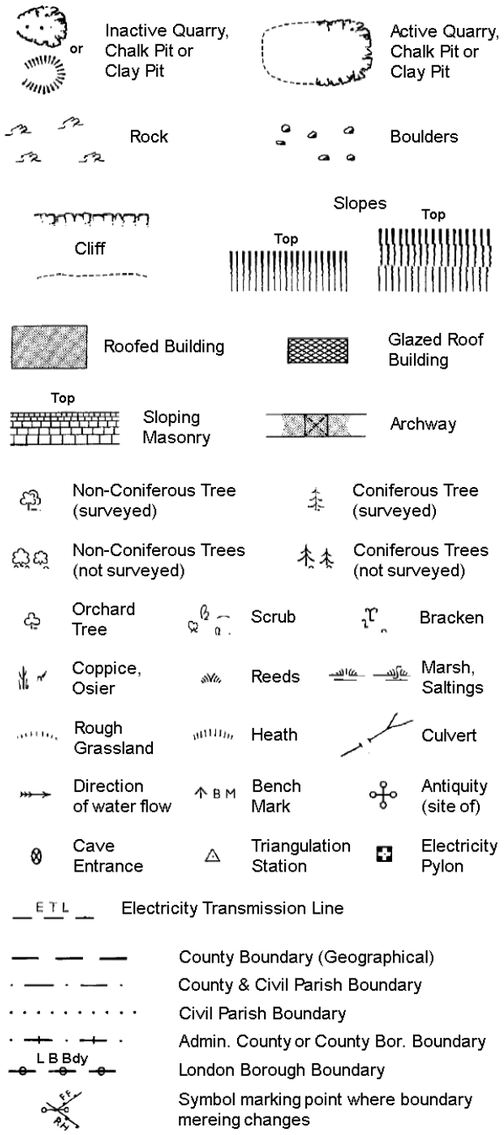
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

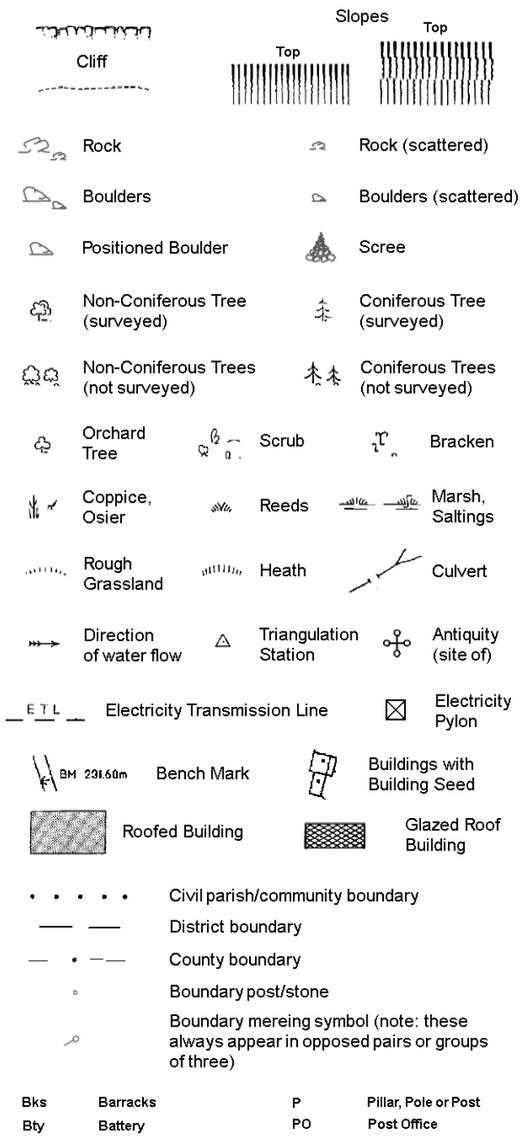
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

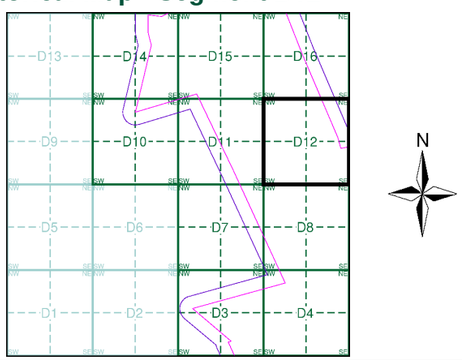
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment D12



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501730, 355030
Slice: D
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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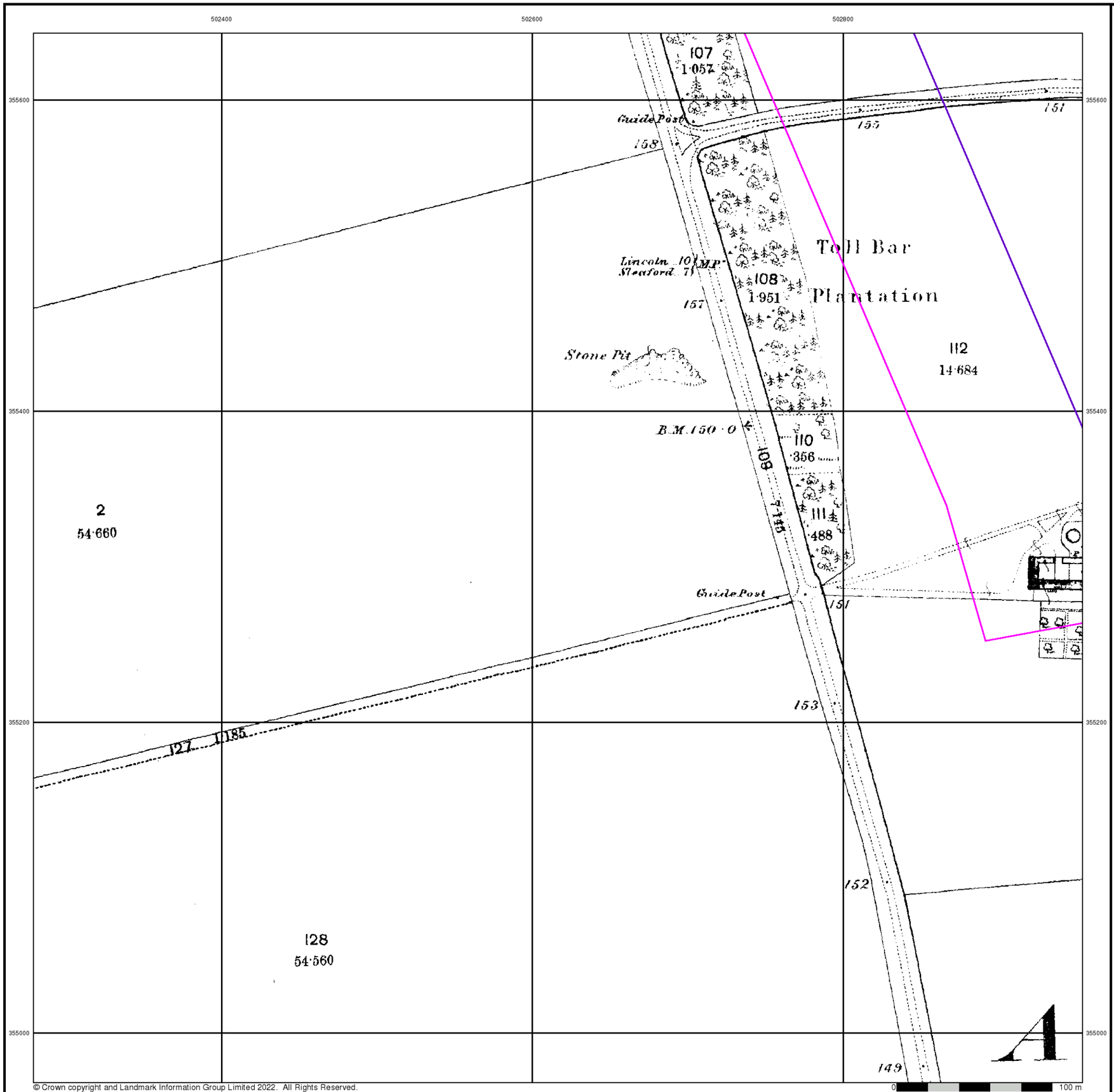
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1888

Source map scale - 1:2,500

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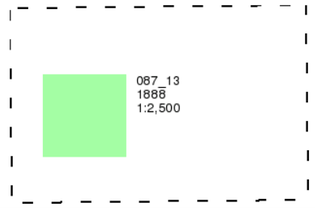
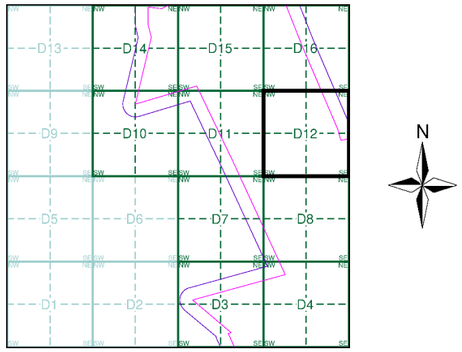


Historical Map - Segment D12



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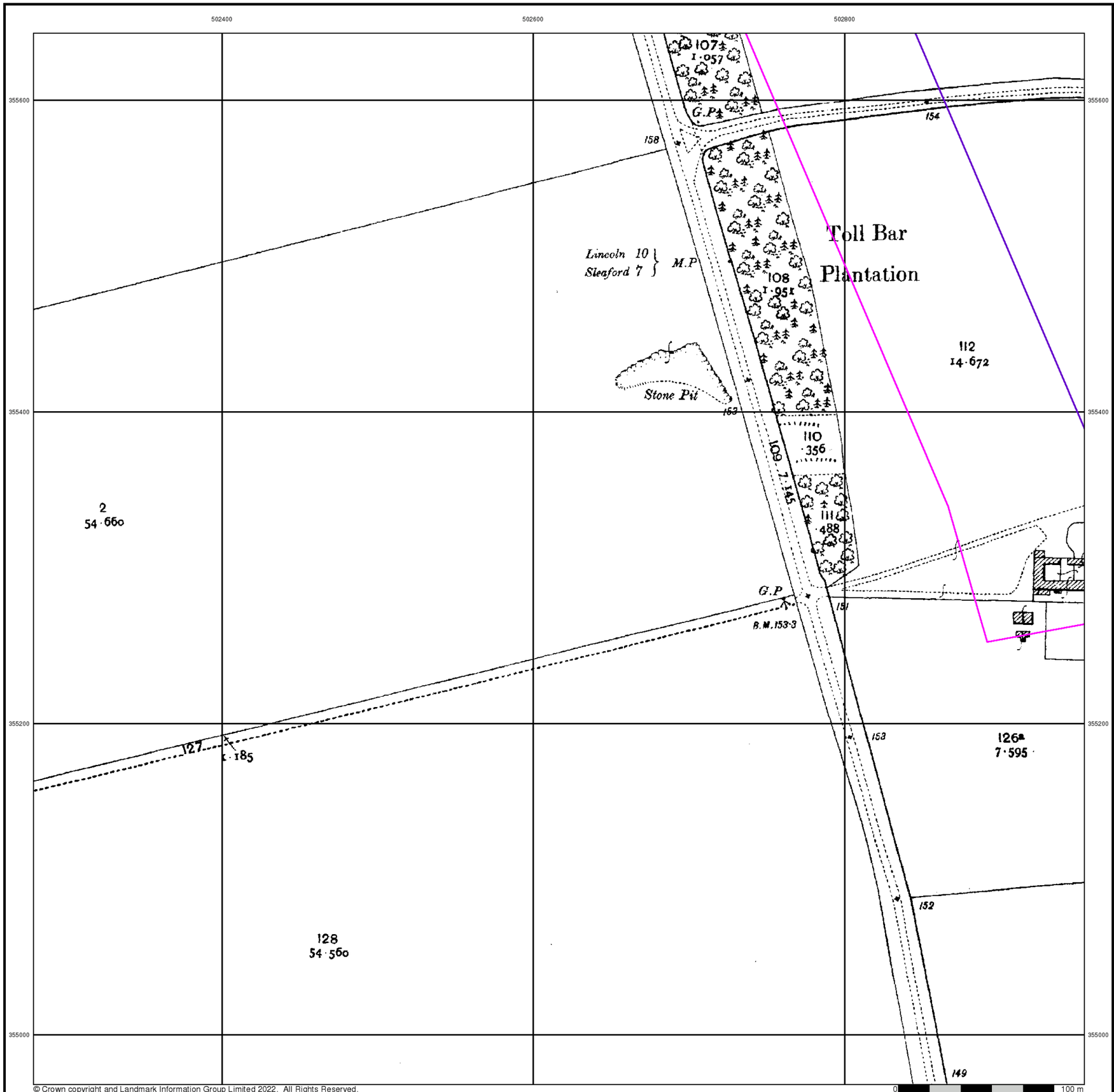

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RSK

Lincolnshire

Published 1905

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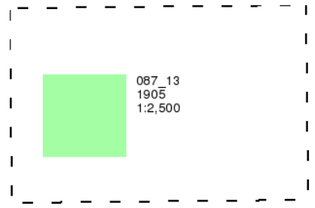

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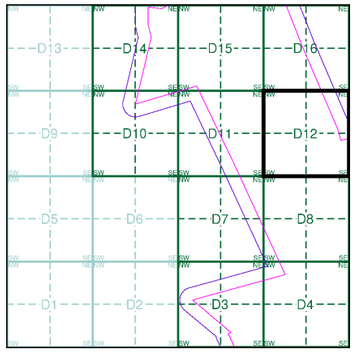

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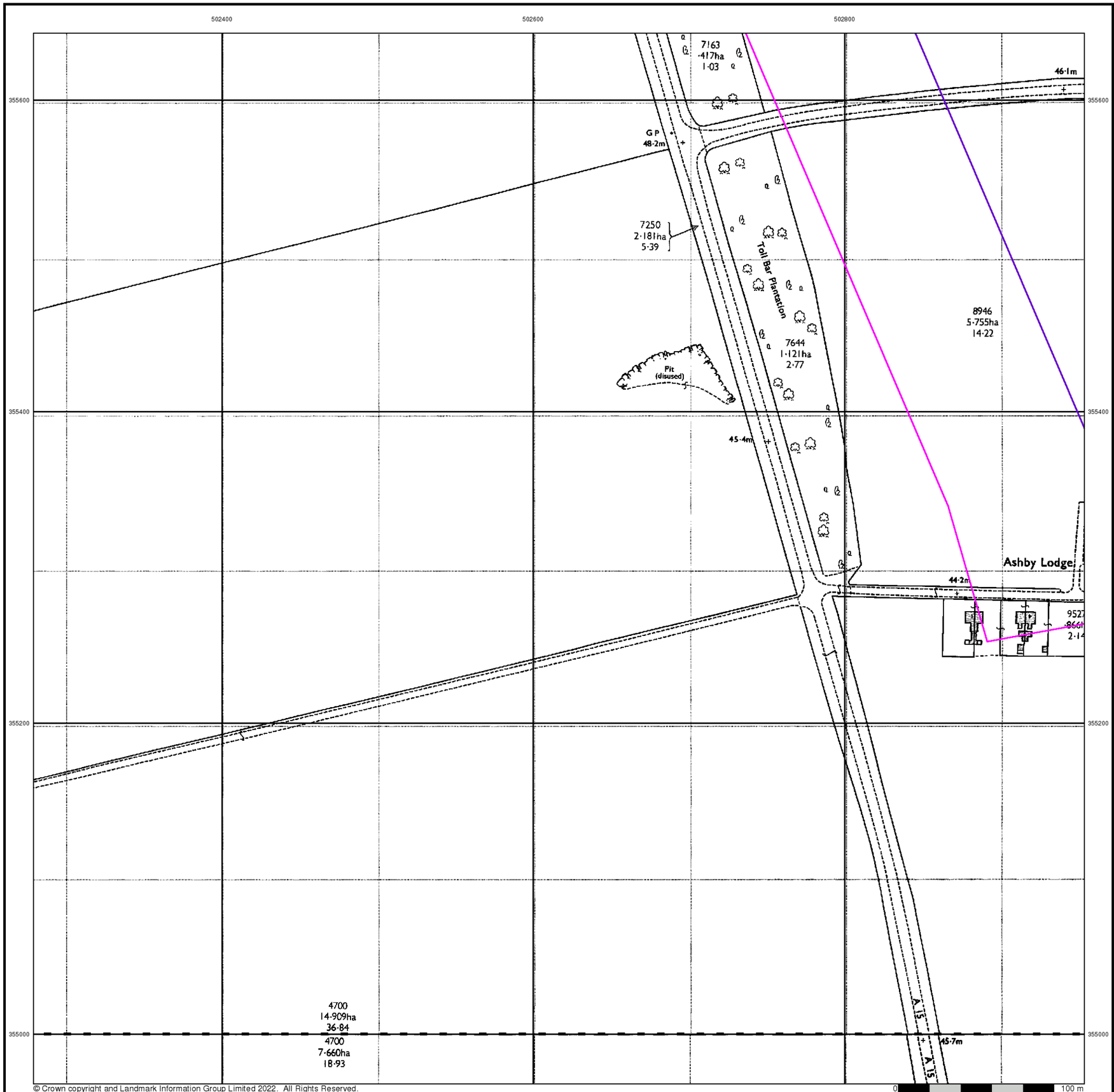

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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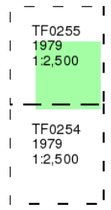

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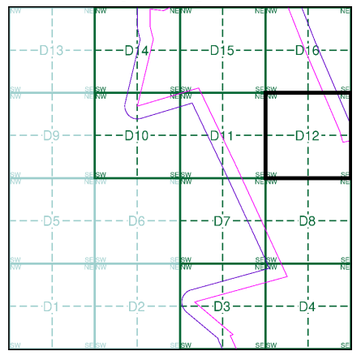

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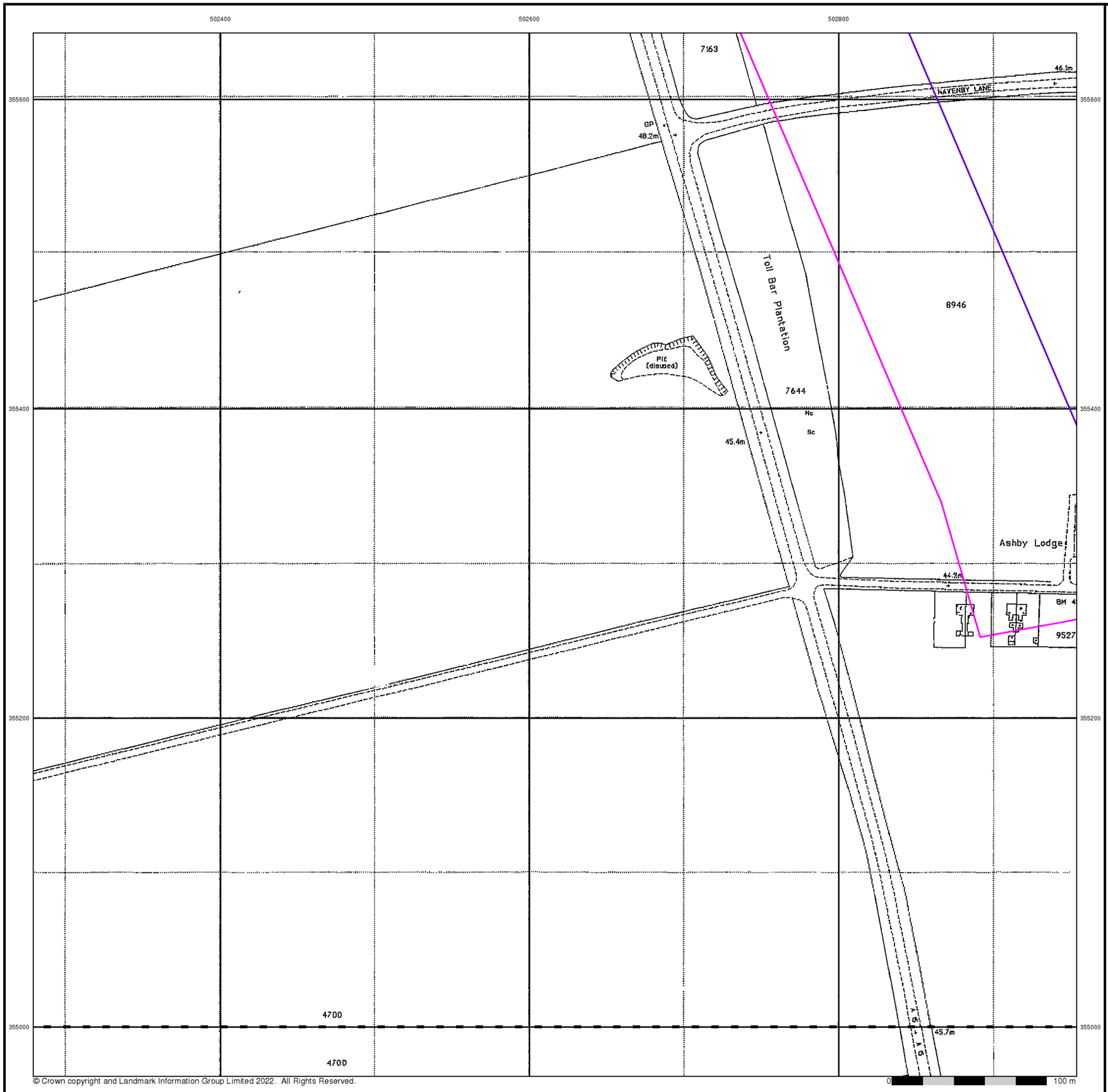

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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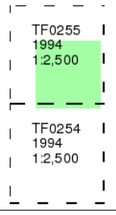

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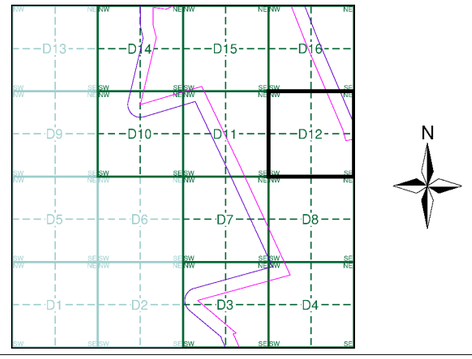

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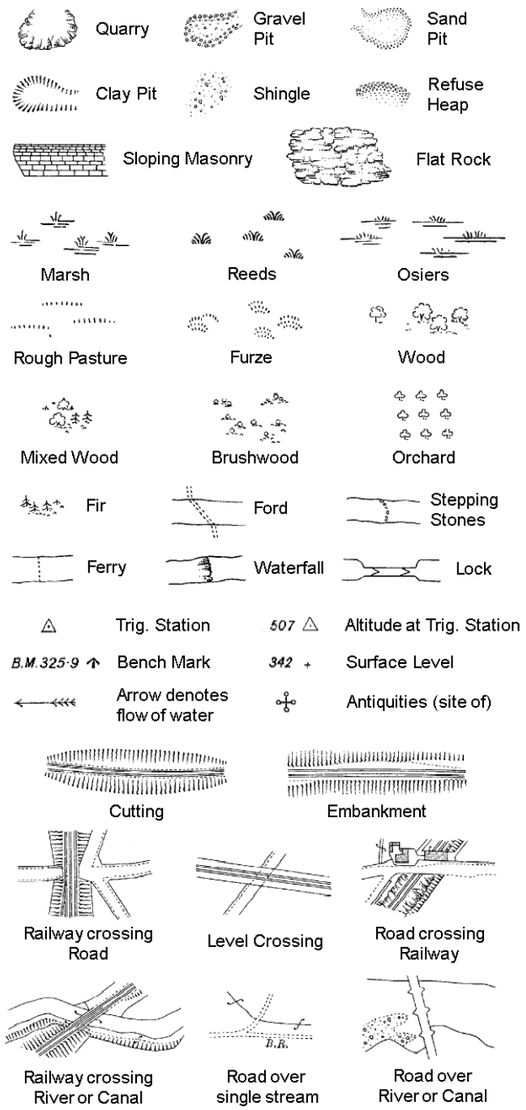
Historical Mapping Legends

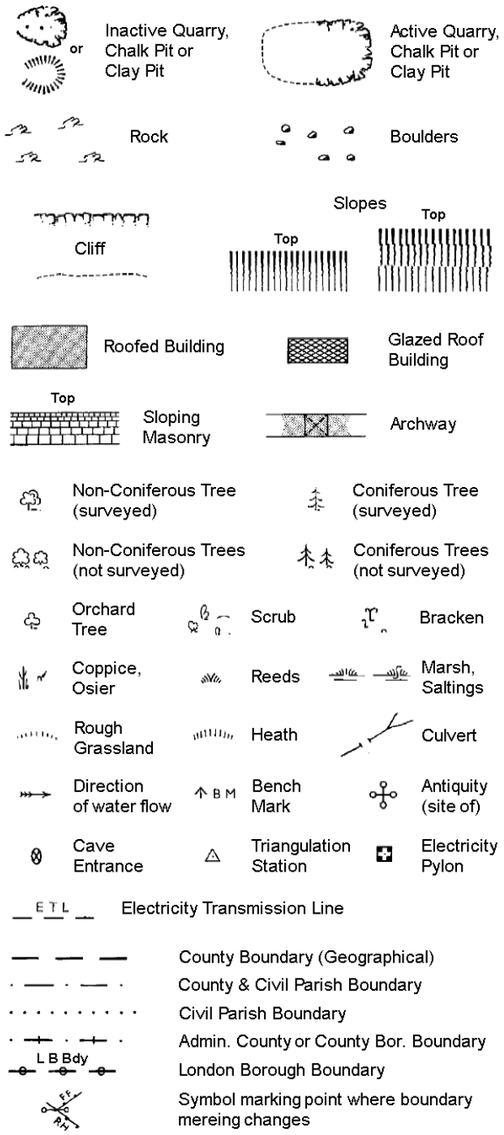
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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Symbol marking point where boundary mereing changes

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LC	Level Crossing	TCP	Telephone Call Post
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MS	Mile Stone	W	Well
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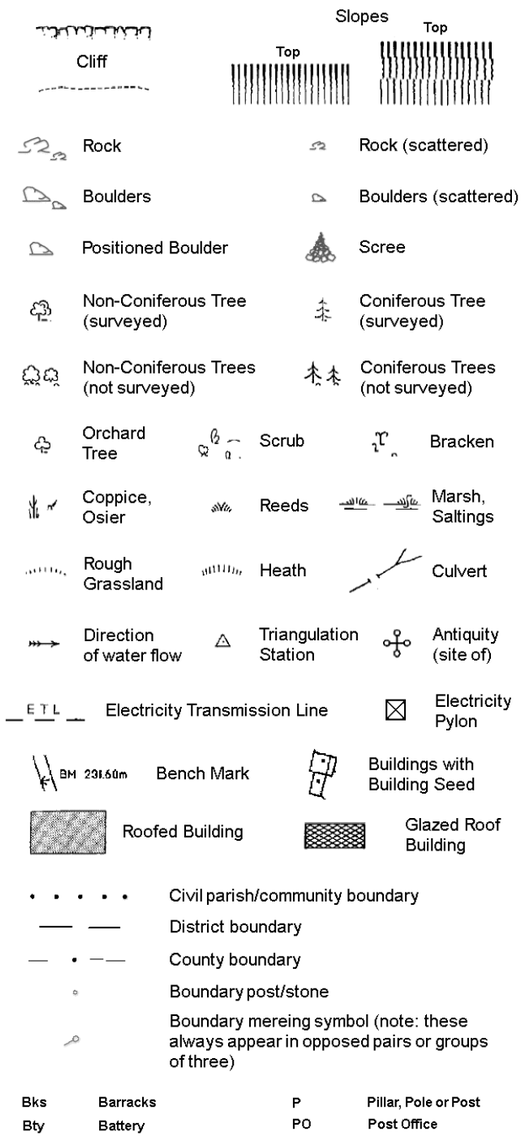
Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

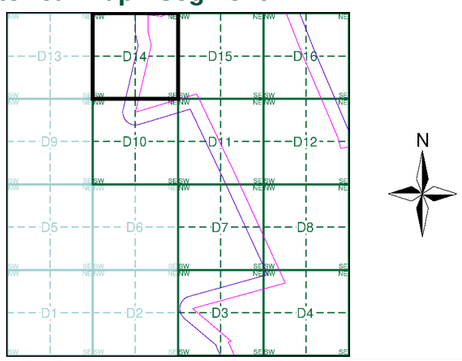
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1887	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment D14



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501730, 355030
Slice: D
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

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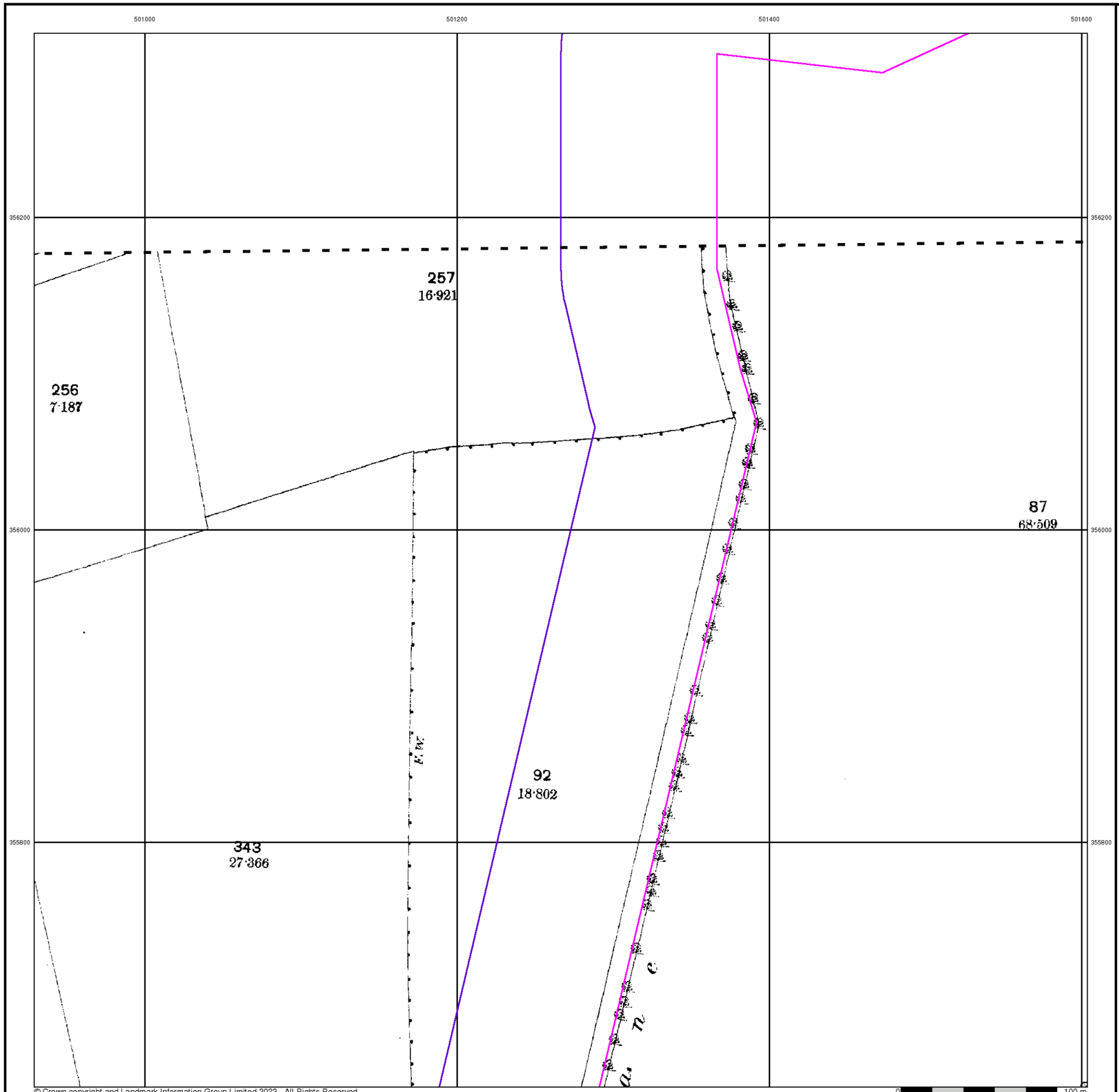

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RSK

Lincolnshire

Published 1887

Source map scale - 1:2,500

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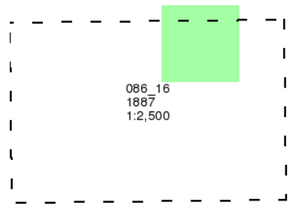
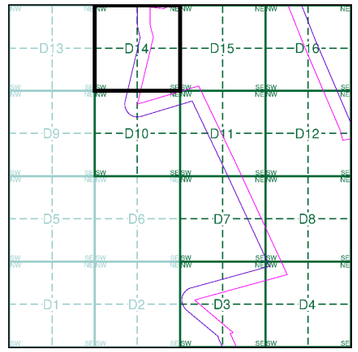
Map Name(s) and Date(s)



Historical Map - Segment D14



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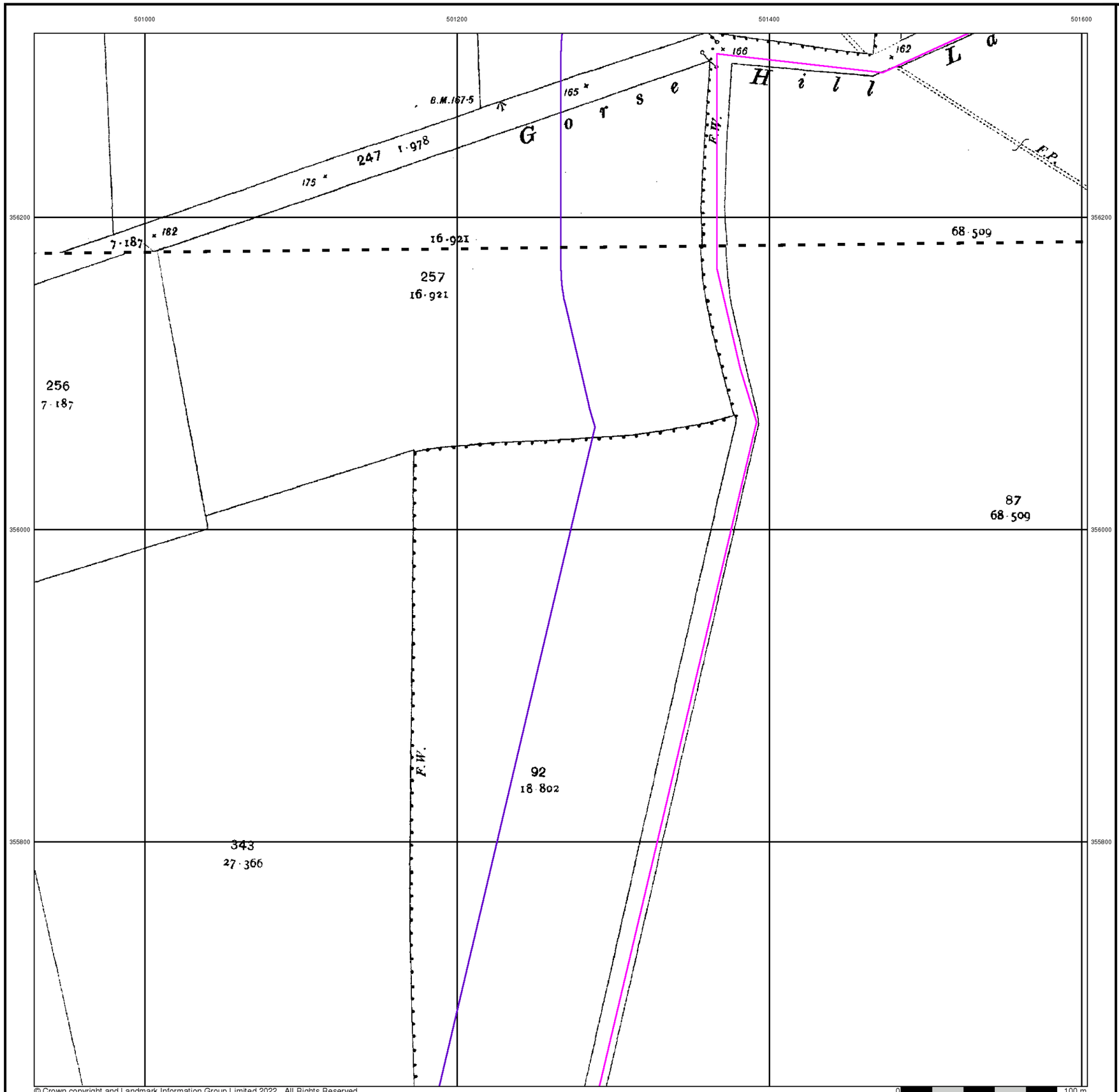

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0 100 m

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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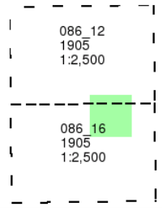
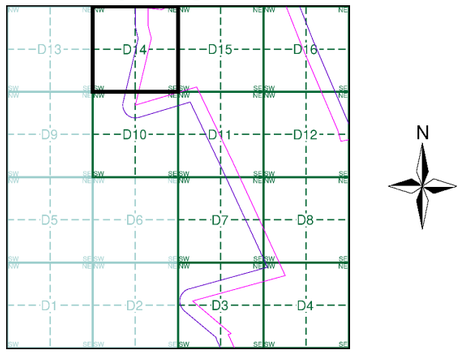


Historical Map - Segment D14



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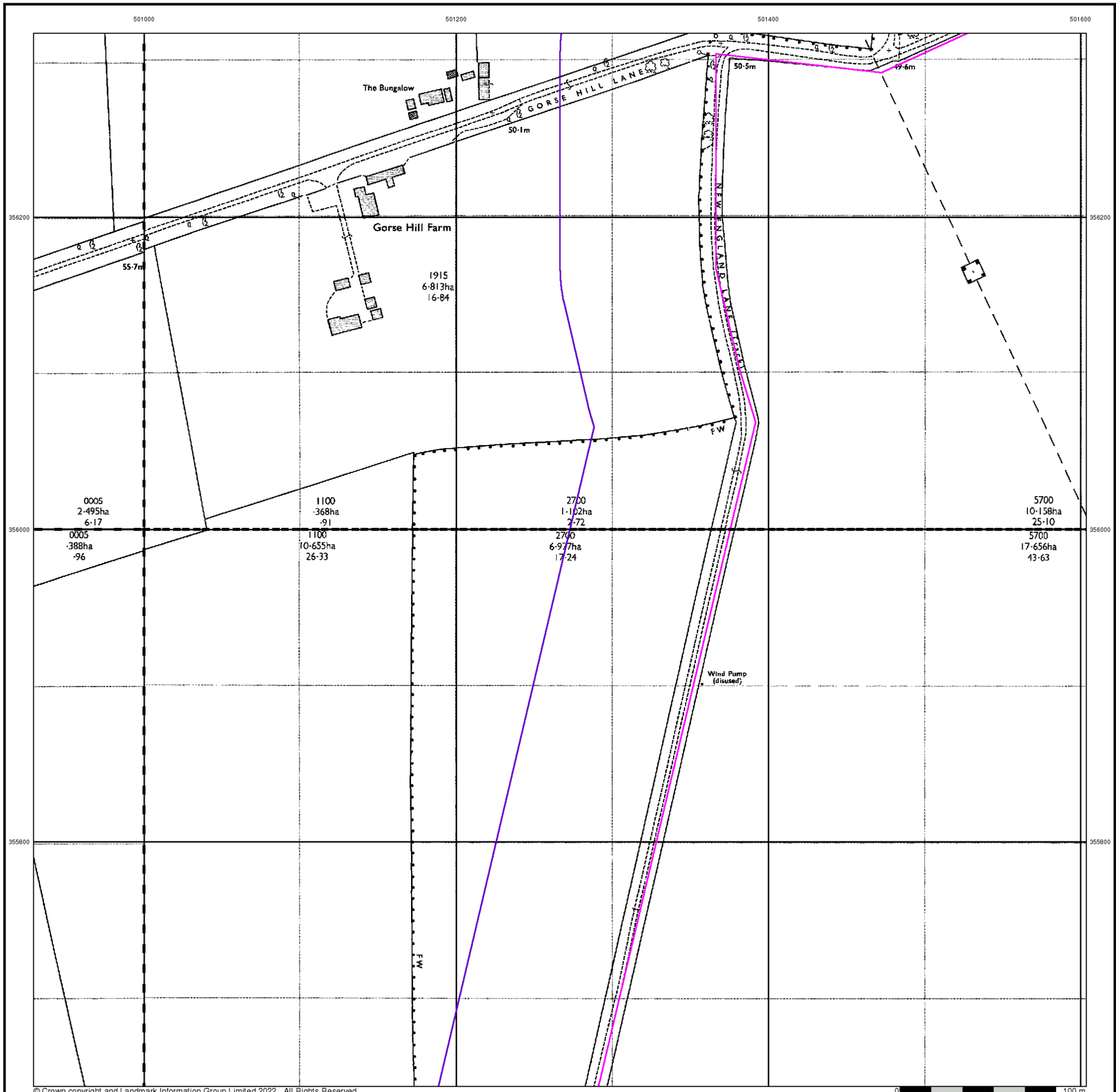

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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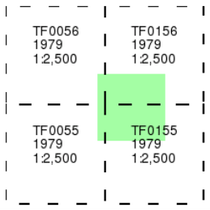
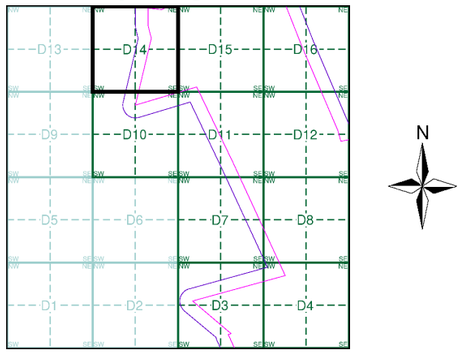


Historical Map - Segment D14



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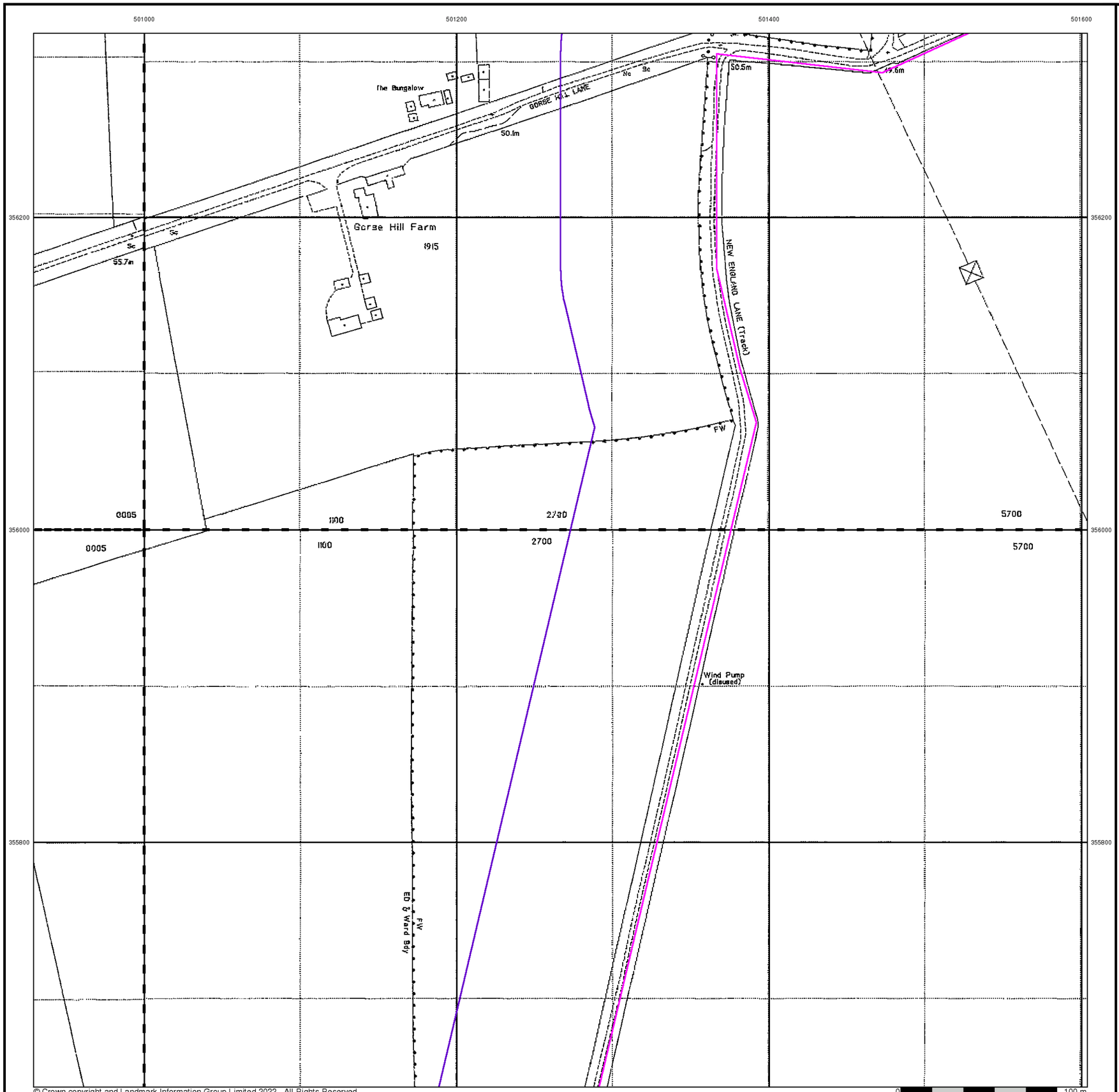

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RSK

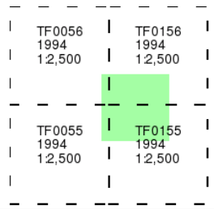
Large-Scale National Grid Data

Published 1994

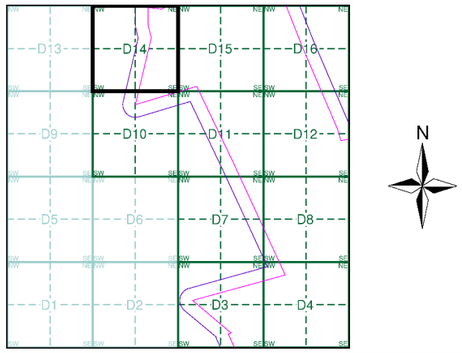
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment D14



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Site Details

All Areas New

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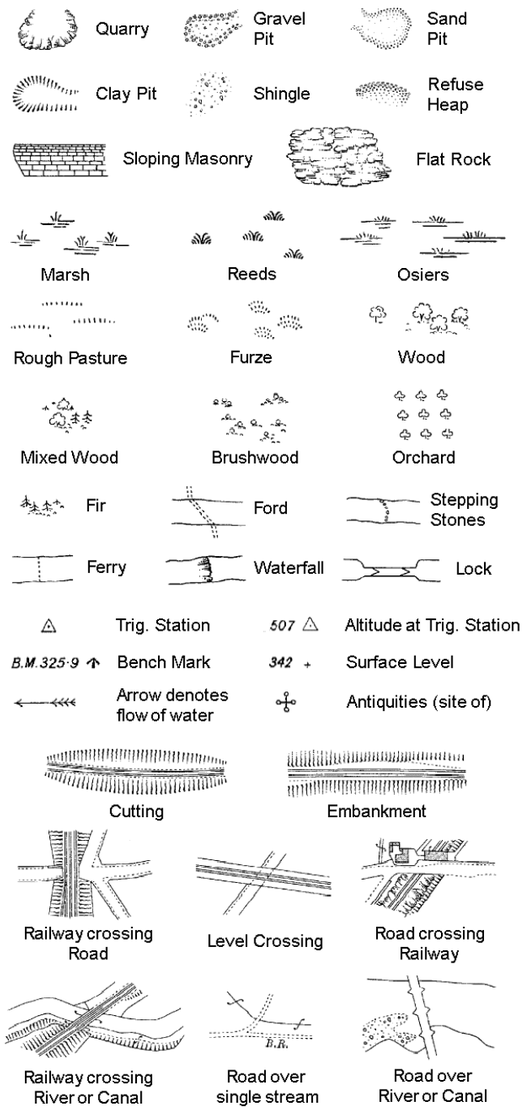
Historical Mapping Legends

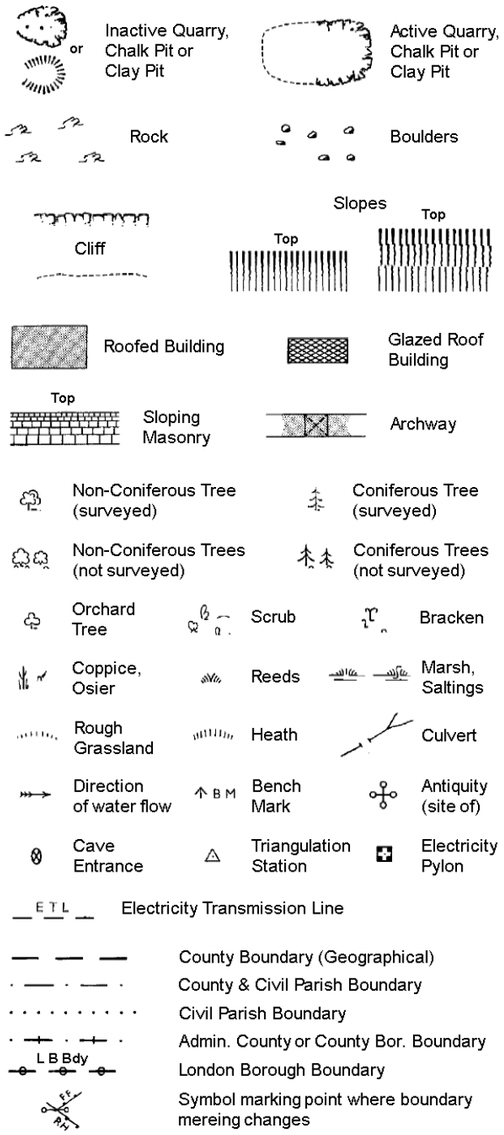
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

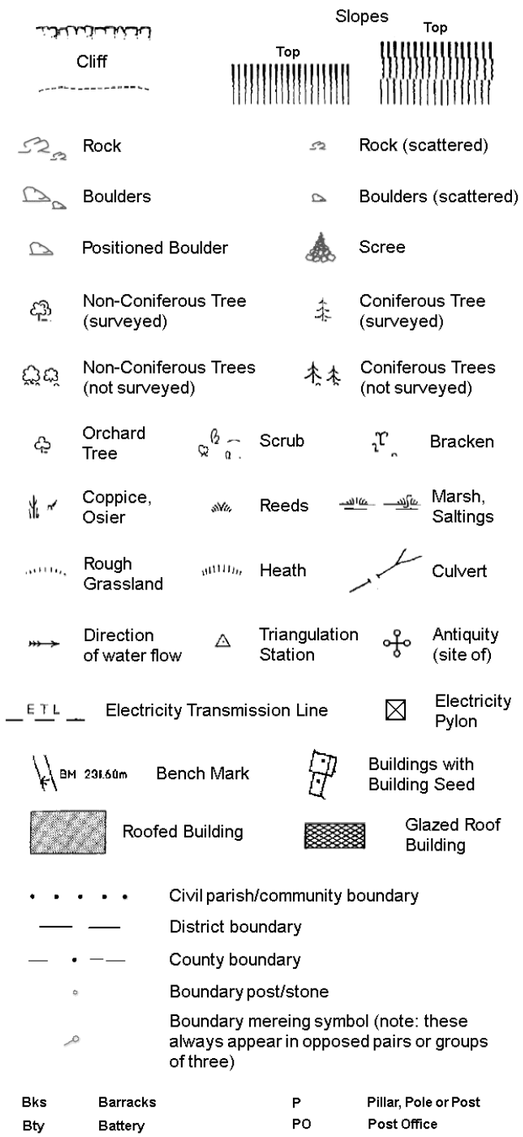
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

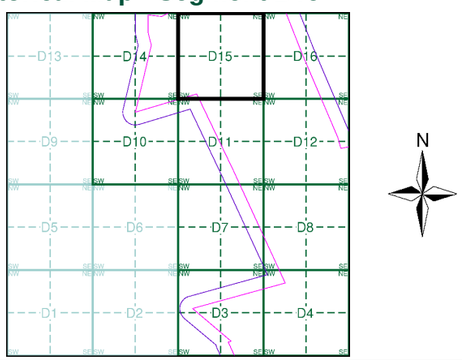
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1887 - 1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979 - 1980	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment D15



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501730, 355030
Slice: D
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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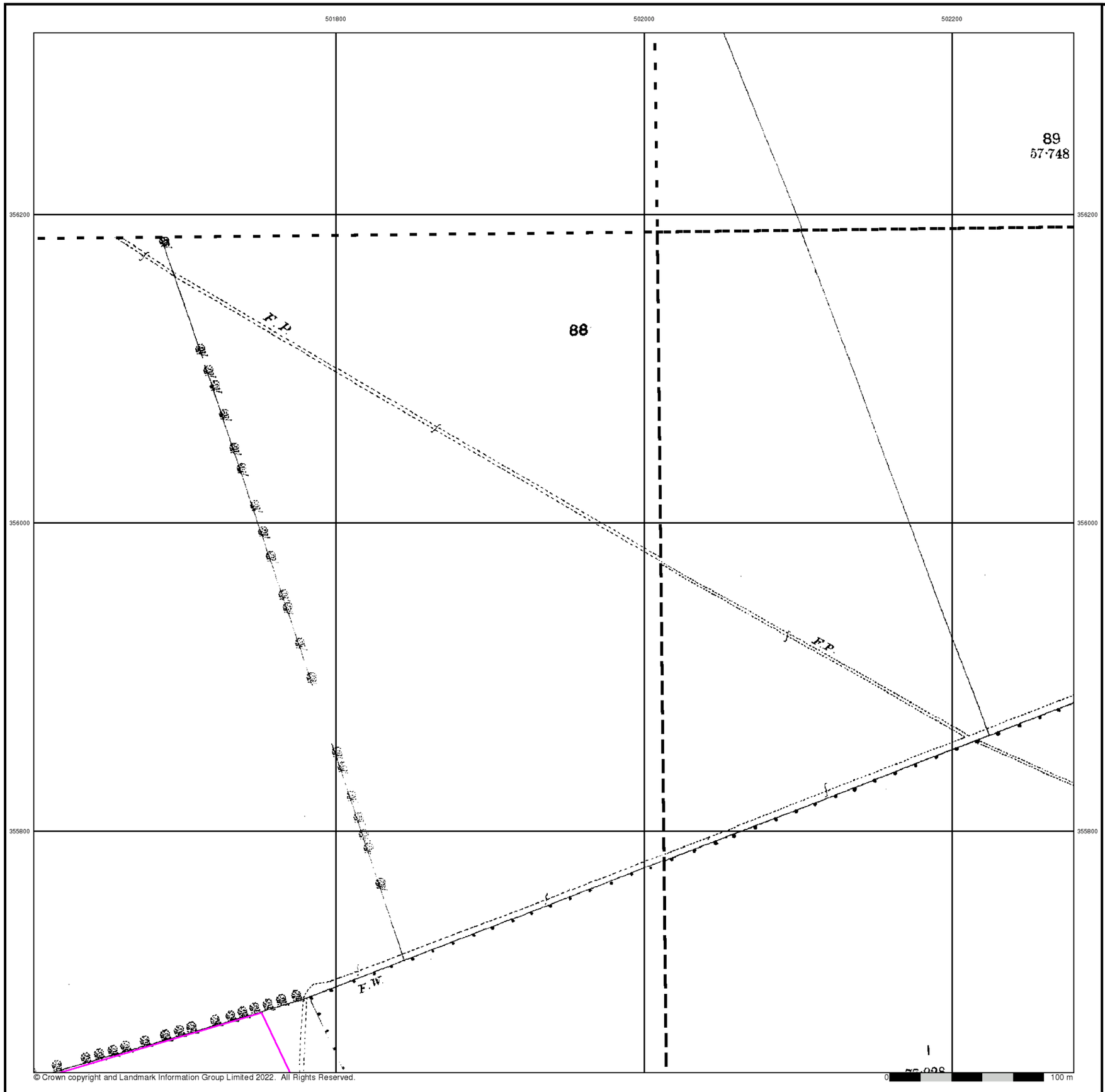

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RSK

Lincolnshire

Published 1887 - 1888

Source map scale - 1:2,500

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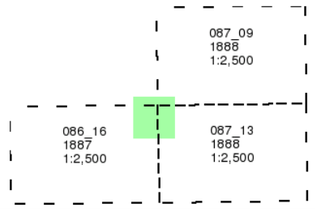
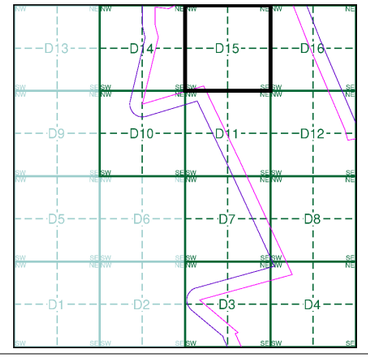
Map Name(s) and Date(s)



Historical Map - Segment D15



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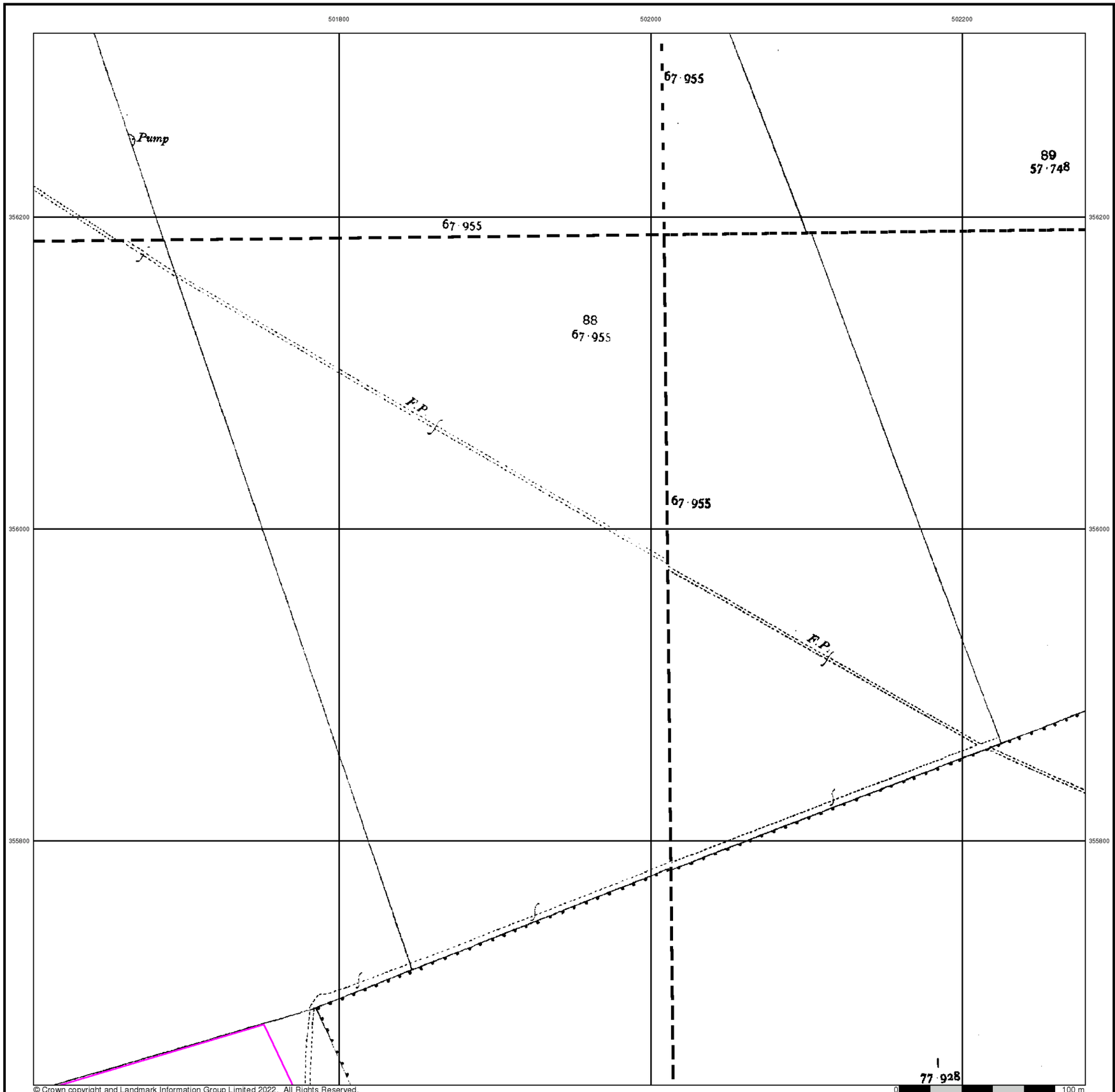

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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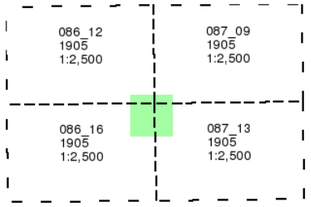
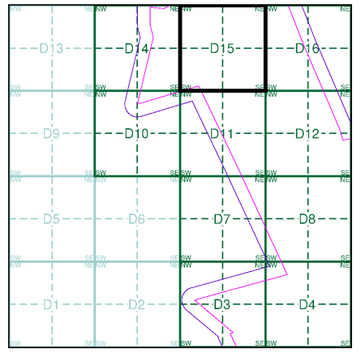


Historical Map - Segment D15



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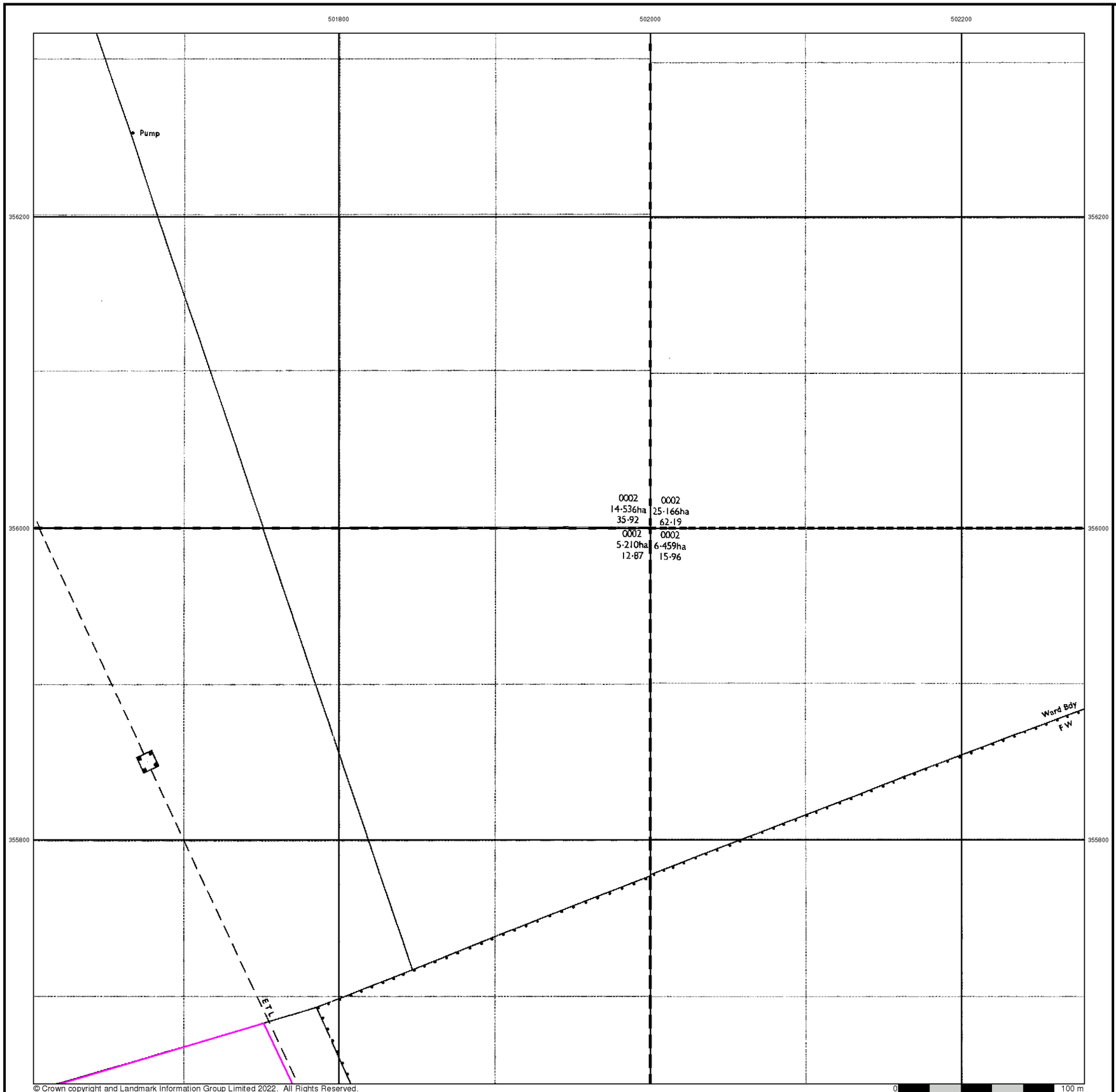


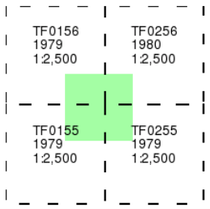
Ordnance Survey Plan

Published 1979 - 1980

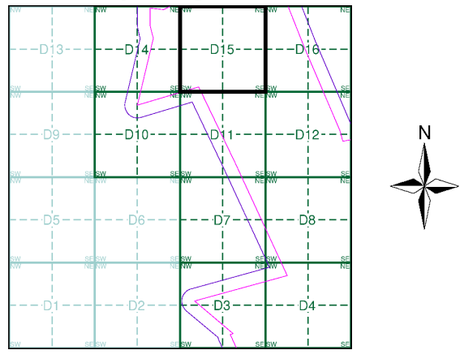
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment D15



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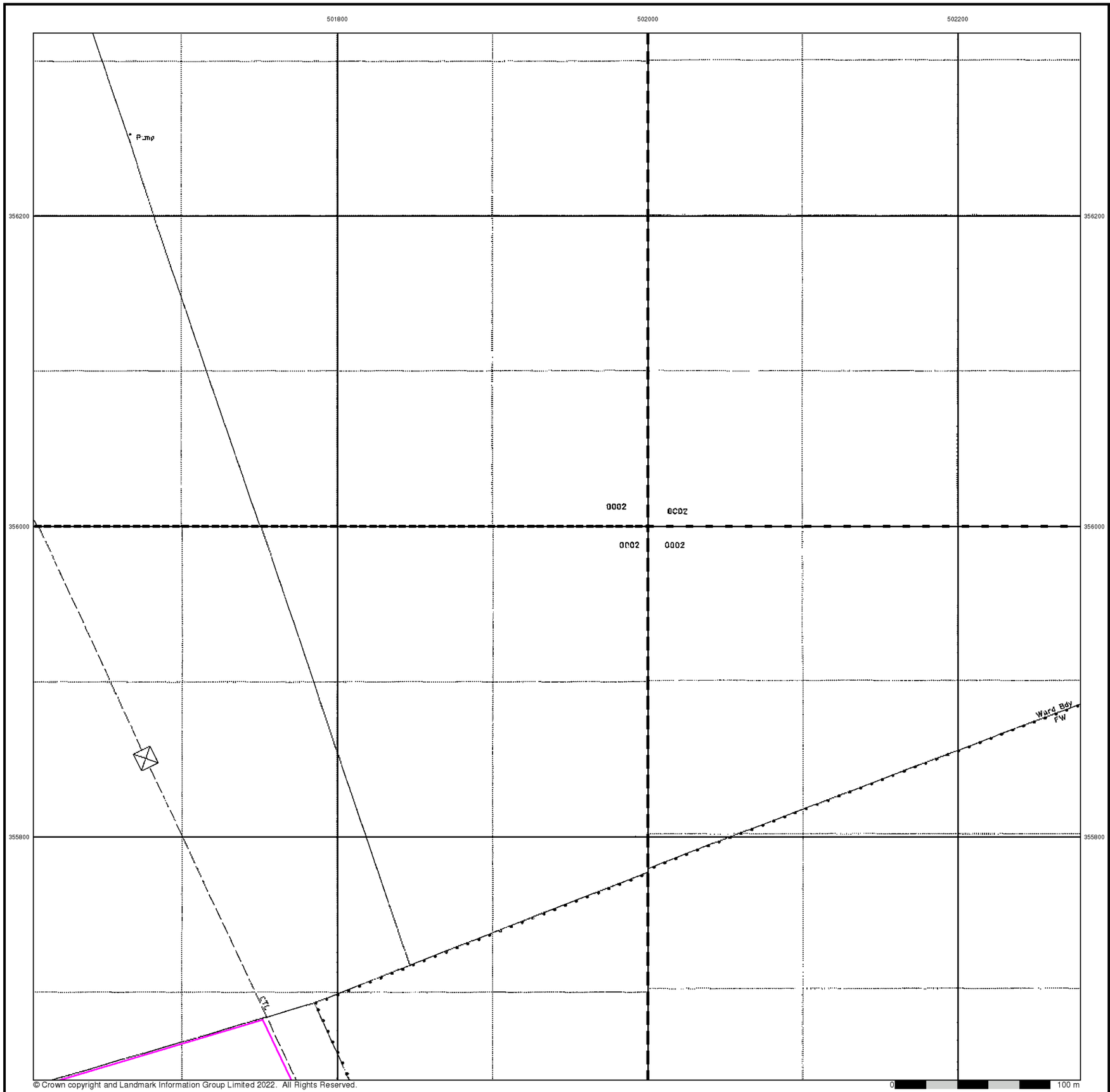


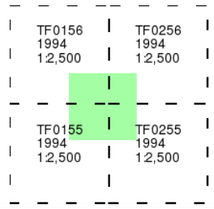
Large-Scale National Grid Data

Published 1994

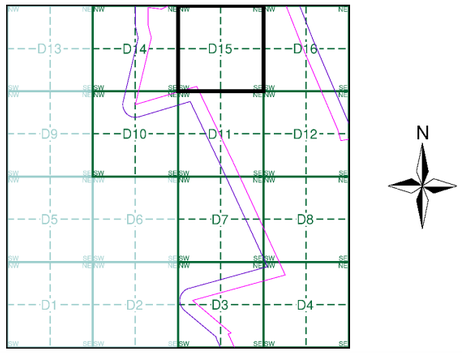
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment D15



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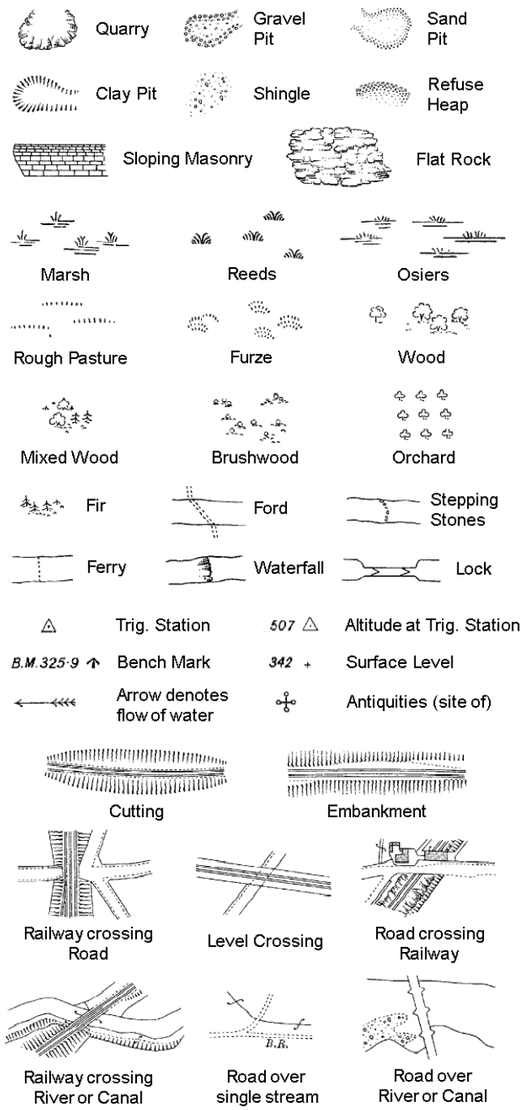
Historical Mapping Legends

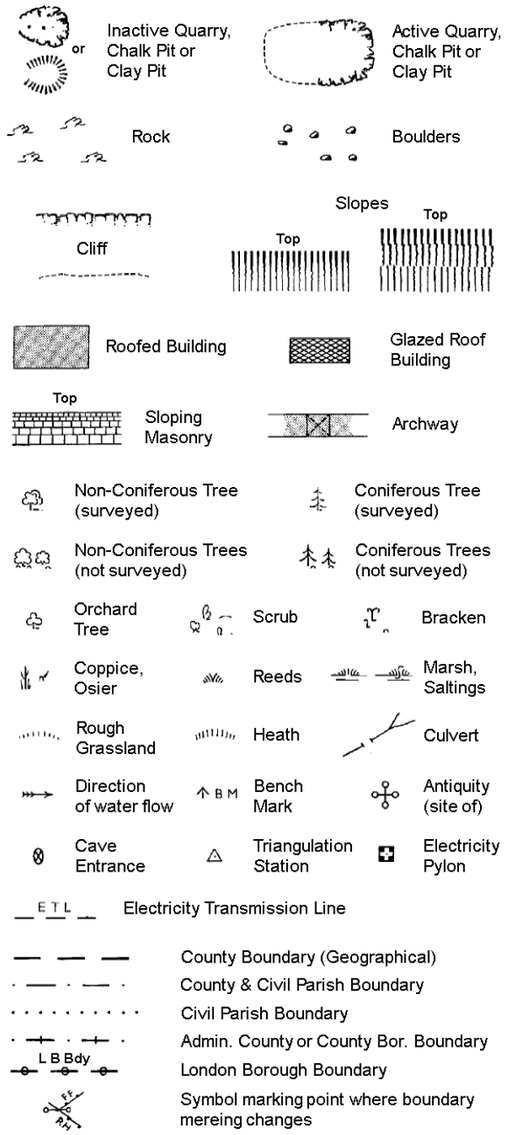
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

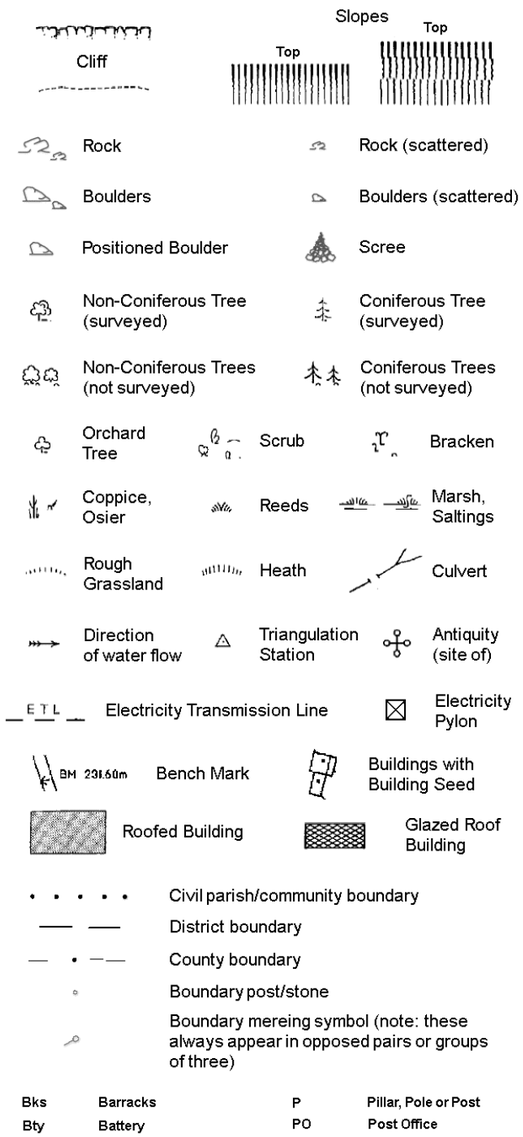
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

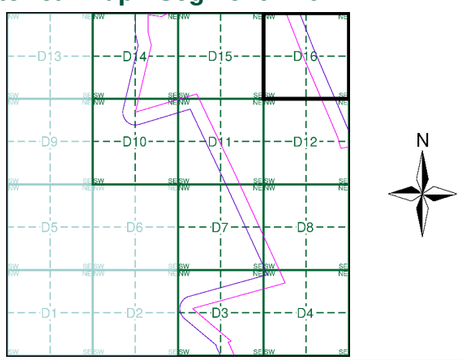
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979 - 1980	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment D16



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501730, 355030
Slice: D
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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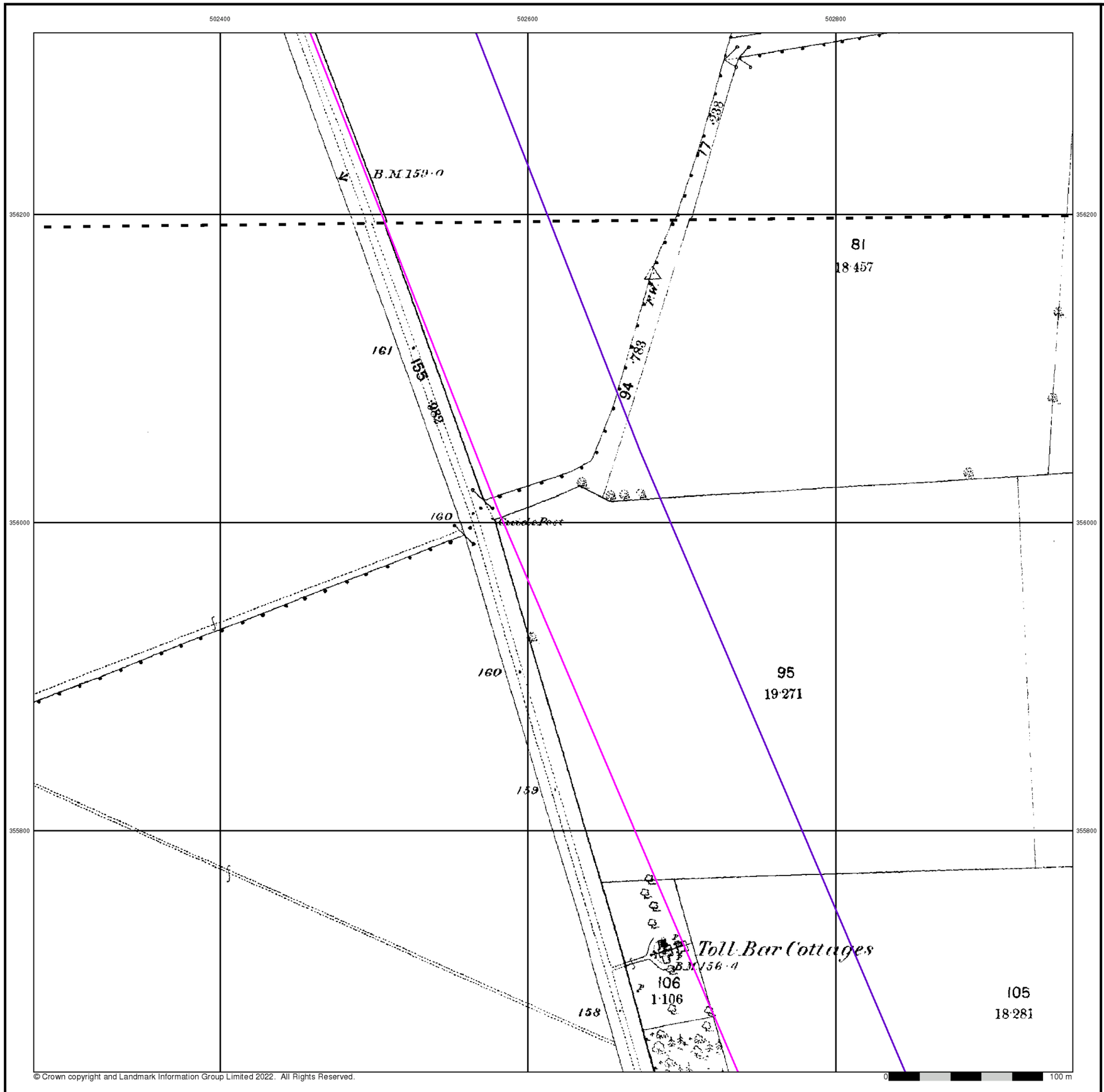
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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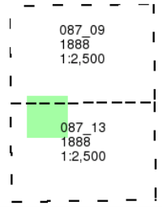
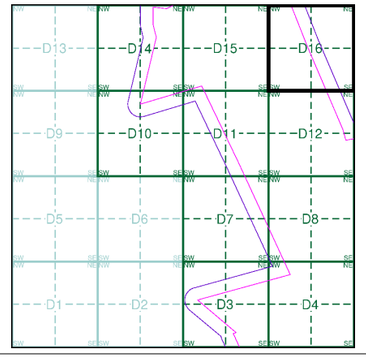
Map Name(s) and Date(s)



Historical Map - Segment D16



Order Details

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Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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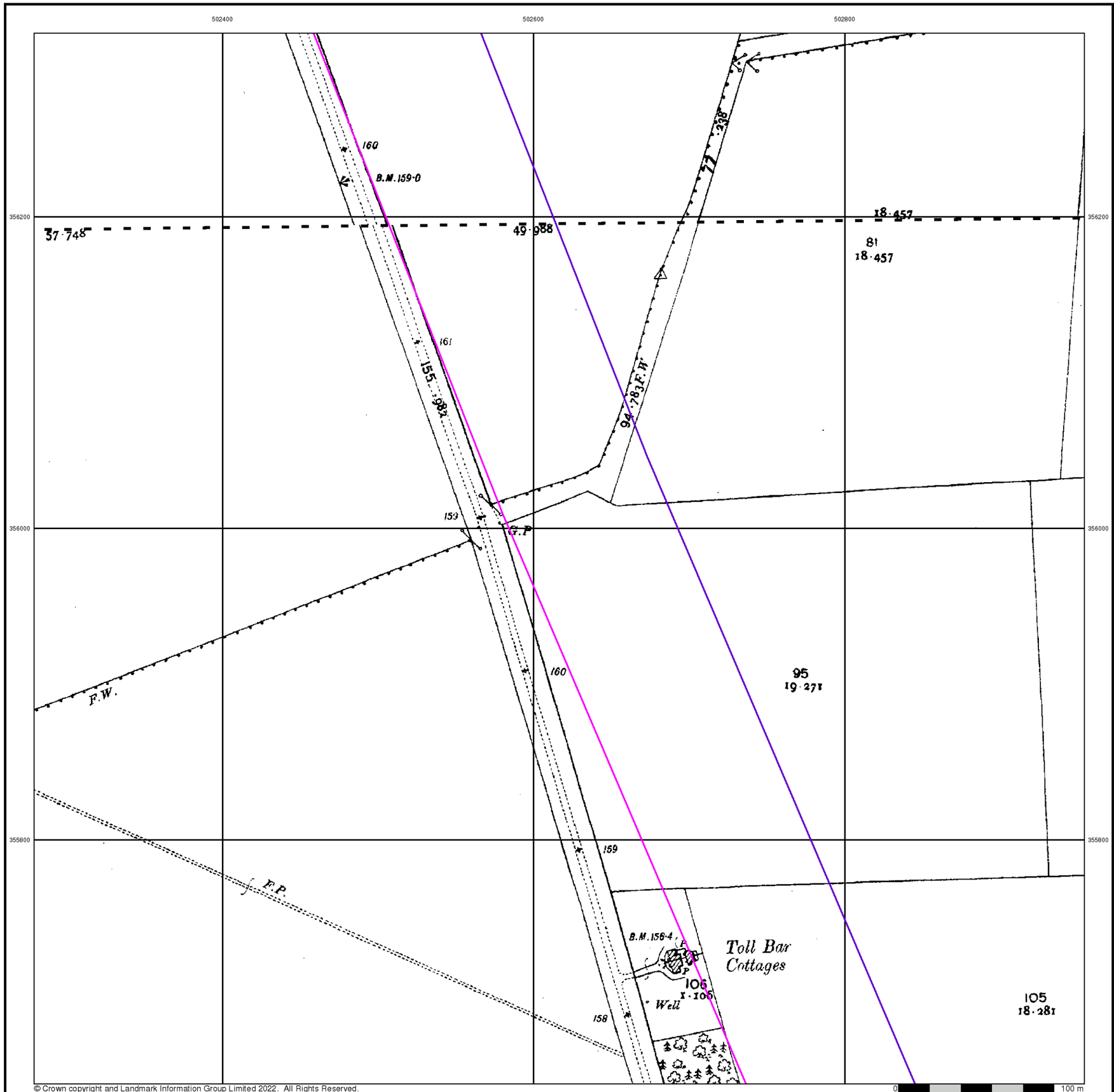

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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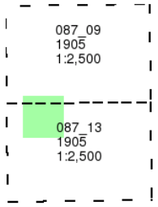
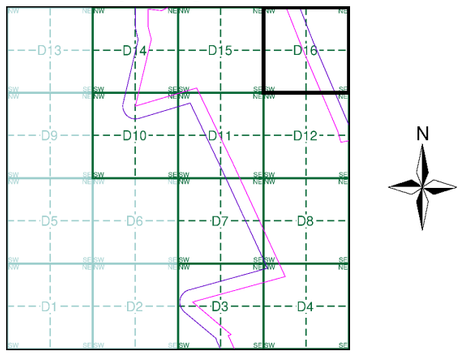
Map Name(s) and Date(s)



Historical Map - Segment D16



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
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Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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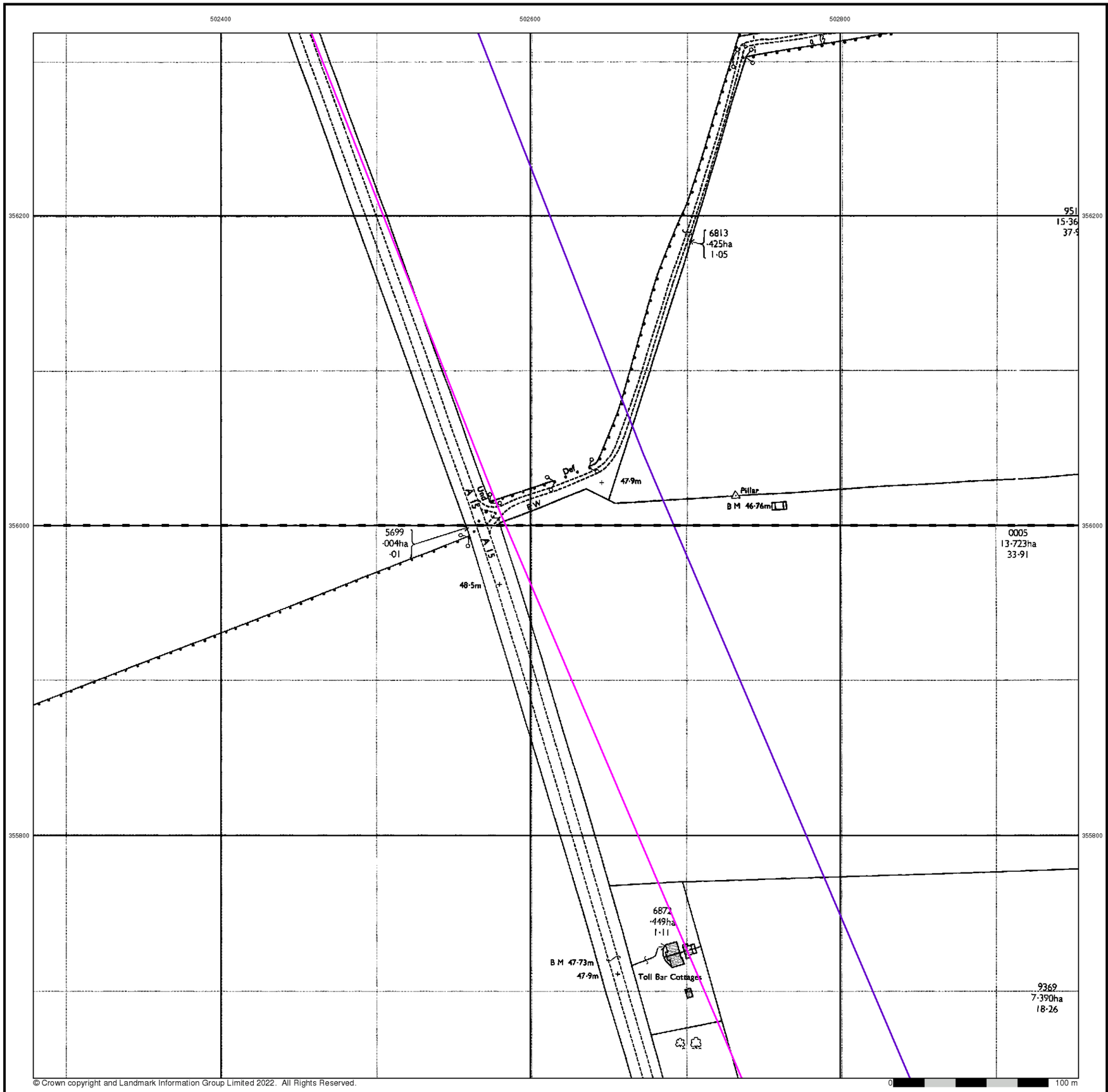

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Ordnance Survey Plan

Published 1979 - 1980

Source map scale - 1:2,500

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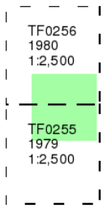
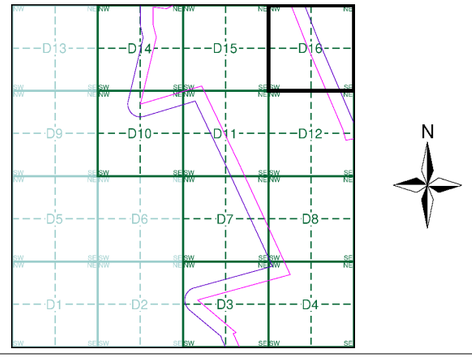
Map Name(s) and Date(s)



Historical Map - Segment D16



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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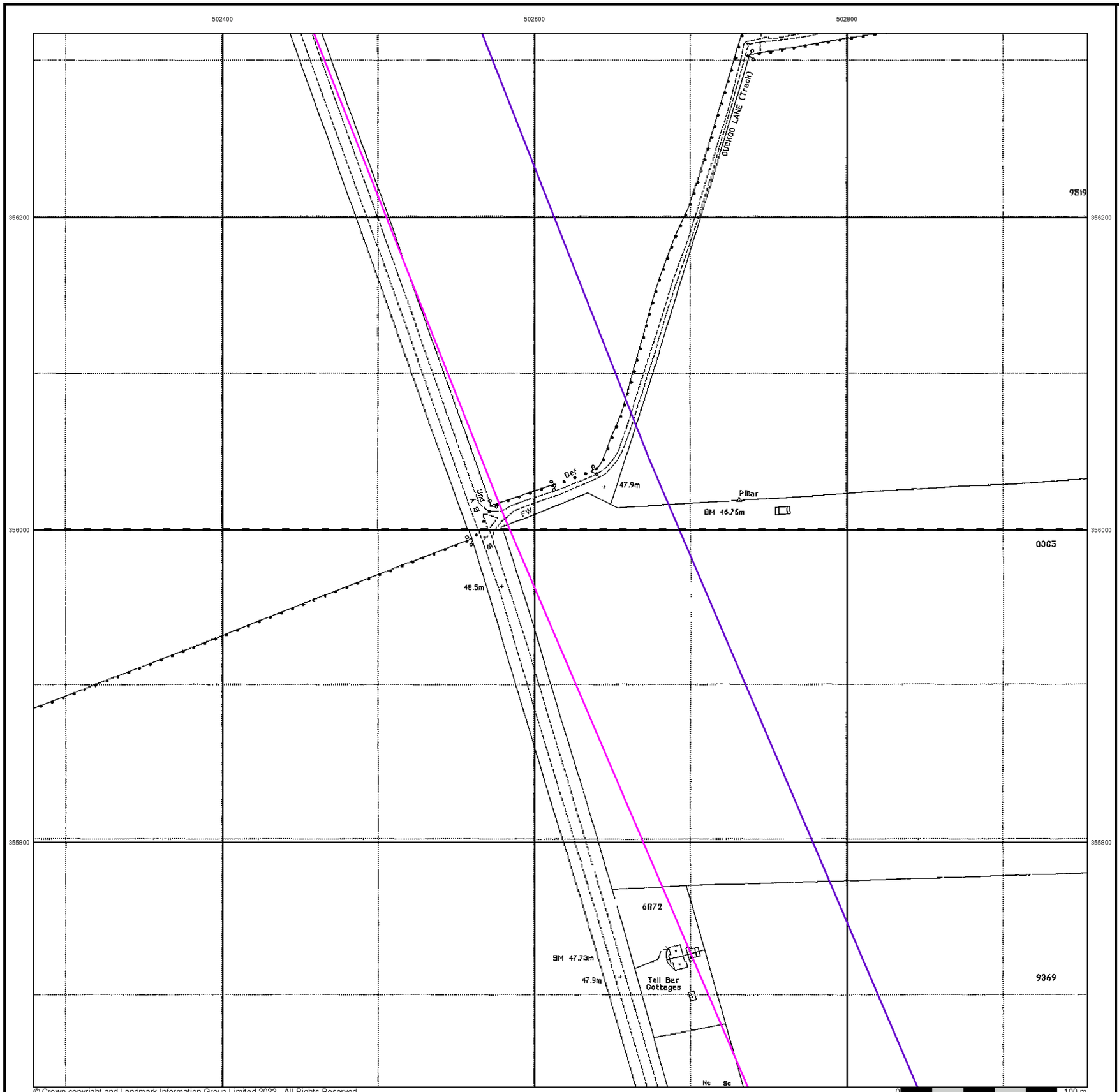
Web: www.envirocheck.co.uk



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RSK

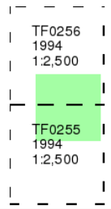
Large-Scale National Grid Data

Published 1994

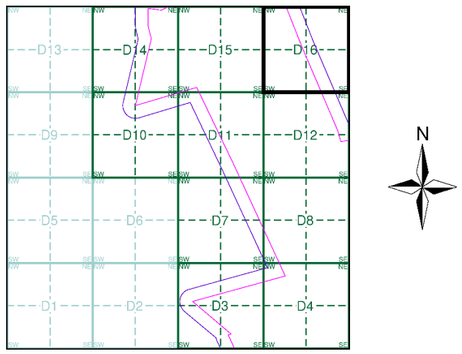
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment D16



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501730, 355030
Slice:	D
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX D5 ENVIRONMENTAL DATABASE REPORT – ZONE E

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
504300, 354970

Slice:
E

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	28
Hazardous Substances	-
Geological	29
Industrial Land Use	35
Sensitive Land Use	36
Data Currency	37
Data Suppliers	41
Useful Contacts	42

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 4	1	1	3	
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5	Yes			
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5	1			
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 5	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 21	22	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 22	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 23	Yes	n/a	n/a	n/a
Source Protection Zones	pg 23	1			
Extreme Flooding from Rivers or Sea without Defences	pg 23	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 23	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 23	19	3	9	5

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 28	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 29	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 29	3	2	1	
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 31	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 31	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 33	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 33	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 35		2		
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 36	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E5SE (SW)	0	1	503600 354500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	0	1	506200 356050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E7SE (SE)	0	1	504650 354500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	502800 353600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	502900 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E1NW (SW)	0	1	503250 354200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E5SE (SW)	0	1	503550 354450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E3NW (S)	0	1	504500 354250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	504400 353400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E3SW (S)	0	1	504350 353900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E12SE (E)	0	1	505450 355050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E12SW (E)	0	1	505000 355000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	504500 353500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	502550 353400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E1NW (SW)	0	1	503150 354100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E3NW (S)	0	1	504450 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E7SE (SE)	0	1	504850 354550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E7SW (S)	0	1	504550 354350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	E7NE (SE)	0	1	504750 354650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E16SW (NE)	0	1	505000 355850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E6NE (S)	0	1	504304 354968
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	502500 353850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E1NW (SW)	0	1	503200 354100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	502750 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	502600 353950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E5SW (SW)	0	1	503200 354450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E7SW (SE)	0	1	504600 354450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E7SE (SE)	0	1	504700 354450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	504950 353200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	502450 356550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E1NW (SW)	0	1	503200 354200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E1NW (SW)	0	1	503200 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E1NW (SW)	0	1	503250 354150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E7NW (S)	0	1	504350 354750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	502400 353950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E3NW (S)	0	1	504400 354000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	502700 354100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	502850 353750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E10SE (N)	0	1	504304 355000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	502700 354600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	502750 354550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E7SE (SE)	0	1	504700 354550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	6	1	505100 353300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	20	1	505150 356900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E8SW (SE)	24	1	505000 354500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E8SW (SE)	29	1	505000 354600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	E8NW (E)	30	1	505000 354750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	50	1	502450 356600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	56	1	505250 356900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	83	1	505200 356850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	90	1	502600 356650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	139	1	505000 353550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4SW (SE)	145	1	505050 353850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E8NW (E)	161	1	505000 354968
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	162	1	502550 356650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	208	1	505150 352900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E7NE (E)	208	1	504950 354968
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E8SW (SE)	225	1	505300 354500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E4SW (SE)	253	1	505150 353800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E4SW (SE)	263	1	505150 353750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E8NW (E)	280	1	505250 354800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E11SE (E)	308	1	504900 355050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E8NW (E)	329	1	505300 354650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	E8NW (E)	330	1	505300 354750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	E8SE (SE)	377	1	505350 354450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	403	1	502700 356850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	E4SE (SE)	463	1	505400 353800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	474	1	502750 356900
1	**Discharge Consents** Operator: Mr D H Cutmore Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Proposed Annex Glebe Farm, Ashby De La Launde, Lincoln Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lf928 Permit Version: 1 Effective Date: 26th October 1988 Issued Date: 26th October 1988 Revocation Date: 16th May 1997 Discharge Type: Unknown Discharge Environment: Land/Soakaway Receiving Water: Into Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	E15SE (NE)	0	2	504900 355900
2	**Discharge Consents** Operator: North Kesteven District Council Property Type: Domestic Property (Multiple) Location: 12 Houses Field Os.200, Ashby De La Launde, Lincoln, Ln4 3jq Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu31 Permit Version: 1 Effective Date: 10th February 1966 Issued Date: 10th February 1966 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Approximate location provided by supplier	E4NW (SE)	24	2	505000 354000
3	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ashby De La Launde Stw, Ashby De La Launde, Lincoln, Ln4 3jg Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff671 Permit Version: 2 Effective Date: 14th December 1984 Issued Date: 14th December 1984 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Springwell Brook River Witham **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Approximate location provided by supplier	E12SW (E)	310	2	505000 355000
3	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Ashby De La Launde Stw, Ashby De La Launde, Lincoln, Ln4 3jg Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff671 Permit Version: 1 Effective Date: 17th January 1968 Issued Date: 17th January 1968 Revocation Date: 13th December 1984 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Springwell Brook River Witham **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Approximate location provided by supplier	E12SW (E)	310	2	505000 355000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Sps Ashby De La Launde Main Street, Ashby De La Launde, Lincoln, Ln4 3jq Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff700 Permit Version: 1 Effective Date: 30th May 1968 Issued Date: 30th May 1968 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Springwell Beck **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	E12SW (E)	489	2	505281 355069
	Nearest Surface Water Feature	E7NE (SE)	0	-	504959 354691
5	**Water Abstractions** Operator: J P M Parker Licence Number: 4/30/09/*G/0082 Permit Version: 100 Location: J.P.M.Parker Borehole Rowston Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st July 1970 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	E16NE (NE)	0	2	505600 356300
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	505329 357000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E16NW (NE)	0	3	505052 356000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504425 353411
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504487 353506
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E3NW (S)	0	3	504424 354000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E3NW (S)	0	3	504470 354000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E2NE (S)	0	3	504304 354000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504000 352933
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504050 352937
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504235 353000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E7SE (SE)	0	3	504706 354514
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E7SW (SE)	0	3	504633 354543
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E12NE (E)	0	3	505354 355315
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E12NW (NE)	0	3	505000 355359

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504449 353000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E4NW (SE)	0	3	504991 353963
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504953 353358
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504000 352975

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504187 353000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504212 353048
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	505860 356291
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E12SW (E)	0	3	505242 355000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	3	506000 355643
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E16NE (NE)	0	3	505546 356000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	506156 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	503000 353000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504000 353000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504304 353000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504040 353000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504698 353000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E5NW (W)	0	3	503000 354968
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E6NE (W)	0	3	504000 354968
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E6NE (S)	0	3	504304 354968
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E6NE (S)	0	3	504295 354665

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E7SE (SE)	0	3	504723 354433
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E6NE (SW)	0	3	504000 354763
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E7SE (SE)	0	3	504752 354625
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E6NE (S)	0	3	504296 354788

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E7SE (SE)	0	3	504943 354578
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E13NW (NW)	0	3	503000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E14NE (N)	0	3	504000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E14NE (N)	0	3	504304 356000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E16NW (NE)	0	3	505249 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E16NW (NE)	0	3	505000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	506000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E1NW (SW)	0	3	503000 354000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E2NE (S)	0	3	504000 354000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E3NW (S)	0	3	504545 354000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E2NE (S)	0	3	504244 354000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	505000 353227

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E10SE (W)	0	3	504000 355000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E10SE (N)	0	3	504304 355000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E16NE (NE)	0	3	505640 355987
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E12SW (E)	0	3	505000 355000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E16SW (NE)	0	3	505000 355685
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E12SE (E)	0	3	505467 355058
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	506000 355956
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	3	506000 355000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	504304 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	505000 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	505462 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	506000 357000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	E9SW (W)	0	3	503000 355000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(SW)	0	3	503000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(S)	0	3	504000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(S)	0	3	504304 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E13NW (NW)	0	3	503000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E14NE (N)	0	3	504000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E14NE (N)	0	3	504304 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E16NW (NE)	0	3	505000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(NE)	0	3	506000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(N)	0	3	504304 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(N)	0	3	505000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(NE)	0	3	506000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E9SW (W)	0	3	503000 355000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E1NW (SW)	0	3	503000 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E2NE (S)	0	3	504000 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E2NE (S)	0	3	504304 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E10SE (W)	0	3	504000 355000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E10SE (N)	0	3	504304 355000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E12SW (E)	0	3	505000 355000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(E)	0	3	506000 355000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	E5NW (W)	0	3	503000 354968
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	E6NE (W)	0	3	504000 354968
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	E6NE (S)	0	3	504304 354968
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	E7SE (SE)	0	3	504706 354514
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	E12NE (E)	0	3	505354 355315
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(S)	0	3	504050 352937
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(S)	0	3	504487 353506
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	E11SE (E)	0	3	504776 355000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	E12NW (NE)	0	3	505000 355359
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	E12SW (E)	0	3	505242 355000
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	E4NW (SE)	0	3	504991 353963
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(S)	0	3	504953 353358
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	E6NE (S)	0	3	504304 354968
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	E7SE (SE)	0	3	504723 354433
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	E10SE (N)	0	3	504304 355000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	E12SW (E)	0	3	505000 355000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(S)	0	3	504425 353411
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(S)	0	3	505000 353227
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	E12SE (E)	0	3	505467 355058
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(NE)	0	3	505860 356291
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(S)	0	3	504212 353048

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	E6NE (S)	0	3	504296 354788
6	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	(S)	0	2	504179 353376
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	E7NW (S)	0	2	504352 354712
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	E7NW (S)	0	2	504351 354711
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
7	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 762.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	E7NE (SE)	0	4	504958 354689
8	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 519.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E7SW (S)	0	4	504455 354309
9	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E7SW (S)	0	4	504459 354314
10	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 489.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E7NE (SE)	0	4	504680 354678
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 262.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E7NE (SE)	0	4	504970 354687
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E7NE (SE)	0	4	504681 354685

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 278.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E7NE (SE)	0	4	504683 354687
14	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: Underground Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E7NE (SE)	0	4	504959 354688
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 168.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E7NW (SE)	0	4	504516 354701
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E7NE (SE)	0	4	504958 354689
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 256.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E7NW (S)	0	4	504333 354736
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E7NW (SE)	0	4	504505 354703
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 172.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E7NW (S)	0	4	504358 354719
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	E16SE (NE)	0	4	505611 355896
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	E16SE (NE)	0	4	505610 355900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E16SE (NE)	0	4	505606 355906
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 226.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E16SE (NE)	0	4	505608 355906
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E16SE (NE)	0	4	505550 355972
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 454.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	(NE)	0	4	505656 355772
26	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 31.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	E4NW (SE)	29	4	505005 353982
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 397.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	E4NW (SE)	60	4	505036 353985
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 145.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E12NE (E)	205	4	505489 355340
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 137.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E8NW (E)	255	4	505226 354653
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 142.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E8NW (E)	256	4	505226 354653

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 690.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E8SW (SE)	274	4	505260 354514
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: Underground Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E8SW (SE)	284	4	505255 354523
33	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E12NE (E)	297	4	505485 355335
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E11SE (NE)	343	4	504808 355249
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E11SE (NE)	368	4	504806 355241
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 73.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E11SE (NE)	375	4	504790 355171
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 112.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	E4NE (SE)	419	4	505395 354041
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 133.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E4NE (SE)	509	4	505501 354005
39	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E4SE (SE)	519	4	505484 353876

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 318.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E4SE (SE)	523	4	505486 353868
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 84.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	E4NE (SE)	525	4	505501 354005
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 85.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	E4NE (SE)	605	4	505580 354034

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	5	504304 354968
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	504304 354968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Inferior Oolite Group	E6NE (S)	0	1	504304 354968
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	E7NE (E)	0	1	504848 354859
43	**BGS Recorded Mineral Sites** Site Name: Springwell Plantation Gravel Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136006 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Sleaford Sand And Gravel Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	E7NW (S)	0	1	504306 354694
44	**BGS Recorded Mineral Sites** Site Name: Navenby Lane Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136053 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	E10NW (NW)	0	1	503636 355568
45	**BGS Recorded Mineral Sites** Site Name: Slate House Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136074 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	E1NW (SW)	0	1	502967 354237
46	**BGS Recorded Mineral Sites** Site Name: Springwell Plantation Gravel Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136005 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Sleaford Sand And Gravel Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	E7NW (SE)	12	1	504508 354719
47	**BGS Recorded Mineral Sites** Site Name: Peacock Lodge Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136075 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	E2SE (S)	45	1	504053 353708

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**BGS Recorded Mineral Sites** Site Name: Navenby Lane Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136052 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	E11NW (N)	280	1	504364 355441
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	6	1	505000 354968
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	6	1	505000 354968
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E6NE (SW)	0	1	504019 354673
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E7NE (E)	0	1	504672 354965
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E4NW (SE)	0	1	504991 353963
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505226 355000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12NW (NE)	0	1	505000 355359
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E16SW (NE)	0	1	505000 355685

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504296 354788
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504295 354665
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E6SW (SW)	0	1	503840 354595
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E12SE (E)	0	1	505467 355058
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E7SE (SE)	0	1	504746 354395
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E4SE (SE)	6	1	505638 353929
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E8SW (SE)	24	1	505000 354506
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	29	1	505000 354884
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	31	1	505222 354972
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E11SE (E)	49	1	504681 355000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E8SW (SE)	71	1	505042 354513
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	133	1	505000 354968
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E11SE (E)	195	1	504934 355000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	6	1	505000 354968
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504296 354788
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	6	1	505000 354968
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	29	1	505000 354749
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	151	1	505064 353835
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SE (E)	0	1	505467 355058
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505226 355000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E4NW (SE)	0	1	504991 353963
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E4SE (SE)	6	1	505638 353929
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E3SW (S)	8	1	504600 353796
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	24	1	505000 354968
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	31	1	505222 354972
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E13SW (NW)	0	1	503075 355951
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E14SE (N)	0	1	504050 355926
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E14SE (N)	0	1	504304 355926
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E16SW (NE)	0	1	505000 355926
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E16SW (NE)	0	1	505100 355926

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505275 355276
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E11NE (NE)	0	1	504950 355626
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E12NW (NE)	0	1	505000 355601
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E9SW (W)	0	1	503075 355001
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E5NW (W)	0	1	503075 354968
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E2SE (S)	0	1	504050 353626
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E7SE (SE)	0	1	504675 354601
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355001
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355001
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E13SW (NW)	0	1	503075 355951
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E14SE (N)	0	1	504050 355926
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E14SE (N)	0	1	504304 355926
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E16SW (NE)	0	1	505000 355926
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E16SW (NE)	0	1	505100 355926
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505275 355276

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E11NE (NE)	0	1	504950 355626
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E12NW (NE)	0	1	505000 355601
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E9SW (W)	0	1	503075 355001
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E5NW (W)	0	1	503075 354968
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E2SE (S)	0	1	504050 353626
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E7SE (SE)	0	1	504675 354601
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355001
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355001
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	**Contemporary Trade Directory Entries** Name: Ray Wright (Feeds) Ltd Location: Mount Farm, Ashby de la Launde, Lincoln, LN4 3JJ Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	E3SW (S)	42	-	504631 353758
50	**Contemporary Trade Directory Entries** Name: Wrinkle Free Laundry Location: 4, Kingfisher Court, Ashby de la Launde, Lincoln, LN4 3LL Classification: Ironing & Home Laundry Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	E16NW (NE)	45	-	505026 356286

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	E6NE (S)	0	3	504304 354968
52	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	E6NE (S)	0	3	504304 354968

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

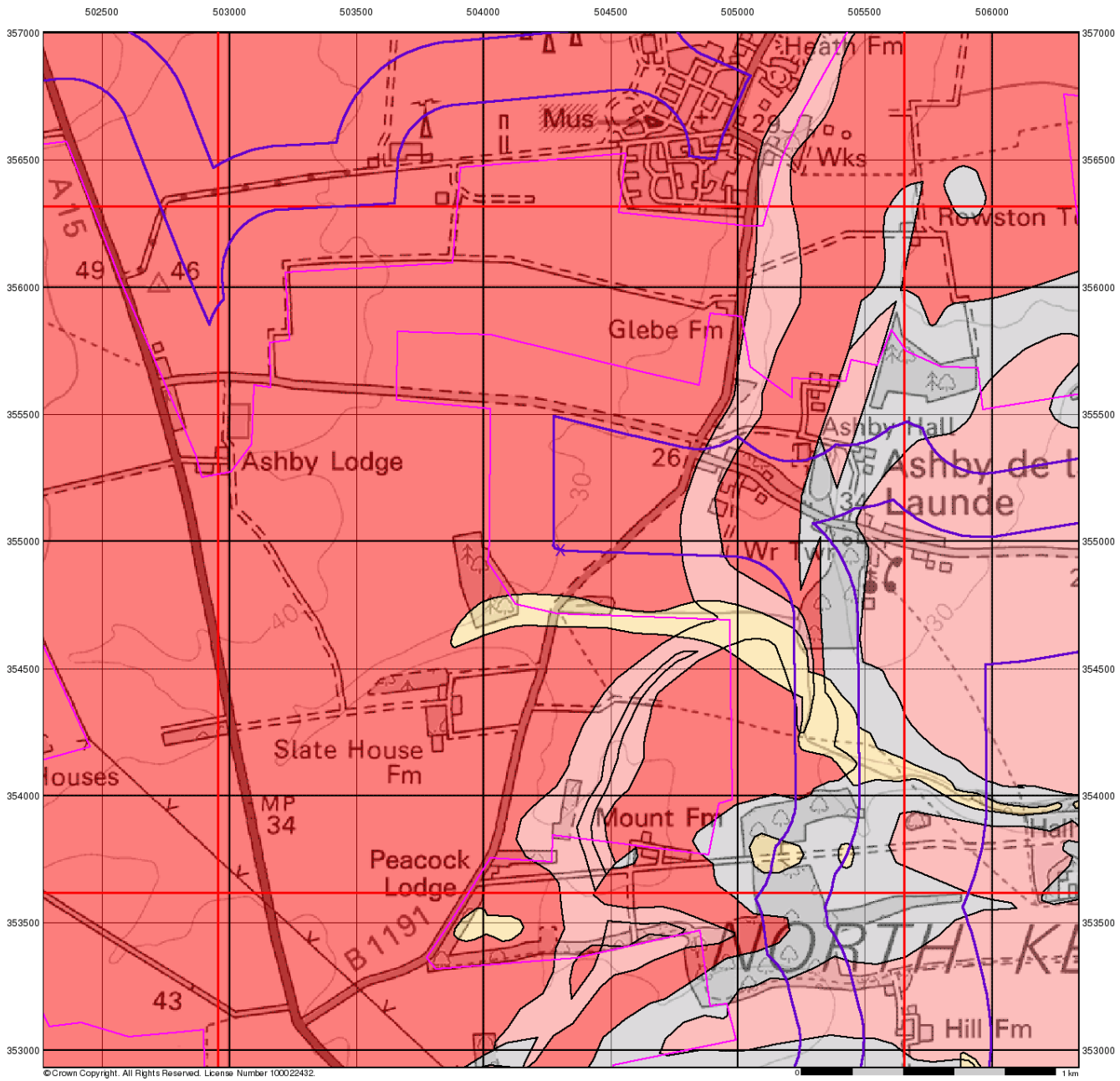
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

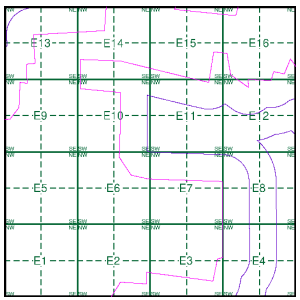
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice E



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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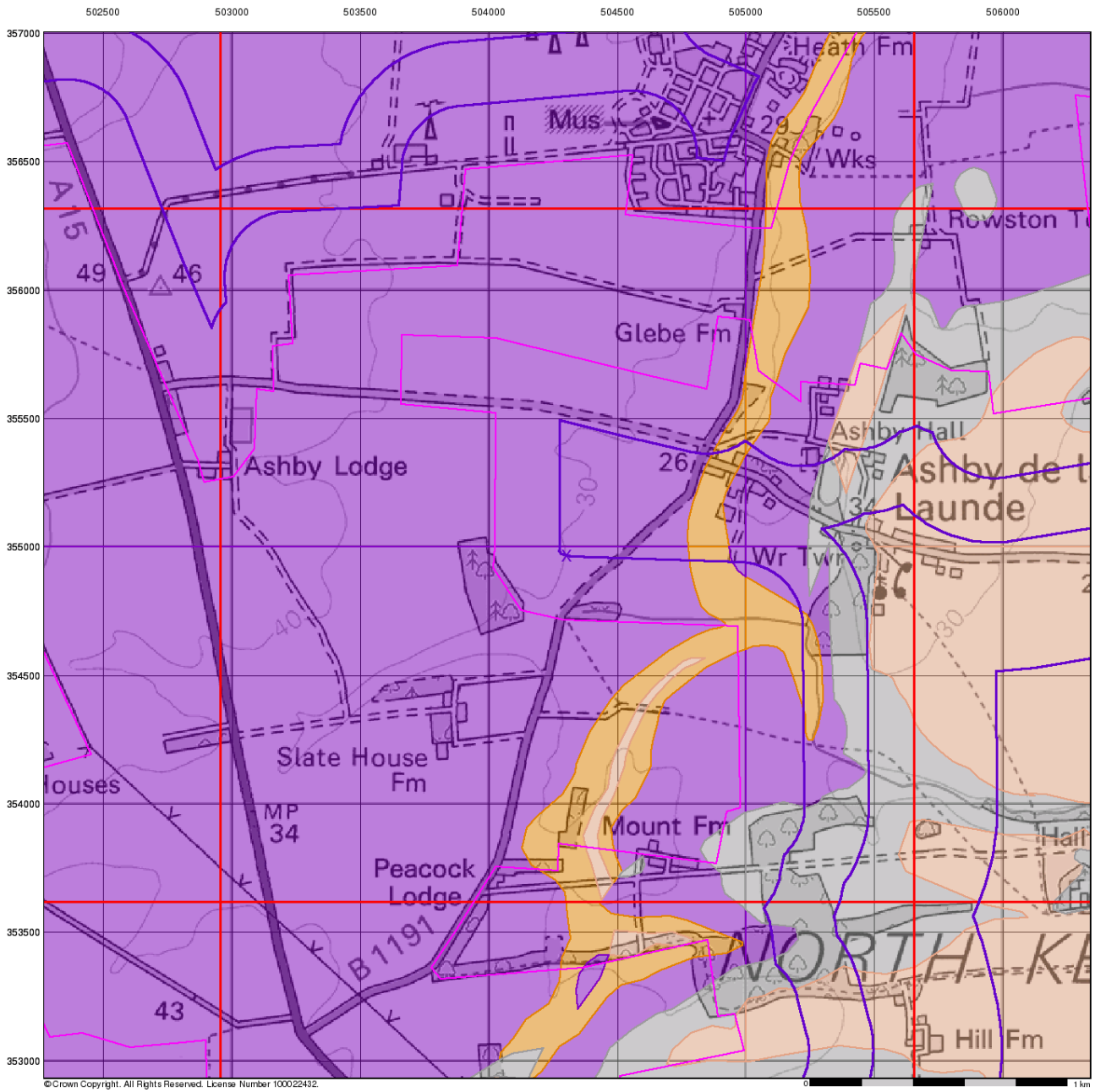


Bedrock Aquifer Designation

General

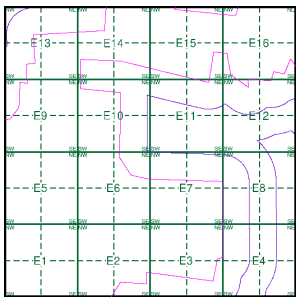
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice E



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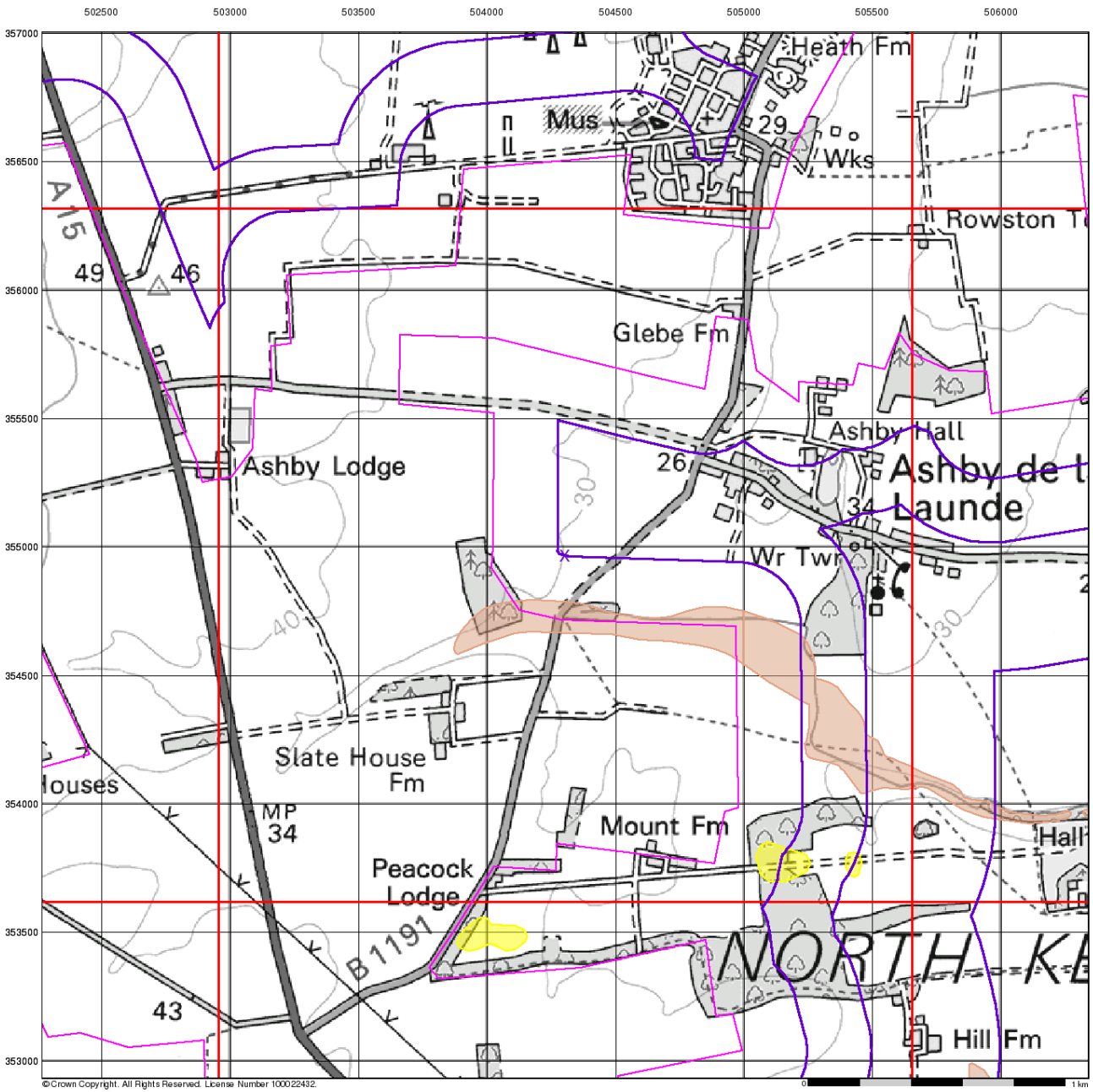


RSK

Superficial Aquifer Designation

General

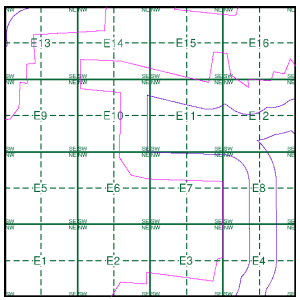
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice E



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All Areas New

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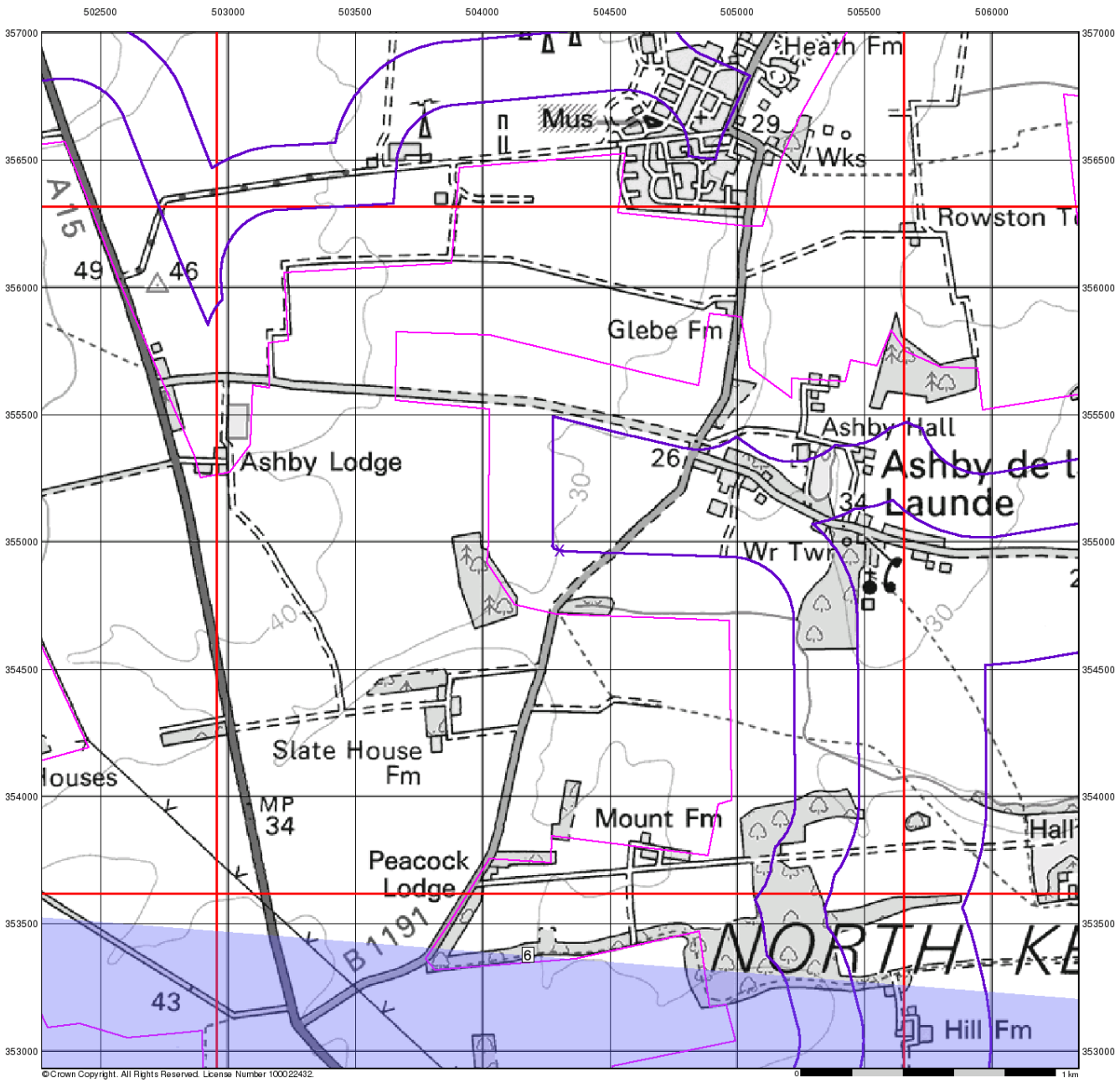


Source Protection Zones

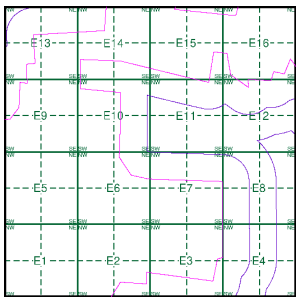
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice E



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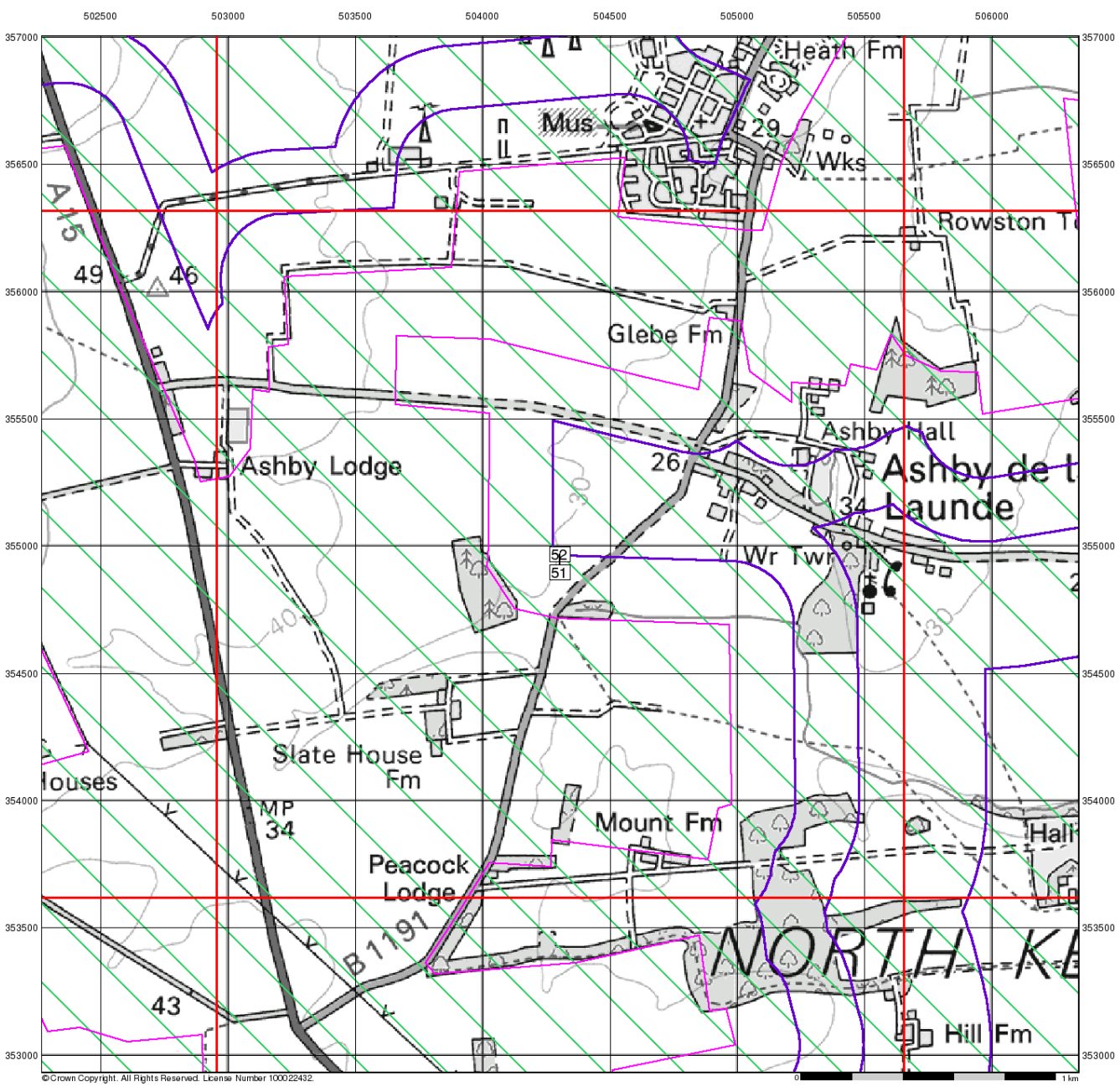


RSK

Sensitive Land Uses

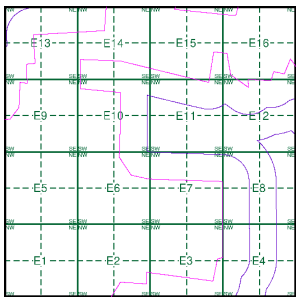
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice E



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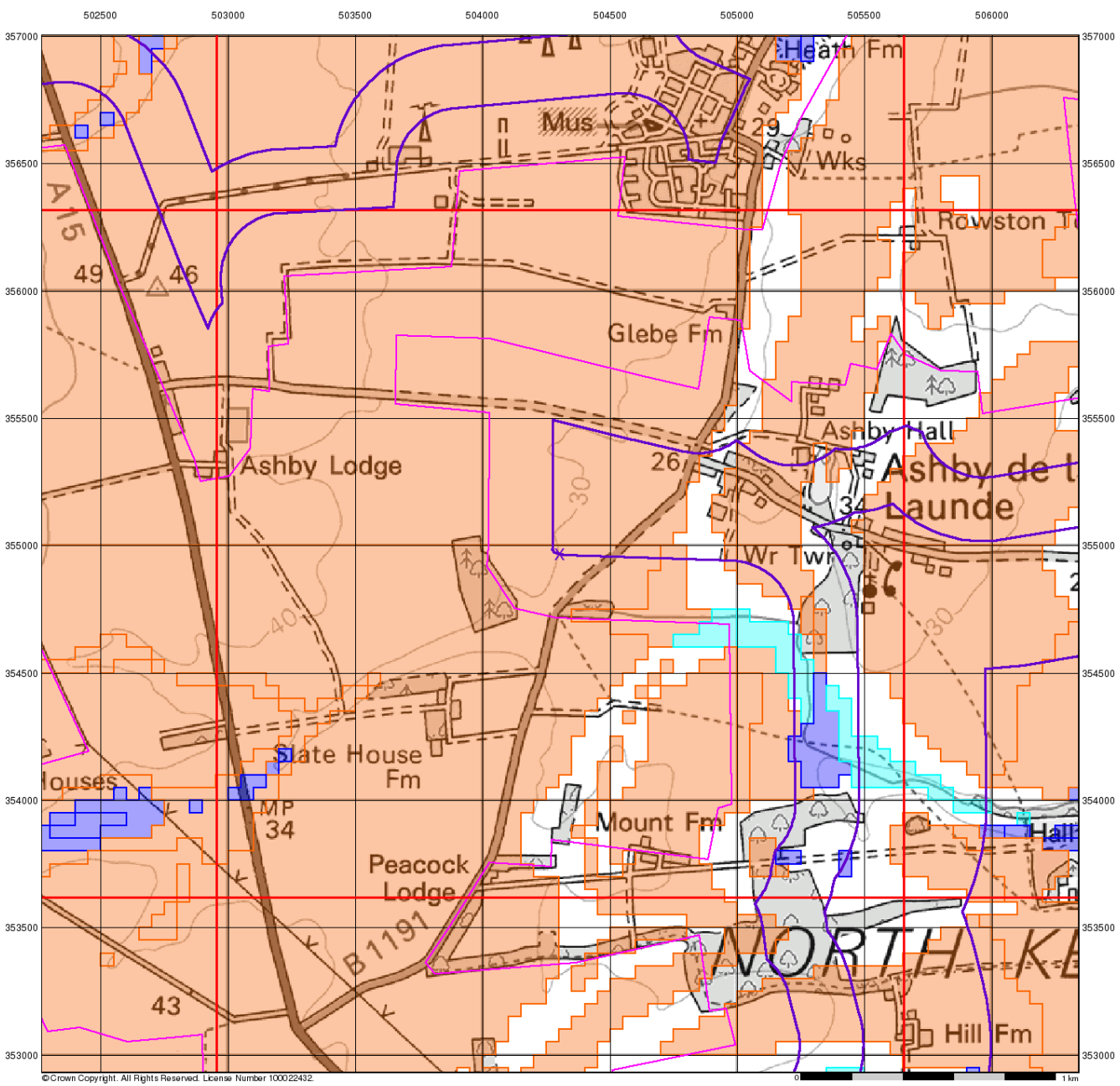


RSK

BGS Flood GFS Data

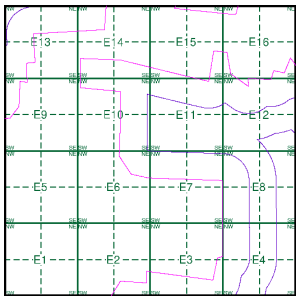
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice E



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Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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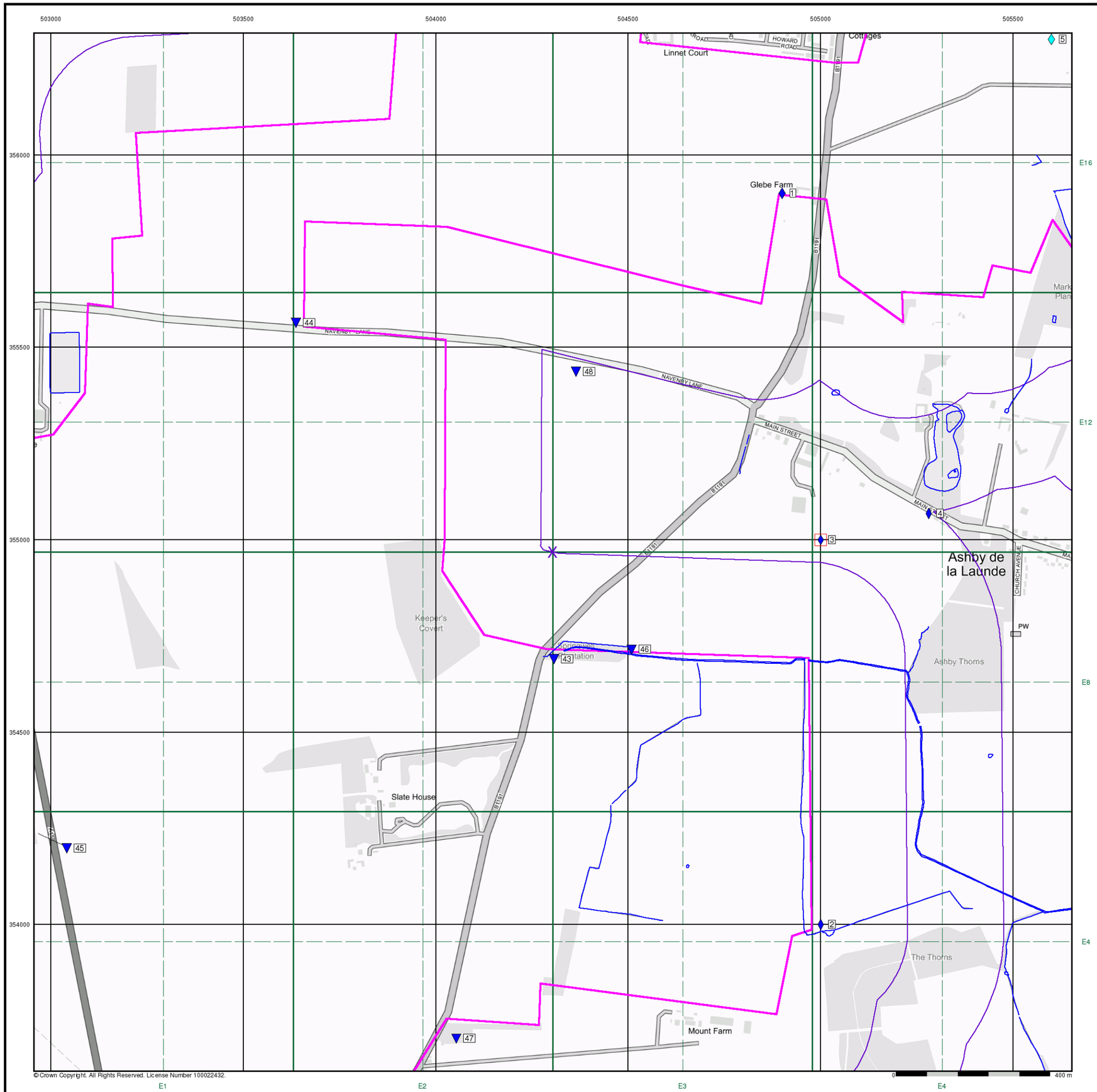


RSK

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

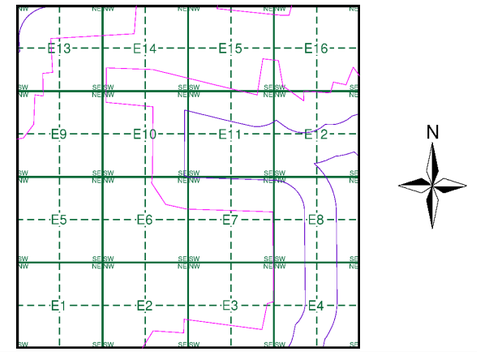
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice E



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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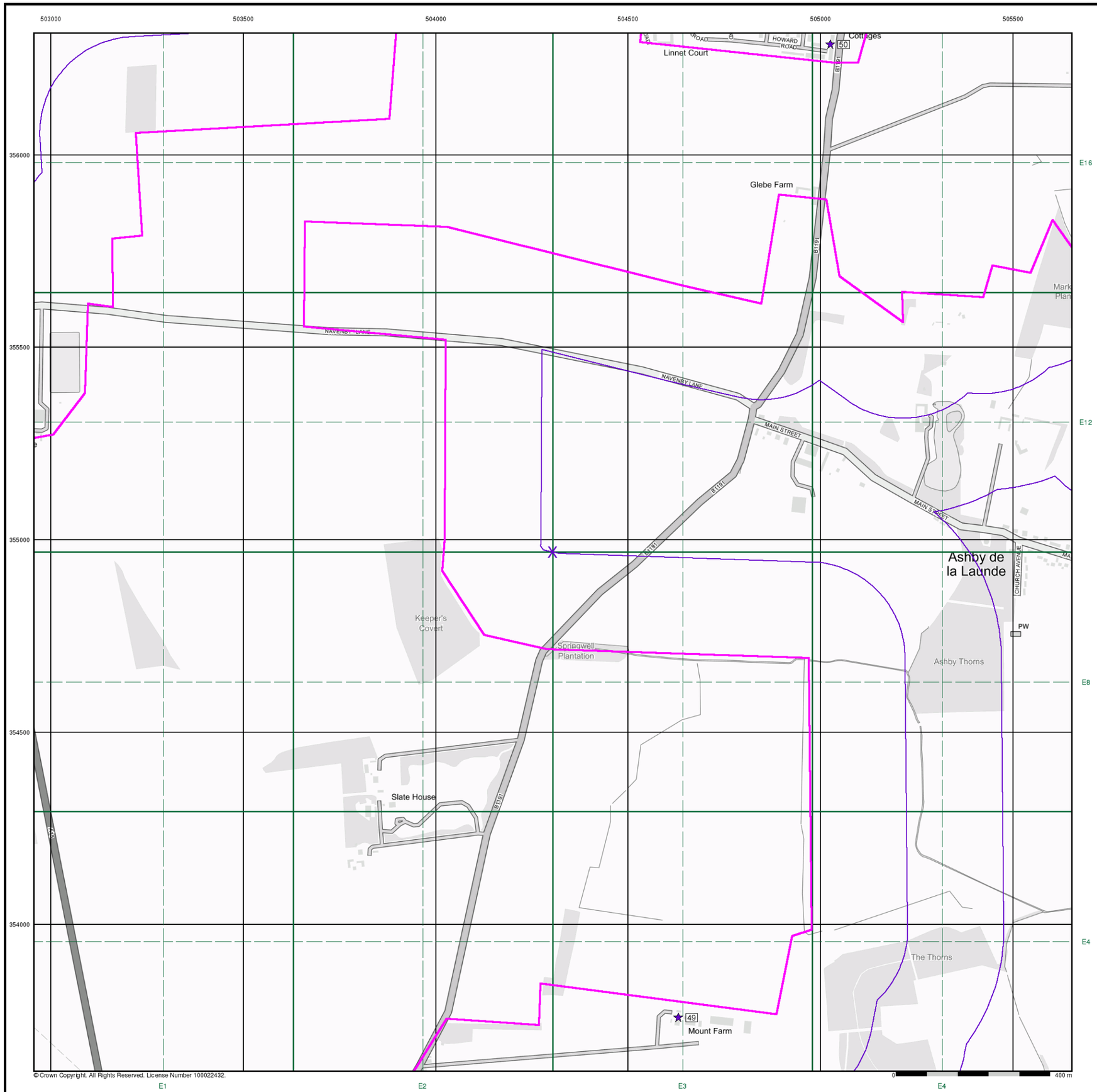

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Industrial Land Use Map

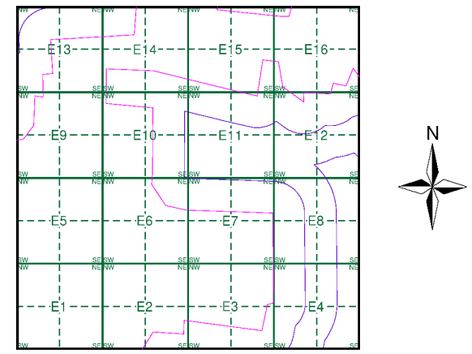
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice E



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Slice:	E
Site Area (Ha):	1774.17
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Site Details

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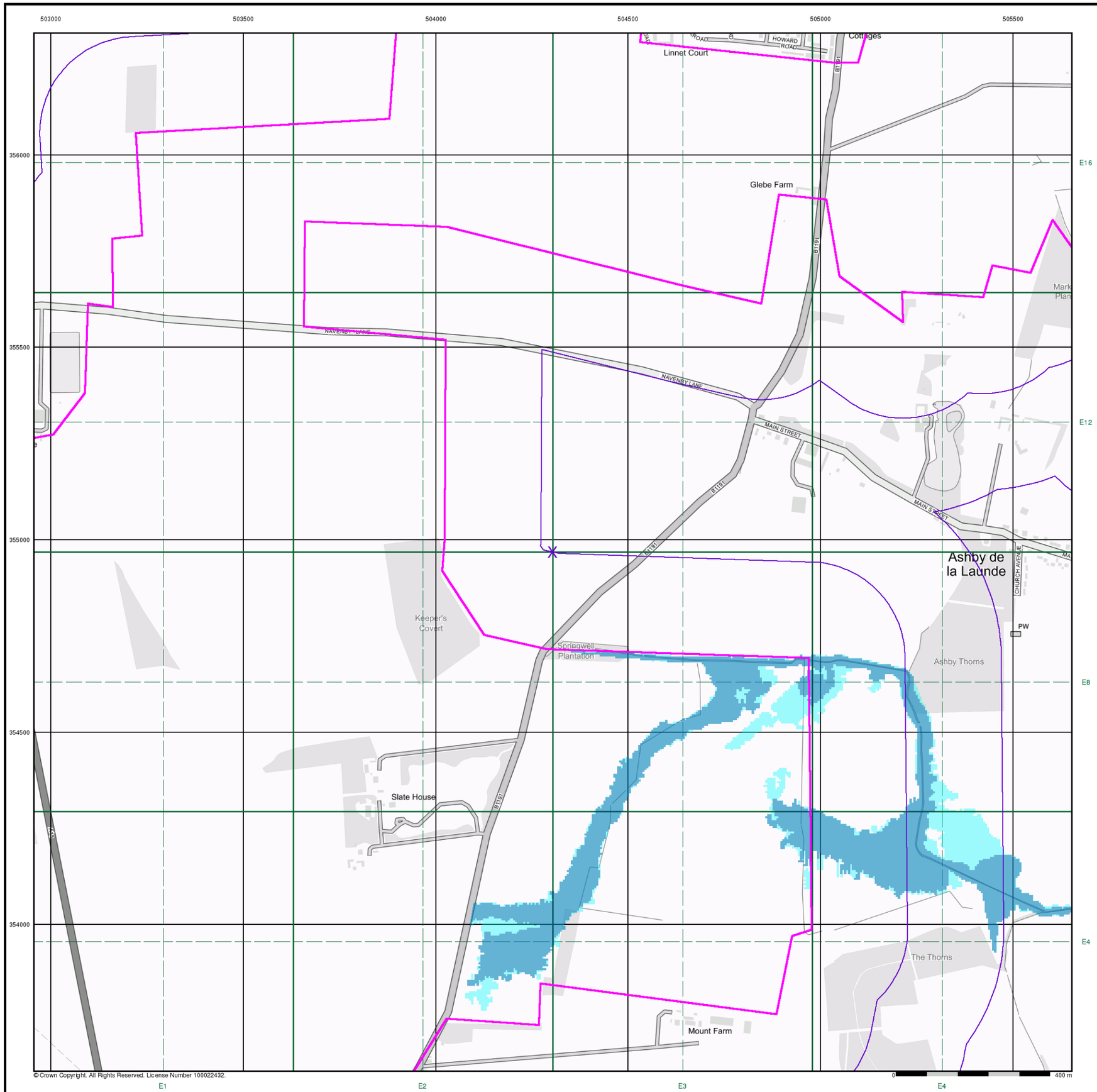

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RSK

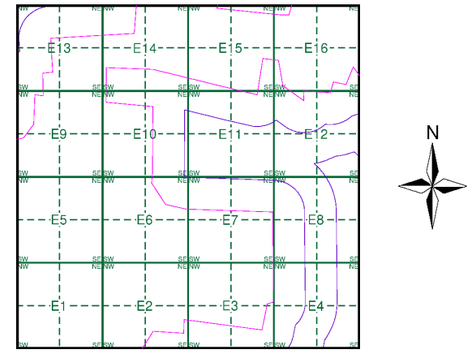
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice E



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Slice:	E
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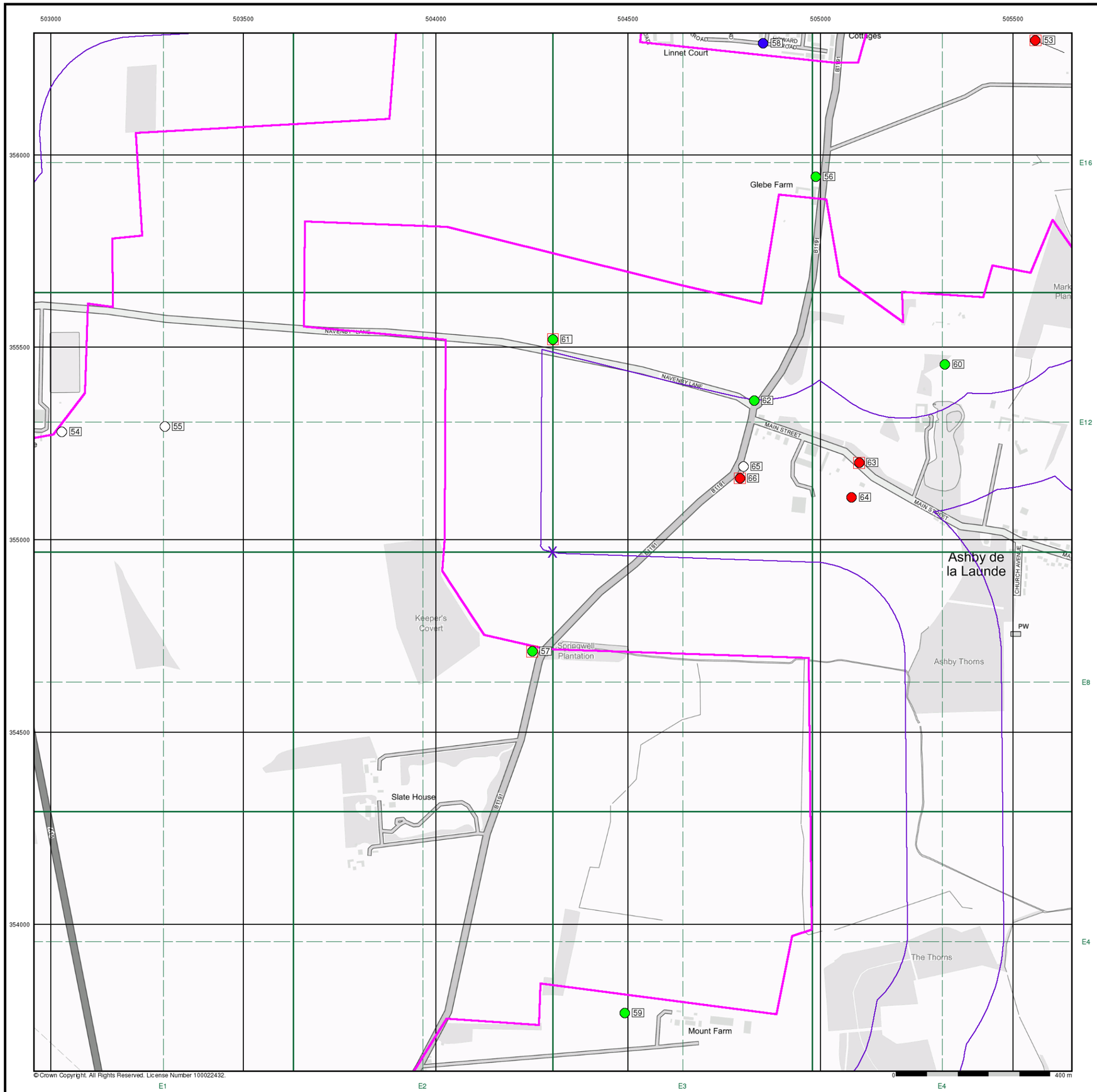


General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

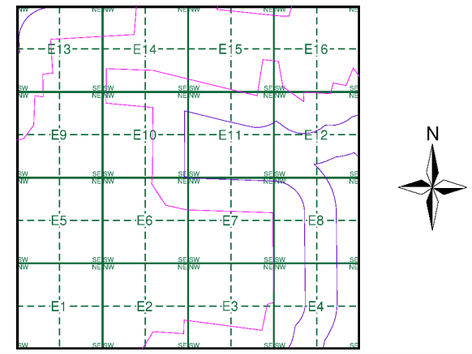
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice E



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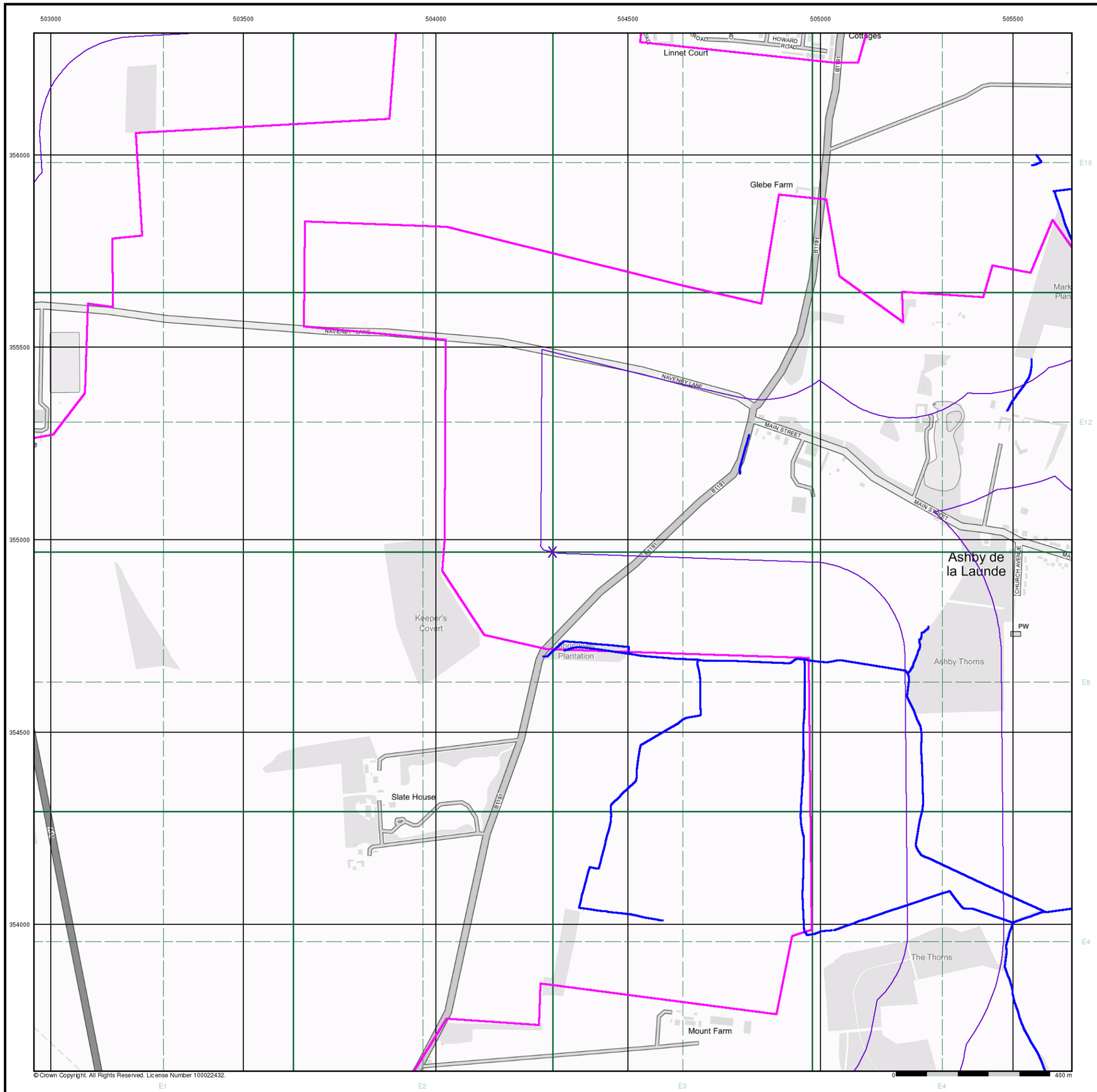

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RSK

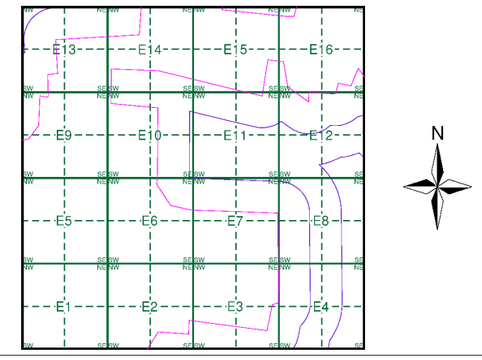
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice E



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Site Details

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Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
504300, 354970

Slice:
E

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
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Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	3
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	4
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	5
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	9
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	11
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1	3	2	1	
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
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Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 4	2			
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 4	4	1		
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Springwell Plantation Gravel Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136006 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Sleaford Sand And Gravel Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	E7NW (S)	0	1	504306 354694
2	**BGS Recorded Mineral Sites** Site Name: Navenby Lane Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136053 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	E10NW (NW)	0	1	503636 355568
3	**BGS Recorded Mineral Sites** Site Name: Slate House Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136074 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	E1NW (SW)	0	1	502967 354237
4	**BGS Recorded Mineral Sites** Site Name: Springwell Plantation Gravel Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136005 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Sleaford Sand And Gravel Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	E7NW (SE)	12	1	504508 354719
5	**BGS Recorded Mineral Sites** Site Name: Peacock Lodge Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136075 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	E2SE (S)	45	1	504053 353708
6	**BGS Recorded Mineral Sites** Site Name: Navenby Lane Stone Pit Location: Ashby De La Launde, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136052 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	E11NW (N)	280	1	504364 355441

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	E3NE (SE)	0	-	504654 354149
8	**Extractive Industries or Potential Excavations from 1950-1980** Use: Well First Map Published Date: 1979 Last Map Published Date: N/A	E10SE (W)	0	-	504002 355002
9	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	E3NE (SE)	0	-	504665 354267
10	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	E7NW (SE)	0	-	504455 354678
11	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	E4NW (SE)	28	-	505004 353984

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	E10NW (NW)	0	-	503633 355572
13	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	E1NW (SW)	0	-	502970 354281
14	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	E2SE (S)	13	-	504099 353735
15	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	E11NW (N)	256	-	504348 355418
16	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1891 - 1956	E7NW (SE)	0	-	504457 354723
17	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1891	E7NW (S)	0	-	504352 354691
18	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	E1NW (SW)	0	-	502971 354282
19	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	E10NW (NW)	0	-	503633 355572
20	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	E7NW (SE)	0	-	504457 354723
21	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	E7NW (S)	0	-	504352 354691
22	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	E2SE (S)	14	-	504098 353735

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
23	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
24	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
25	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
26	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	6	1	505000 354968
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	6	1	505000 354968
27	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	504381 356608
28	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
29	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
30	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E16SW (NE)	0	1	505000 355685
31	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
32	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504296 354788
33	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504295 354665
34	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E6SW (SW)	0	1	503840 354595
35	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E12SE (E)	0	1	505467 355058
36	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	504050 352937
37	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	504467 353416

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	505000 353227
39	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E7SE (SE)	0	1	504746 354395
40	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E4SE (SE)	6	1	505638 353929
41	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E8SW (SE)	24	1	505000 354506
42	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	E8SW (SE)	71	1	505042 354513
43	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	133	1	505000 354968
44	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	135	1	505000 353590
45	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E11SE (E)	195	1	504934 355000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E6NE (SW)	0	1	504019 354673
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E7NE (E)	0	1	504672 354965
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E4NW (SE)	0	1	504991 353963
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	504953 353358
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	505860 356291
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505226 355000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12NW (NE)	0	1	505000 355359
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	29	1	505000 354884
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	31	1	505222 354972
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	43	1	505000 352995
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E11SE (E)	49	1	504681 355000
46	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	505259 356848
47	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
49	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
50	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	6	1	505000 354968
51	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(SE)	222	1	505155 353280
52	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504296 354788
53	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	28	1	503991 353558
54	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	29	1	505000 354749
55	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	E4SW (SE)	151	1	505064 353835
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E8NW (E)	6	1	505000 354968
56	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	504212 353048
57	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(NE)	0	1	505860 356291
58	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505226 355000
59	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E4NW (SE)	0	1	504991 353963
60	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	504953 353358
61	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E3SW (S)	8	1	504600 353796
62	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	28	1	503991 353558
63	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	31	1	505222 354972
64	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(S)	43	1	505000 352995

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	505000 353227
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	0	1	505000 355000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E6NE (S)	0	1	504304 354968
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E10SE (N)	0	1	504304 355000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SE (E)	0	1	505467 355058
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E4SE (SE)	6	1	505638 353929
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	E12SW (E)	24	1	505000 354968
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SE)	135	1	505000 353590

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0253	1979
Ordnance Survey Plan	TF0254	1979
Ordnance Survey Plan	TF0254	1979
Ordnance Survey Plan	TF0254	1979
Ordnance Survey Plan	TF0255	1979
Ordnance Survey Plan	TF0255	1979
Ordnance Survey Plan	TF0353	1979
Ordnance Survey Plan	TF0353	1979
Ordnance Survey Plan	TF0354	1979
Ordnance Survey Plan	TF0354	1979
Ordnance Survey Plan	TF0354	1979
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Ordnance Survey Plan	TF0455	1979
Ordnance Survey Plan	TF0455	1979
Ordnance Survey Plan	TF0456	1979
Ordnance Survey Plan	TF0456	1979

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0456	1979
Ordnance Survey Plan	TF0553	1979
Ordnance Survey Plan	TF0554	1979
Ordnance Survey Plan	TF0554	1979
Ordnance Survey Plan	TF0554	1979
Ordnance Survey Plan	TF0555	1979
Ordnance Survey Plan	TF0555	1979
Ordnance Survey Plan	TF0556	1979
Ordnance Survey Plan	TF0256	1980
Ordnance Survey Plan	TF0356	1980
Ordnance Survey Plan	TF0356	1980

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	087_SW	1891
Lincolnshire	097_NW	1891
Lincolnshire	087_SW	1906
Lincolnshire	097_NW	1906
Lincolnshire	097_NW	1950
Lincolnshire	087_SW	1951
Ordnance Survey Plan	TF05NE	1956
Ordnance Survey Plan	TF05NW	1956
Ordnance Survey Plan	TF05SE	1956
Ordnance Survey Plan	TF05SW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF05NE	1985
Ordnance Survey Plan	TF05NW	1985
Ordnance Survey Plan	TF05SE	1985
Ordnance Survey Plan	TF05SW	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

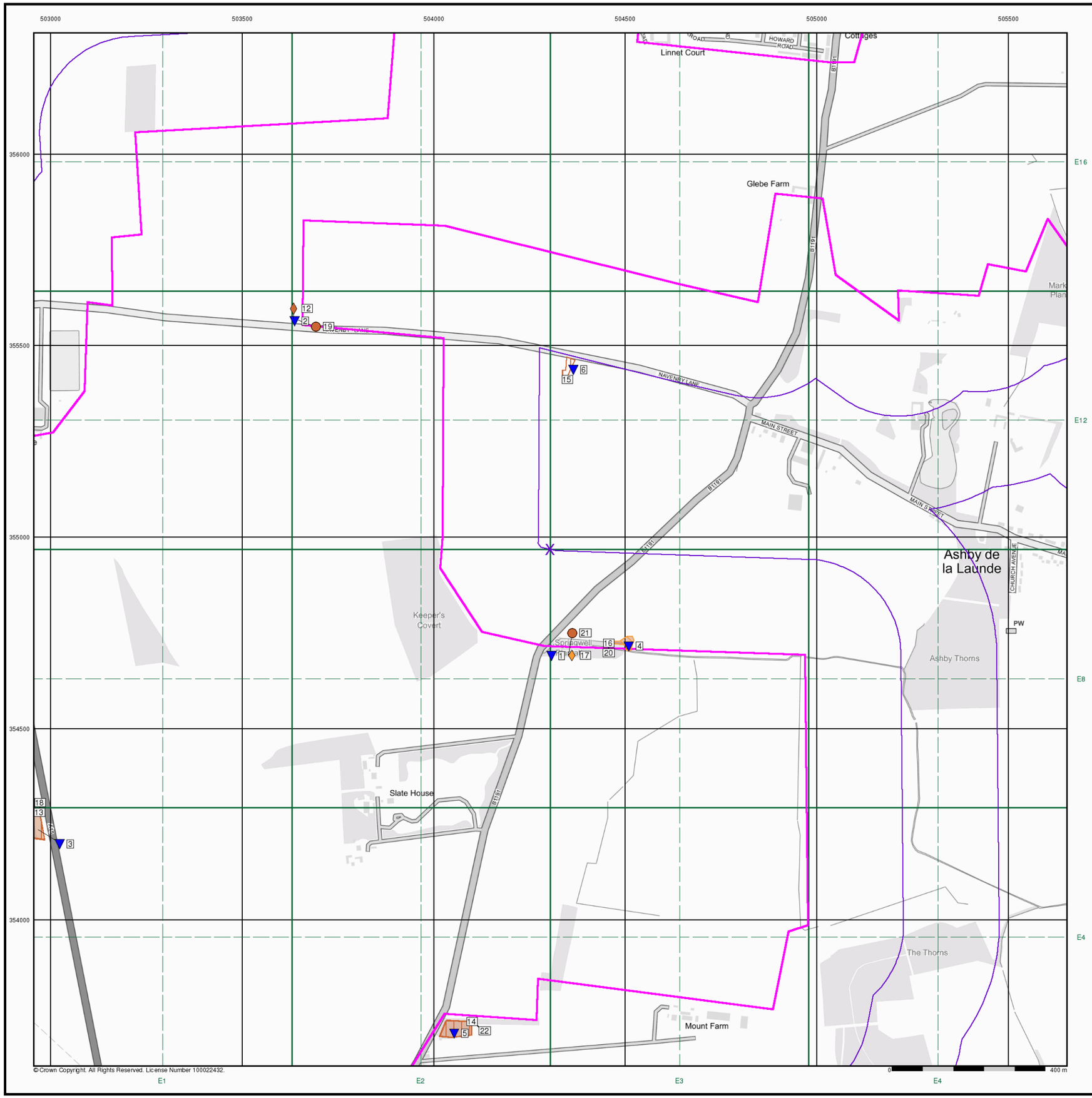
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆	—	▨
Disturbed Ground	◆	—	▨
General Quarrying	◆	—	▨
Heap, unknown constituents	◆	—	▨
Mineral Railway	◆	—	▨
Mining and Quarrying General	◆	—	▨
Mining of Coal & Lignite	◆	—	▨
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆	—	▨

Historical Land Use

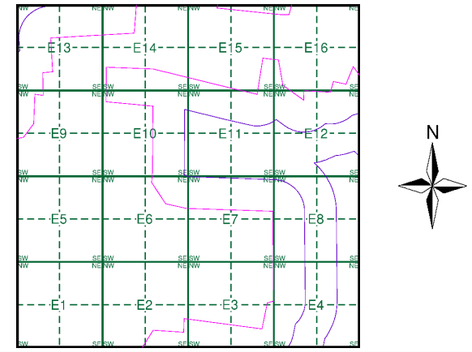
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●	- - -	■
Potentially Infilled Land (Water)	●	- - -	■
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice E



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy.
County Borough Boundary (England)
Co. Burgh Bdy.
County Burgh Boundary (Scotland)
R.D. Bdy.
Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Sloping Masonry
Pylon
Electricity Transmission Line
Pole
Cutting
Embankment
Standard Gauge Multiple Track
Standard Gauge Single Track
Road Under
Road Over
Level Crossing
Foot Bridge
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

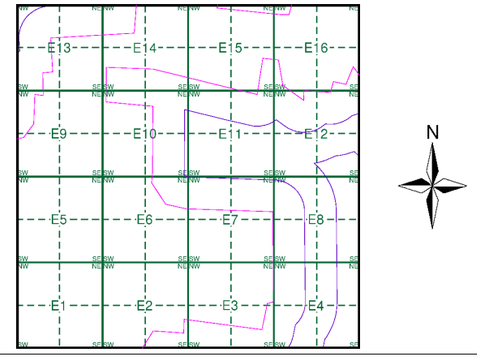
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1950 - 1951	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1985	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice E



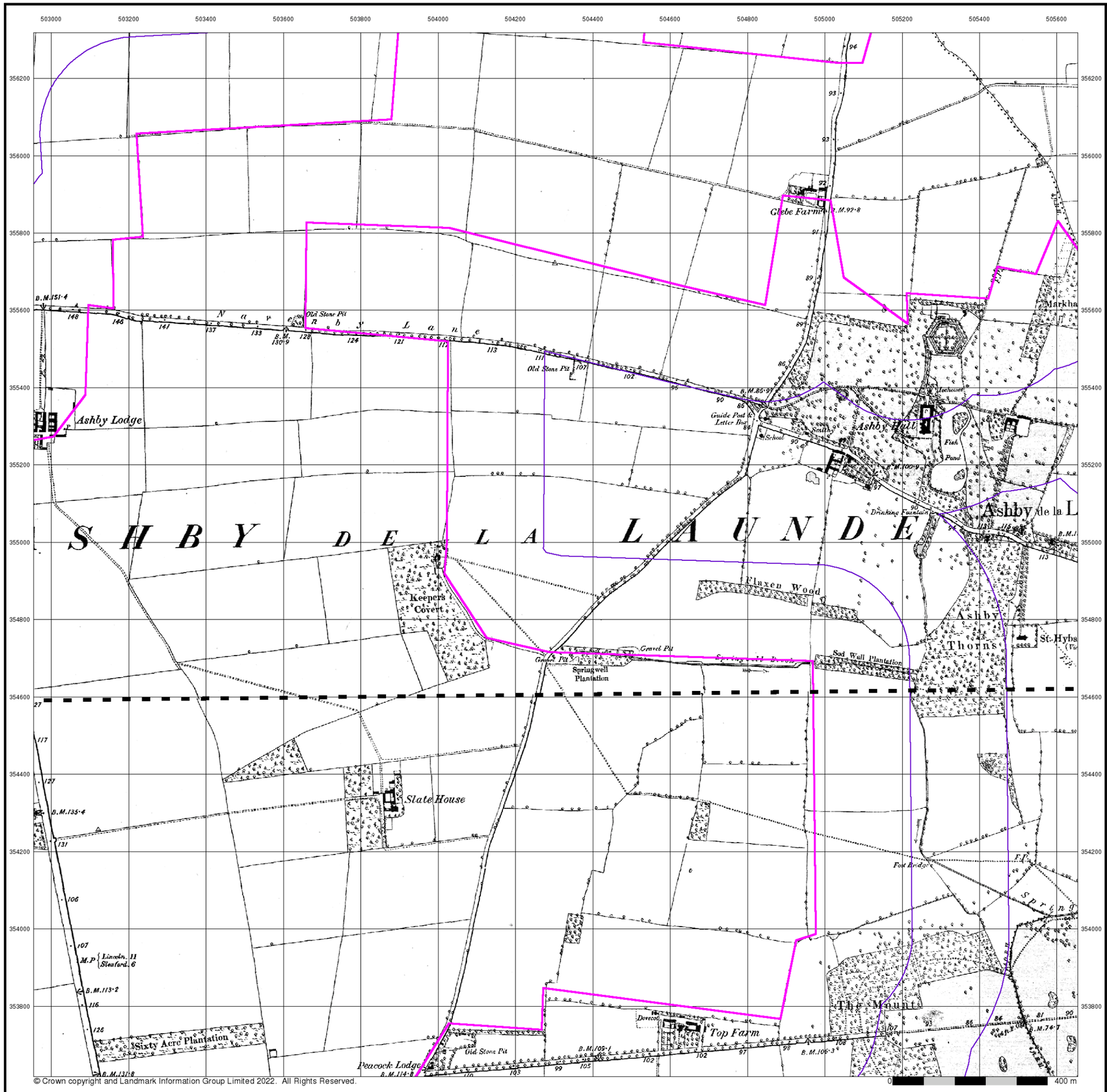
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1887

Source map scale - 1:10,560

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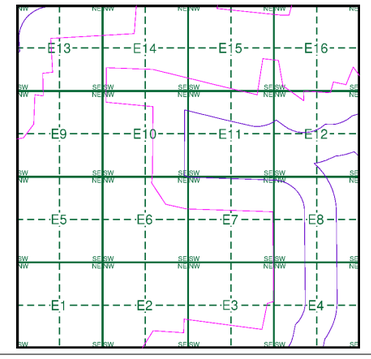
Map Name(s) and Date(s)

087SW
1887
1:10,560

097NW
1887
1:10,560

Historical Map - Slice E



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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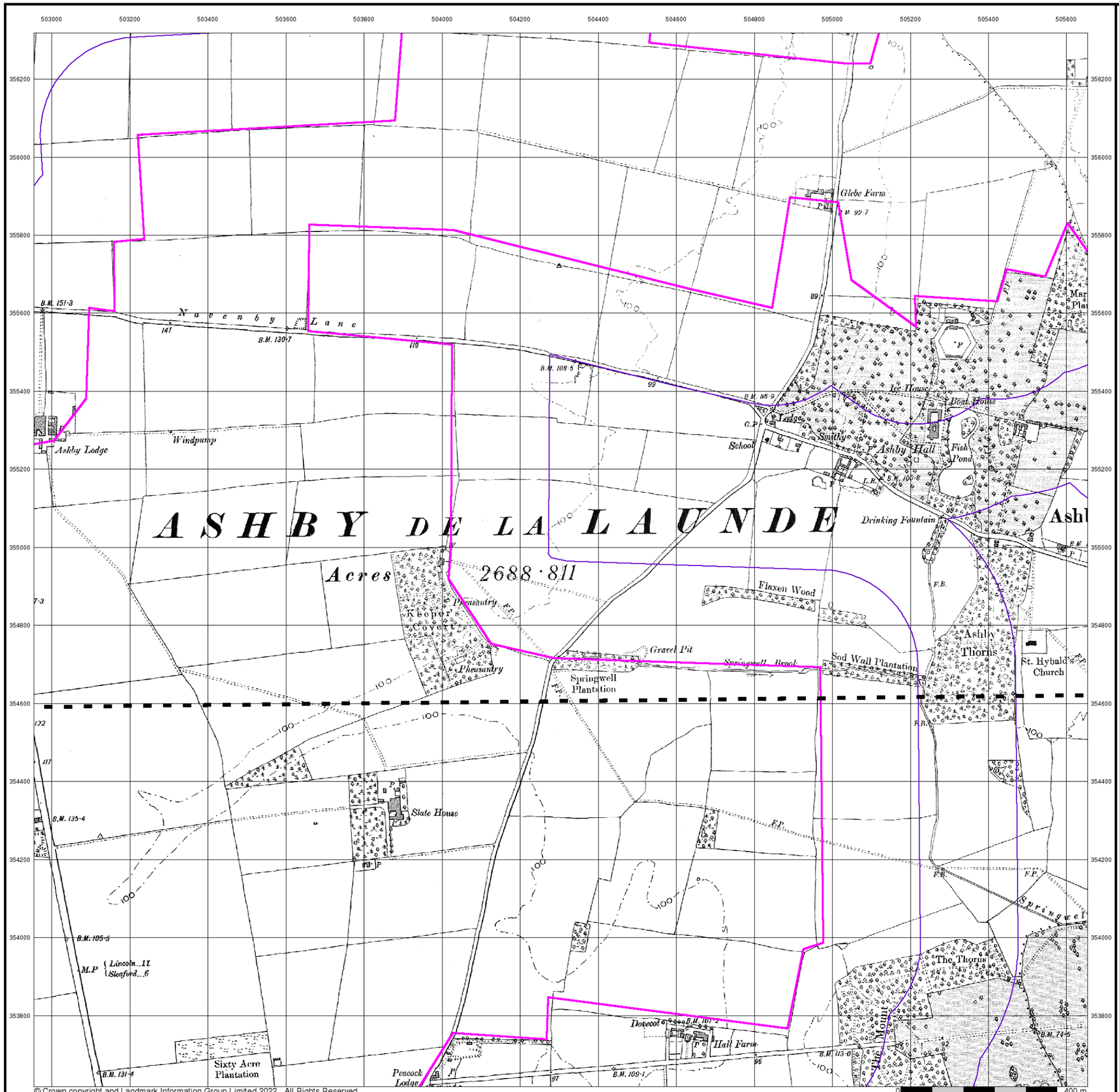

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RSK

Lincolnshire

Published 1906

Source map scale - 1:10,560

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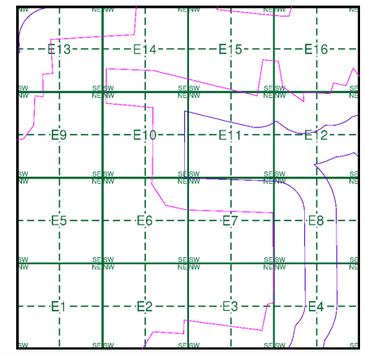
Map Name(s) and Date(s)

087SW
1906
1:10,560

097NW
1906
1:10,560

Historical Map - Slice E



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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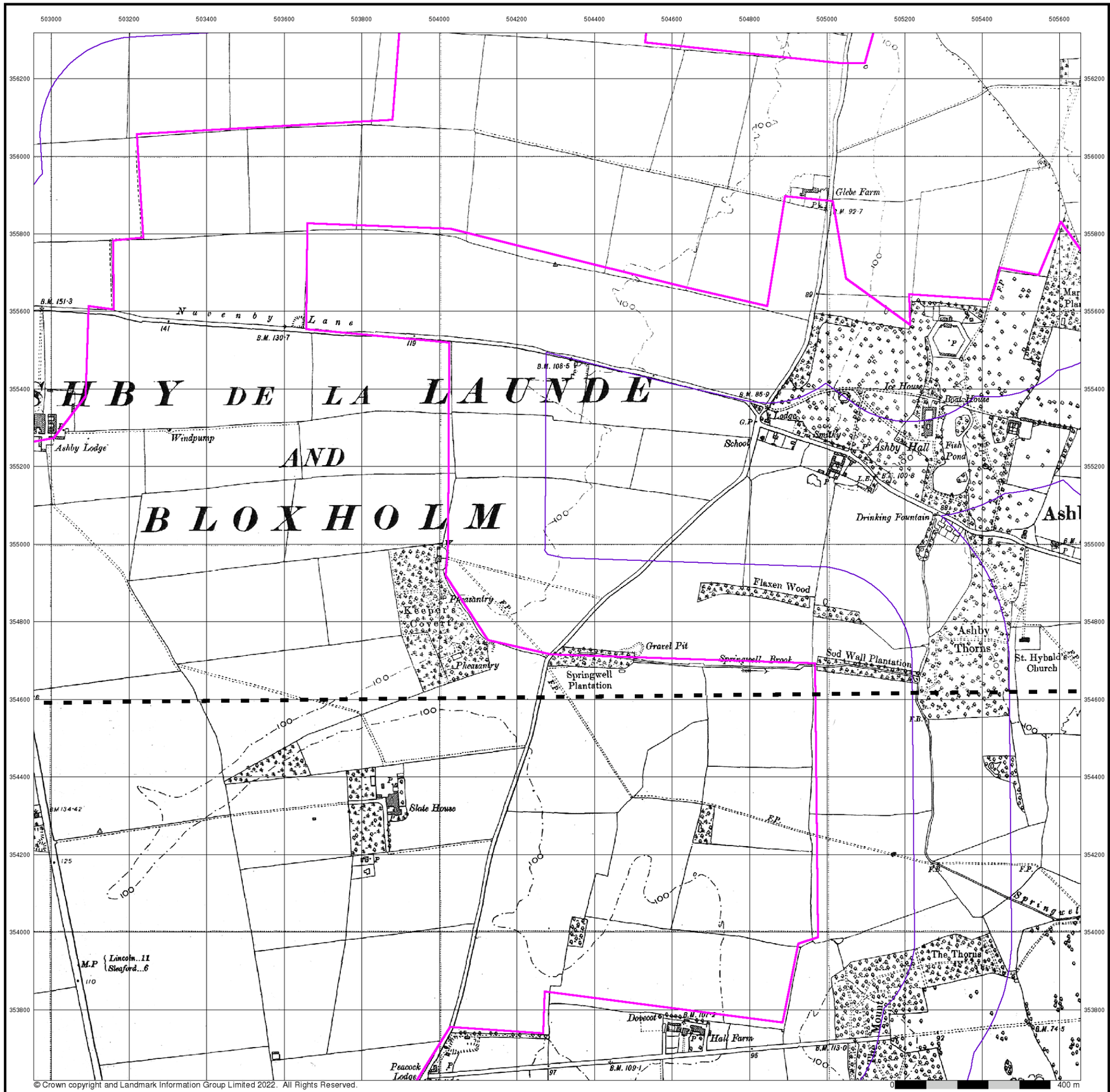
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1950 - 1951

Source map scale - 1:10,560

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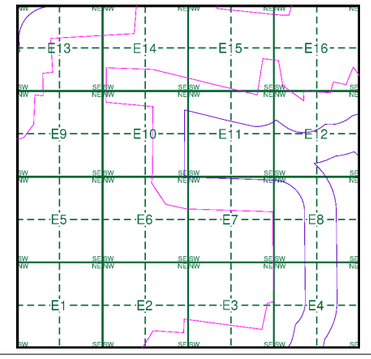
Map Name(s) and Date(s)

087SW
1951
1:10,560

097NW
1950
1:10,560

Historical Map - Slice E



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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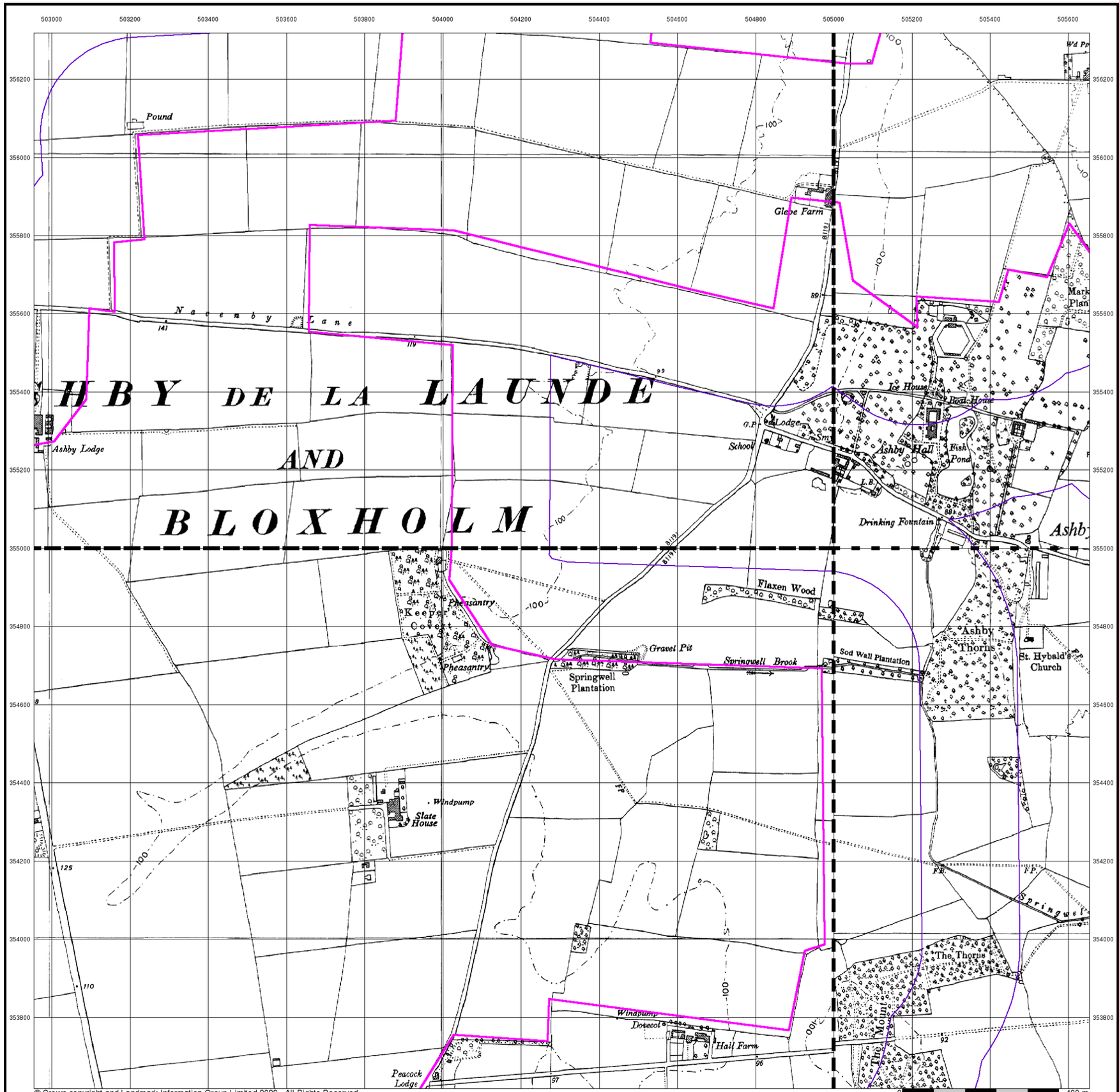

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Ordnance Survey Plan

Published 1956

Source map scale - 1:10,000

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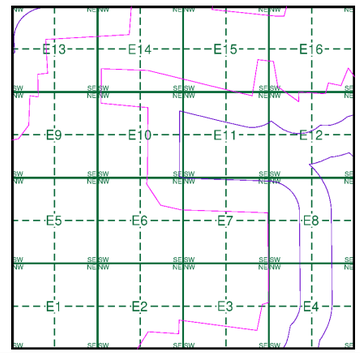
Map Name(s) and Date(s)

TF05NW 1956 1:10,560	TF05NE 1956 1:10,560
TF05SW 1956 1:10,560	TF05SE 1956 1:10,560

Historical Map - Slice E



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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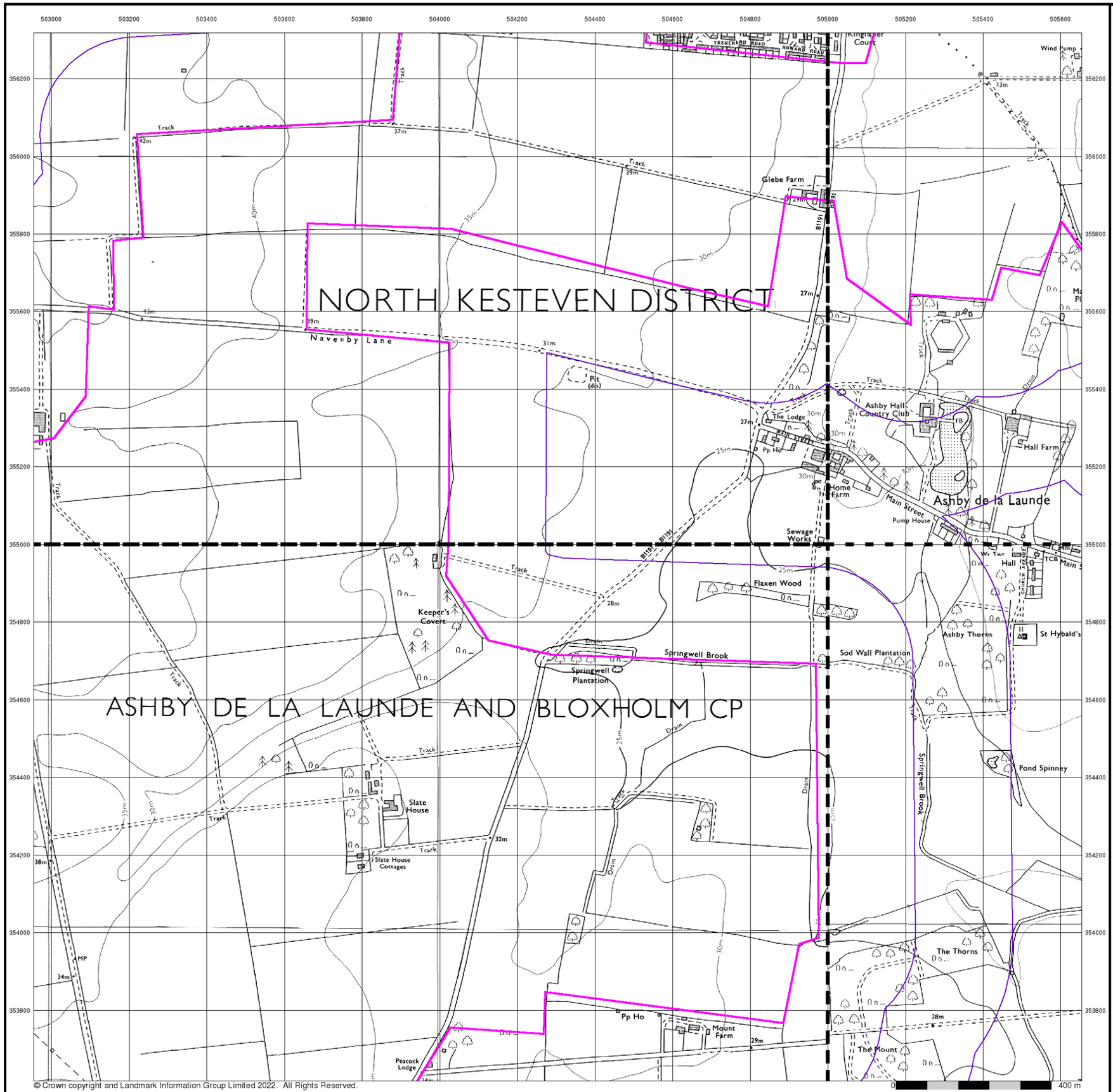

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Ordnance Survey Plan

Published 1985

Source map scale - 1:10,000

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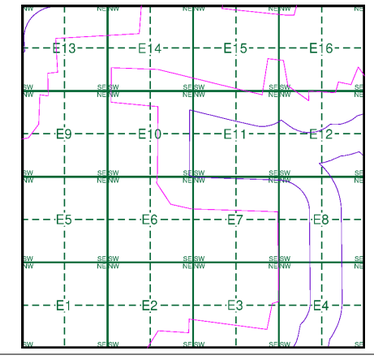
Map Name(s) and Date(s)

TF05NW 1985 1:10,000	TF05NE 1985 1:10,000
TF05SW 1985 1:10,000	TF05SE 1985 1:10,000

Historical Map - Slice E



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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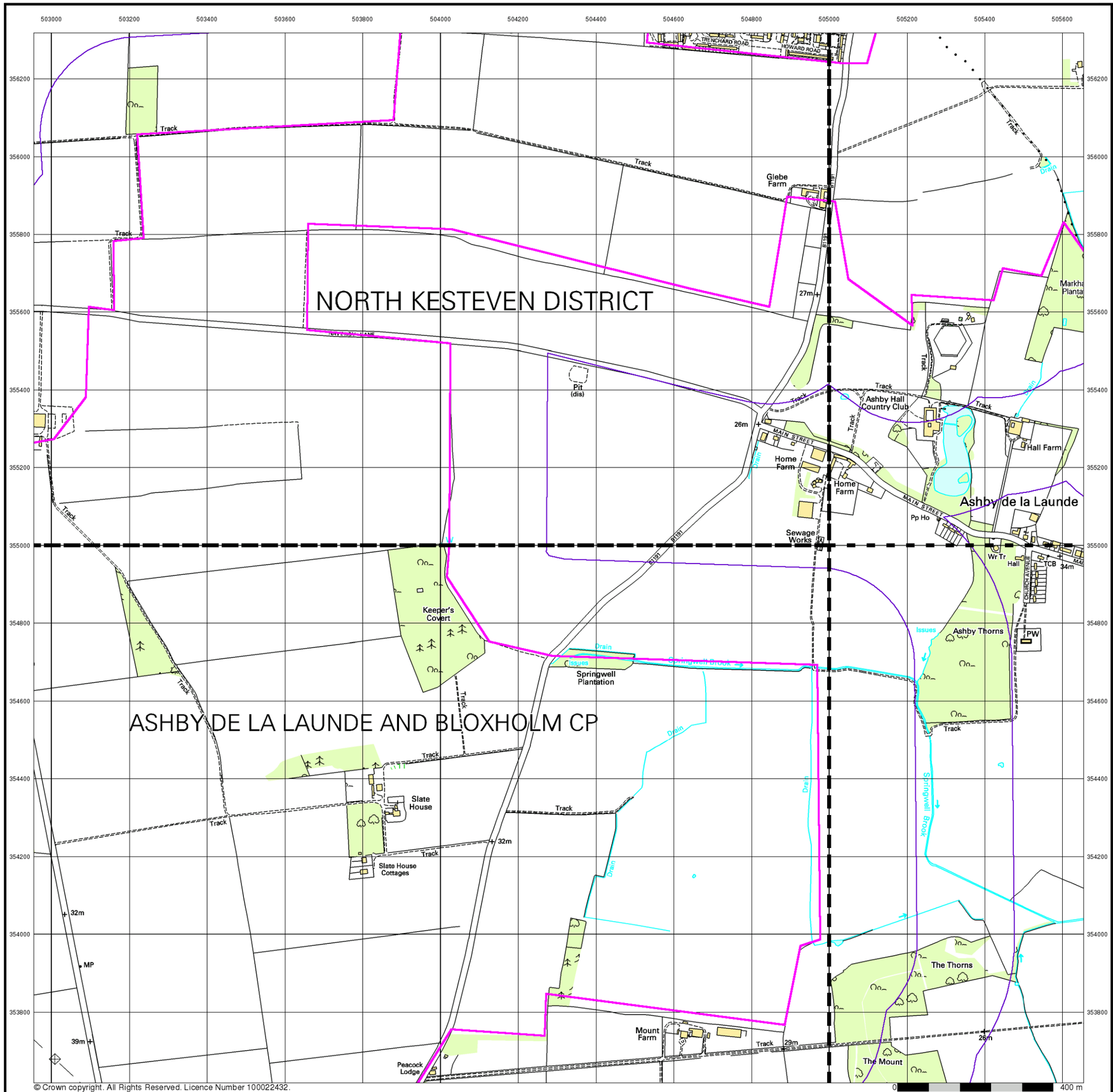

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10k Raster Mapping

Published 2000

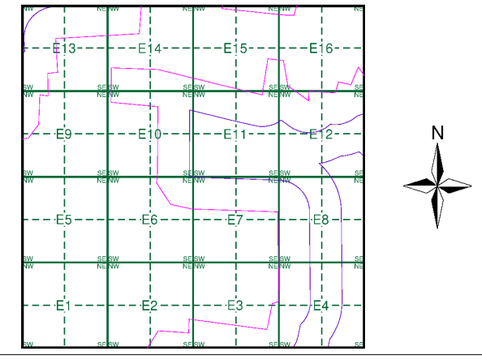
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TF05NW 2000 1:10,000	TF05NE 2000 1:10,000
TF05SW 2000 1:10,000	TF05SE 2000 1:10,000

Historical Map - Slice E



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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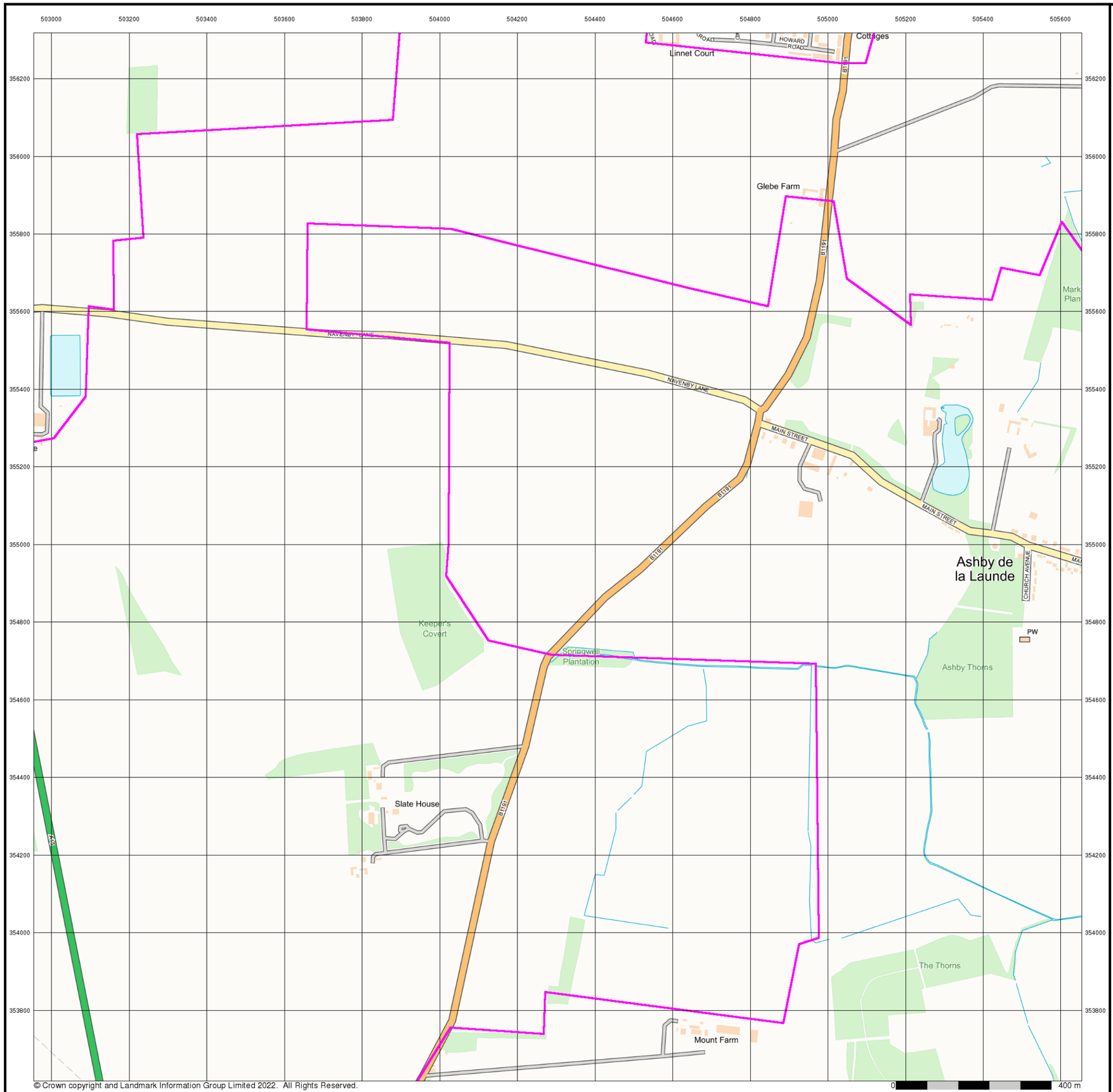
Web: www.envirocheck.co.uk



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RSK

Street View

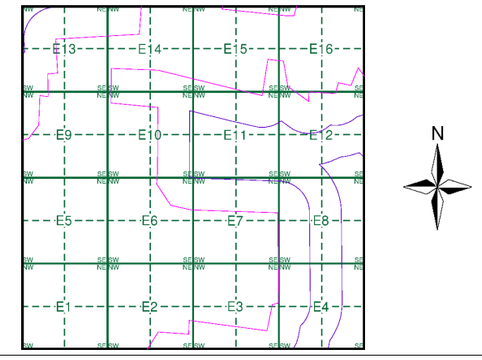
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice E



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP

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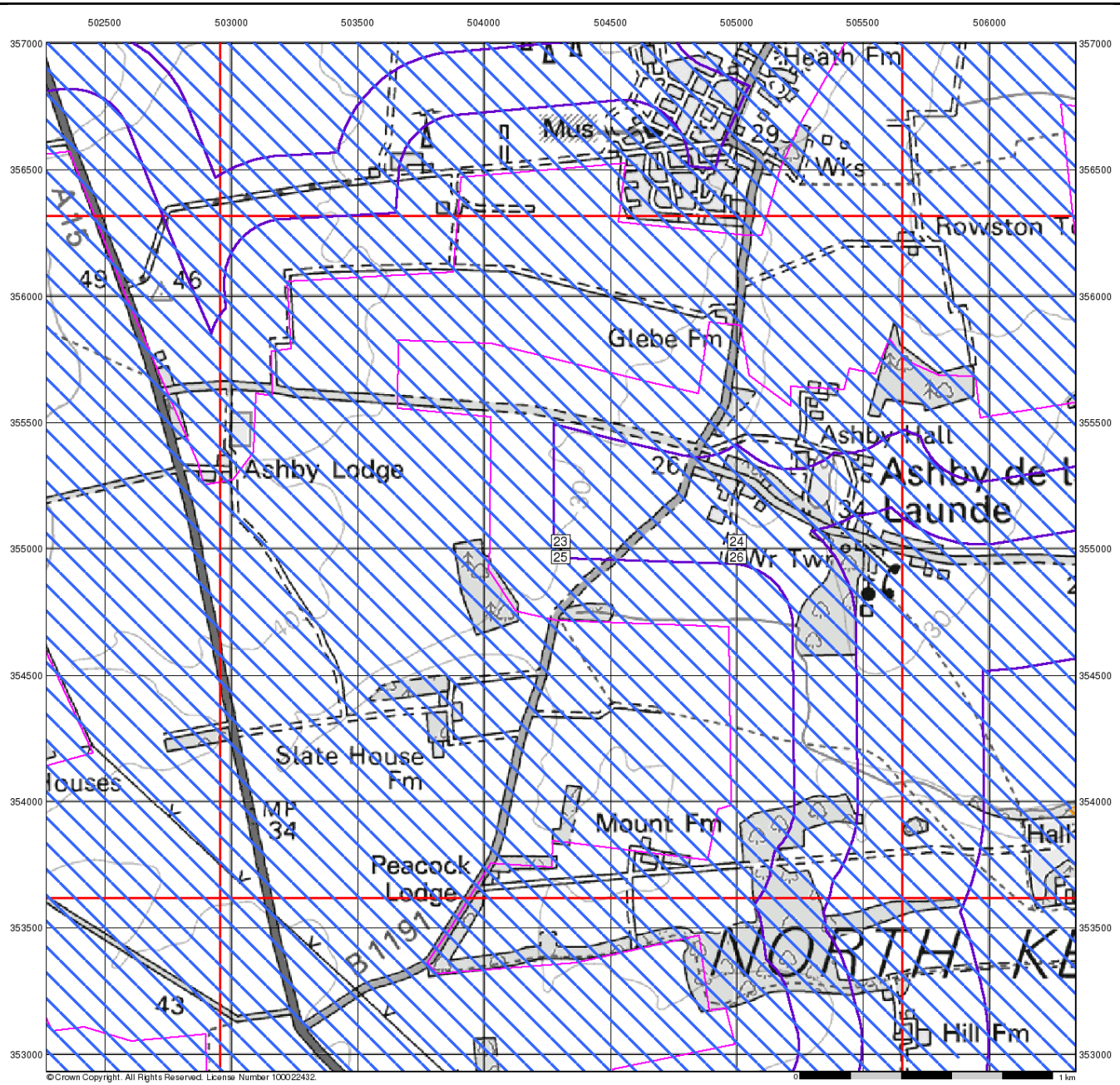


Envirocheck®

LANDMARK INFORMATION GROUP®

Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

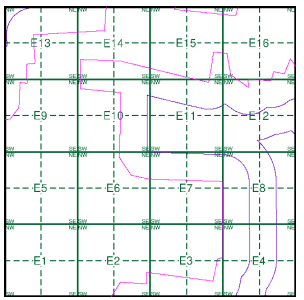
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice E



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark® INFORMATION GROUP

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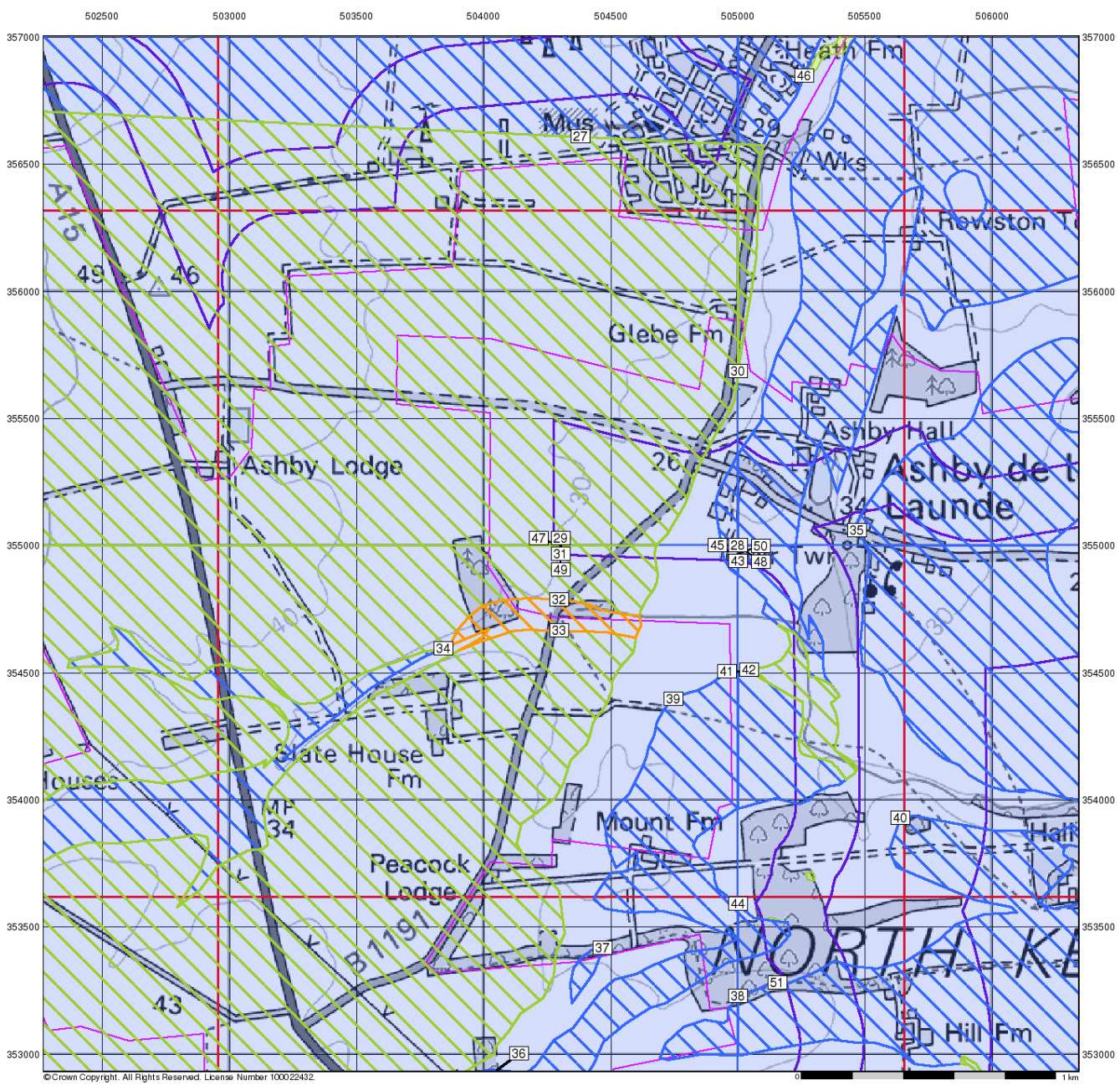
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

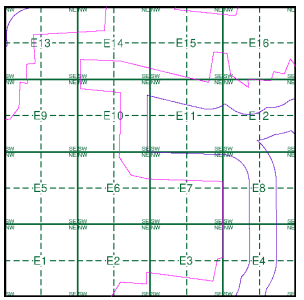
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice E



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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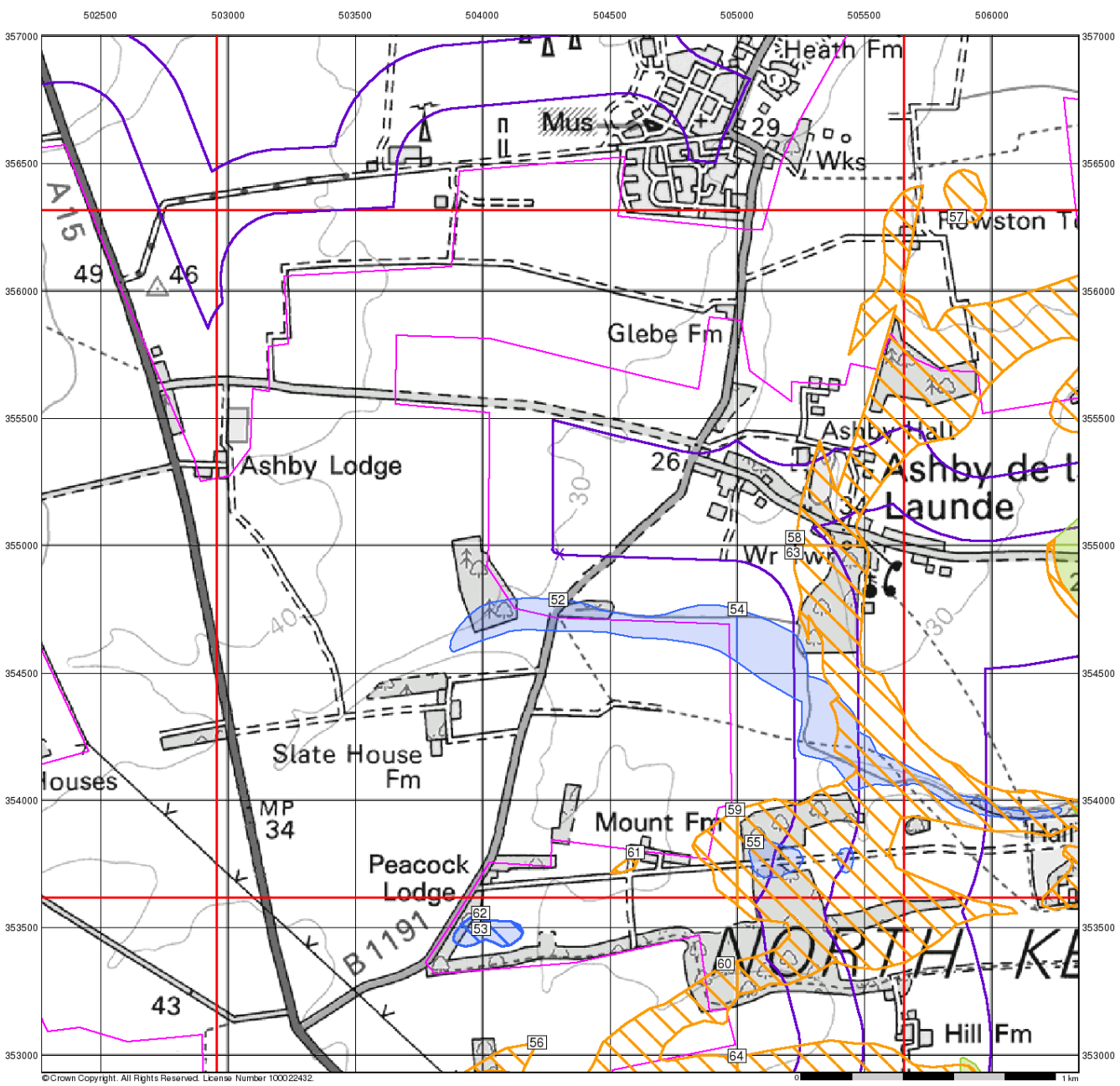


Envirocheck®

LANDMARK INFORMATION GROUP®

Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

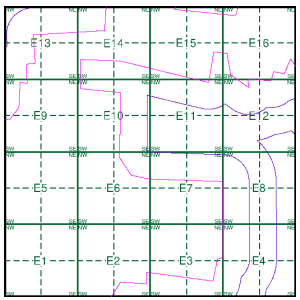
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice E



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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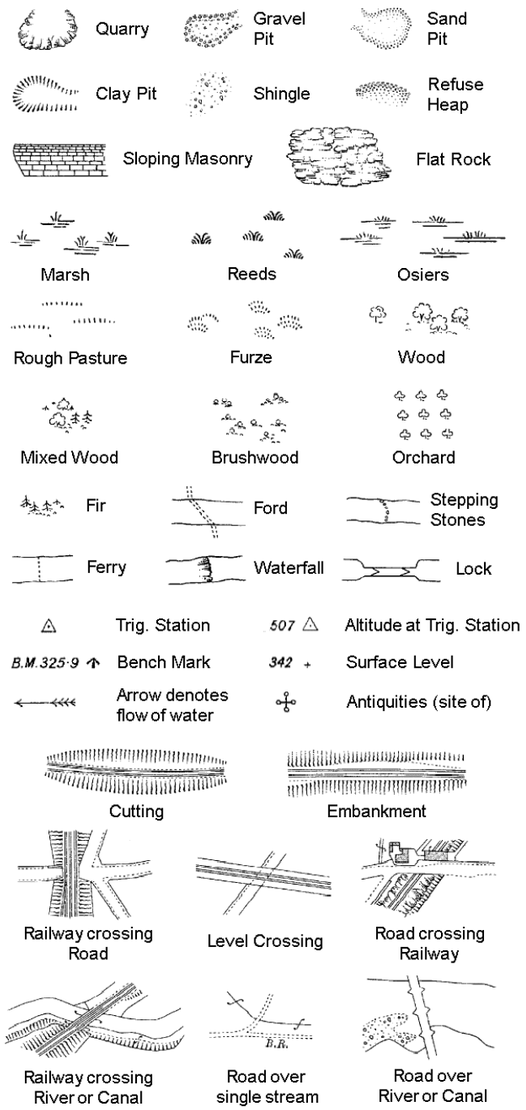
Web: www.envirocheck.co.uk

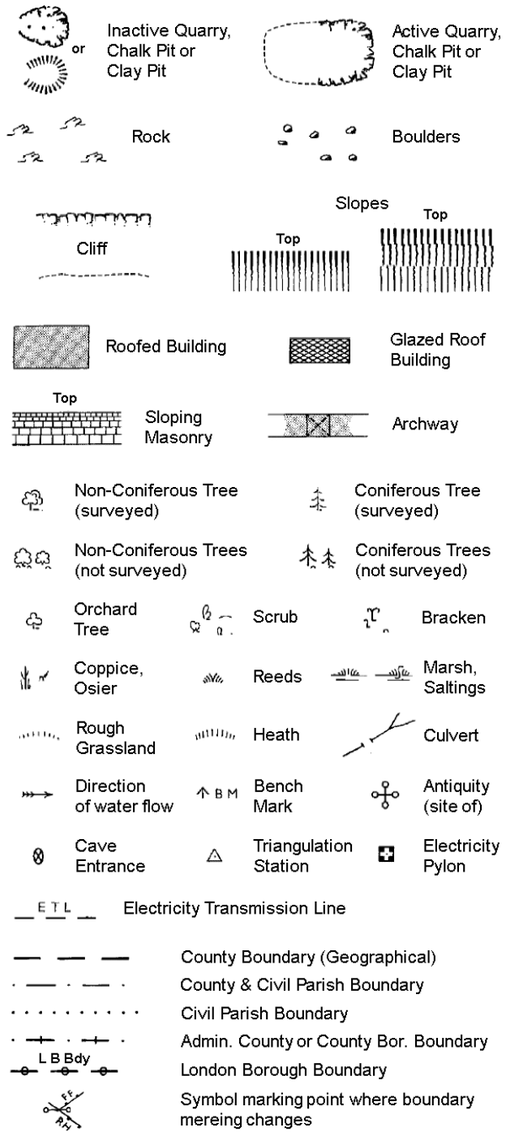
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



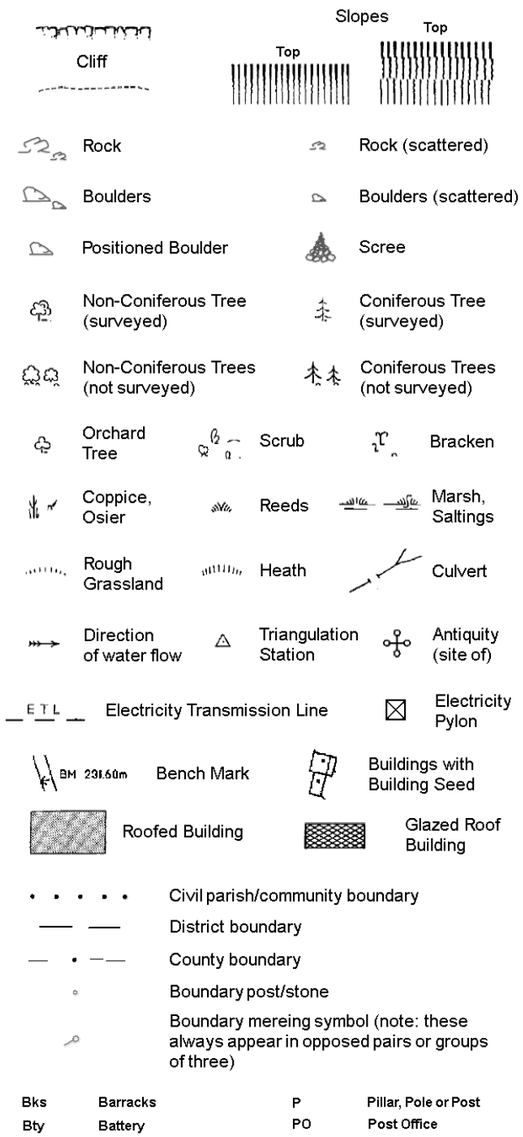
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



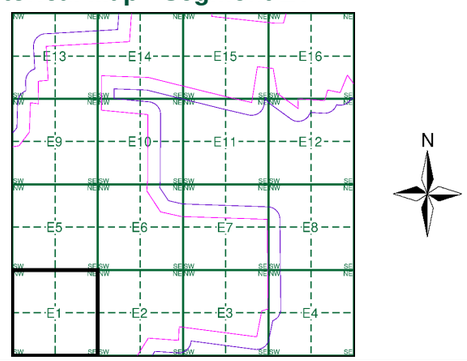
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E1



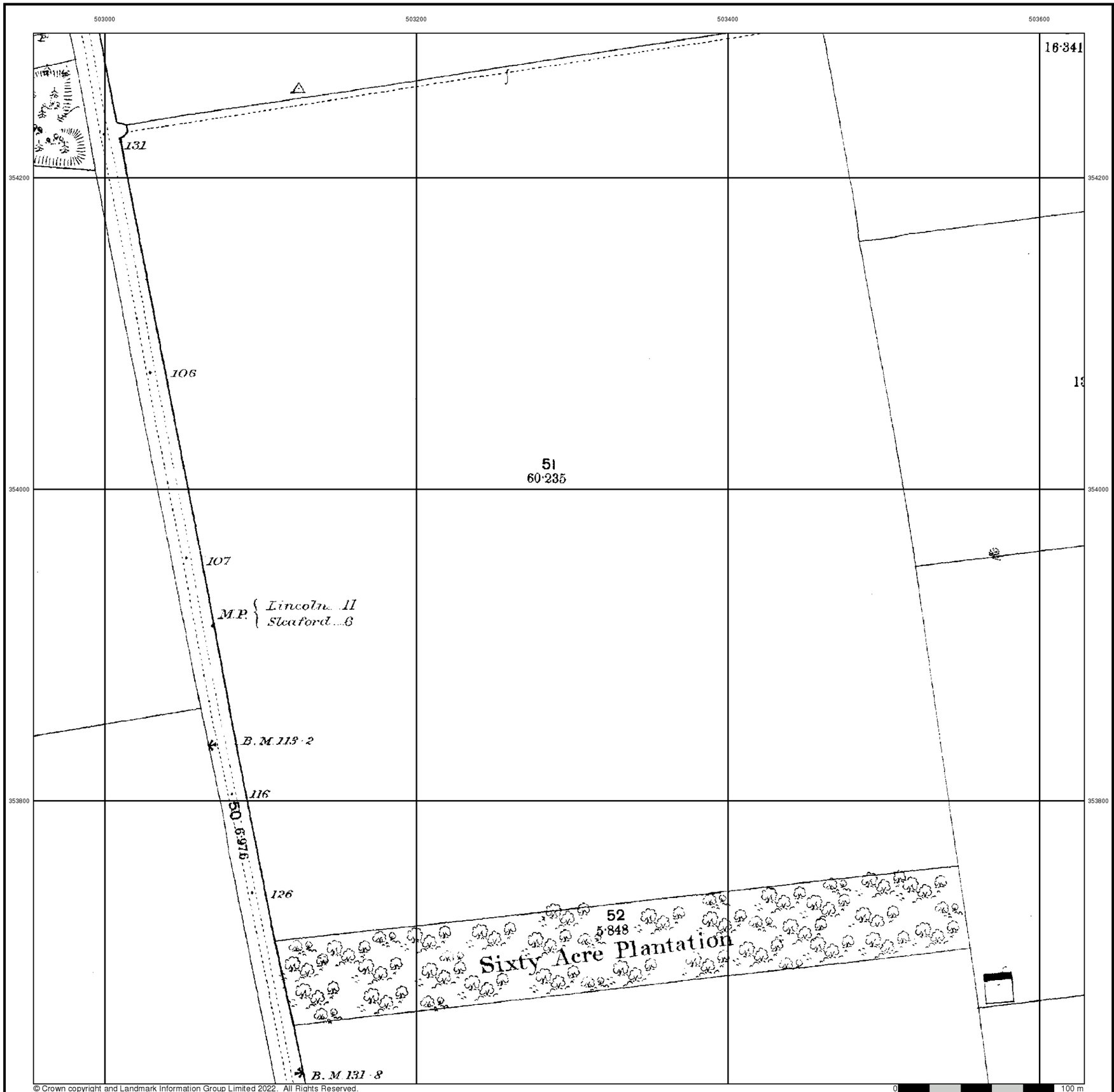
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

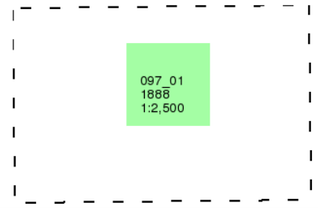
Lincolnshire

Published 1888

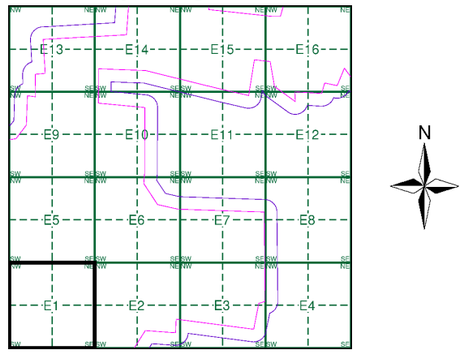
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment E1



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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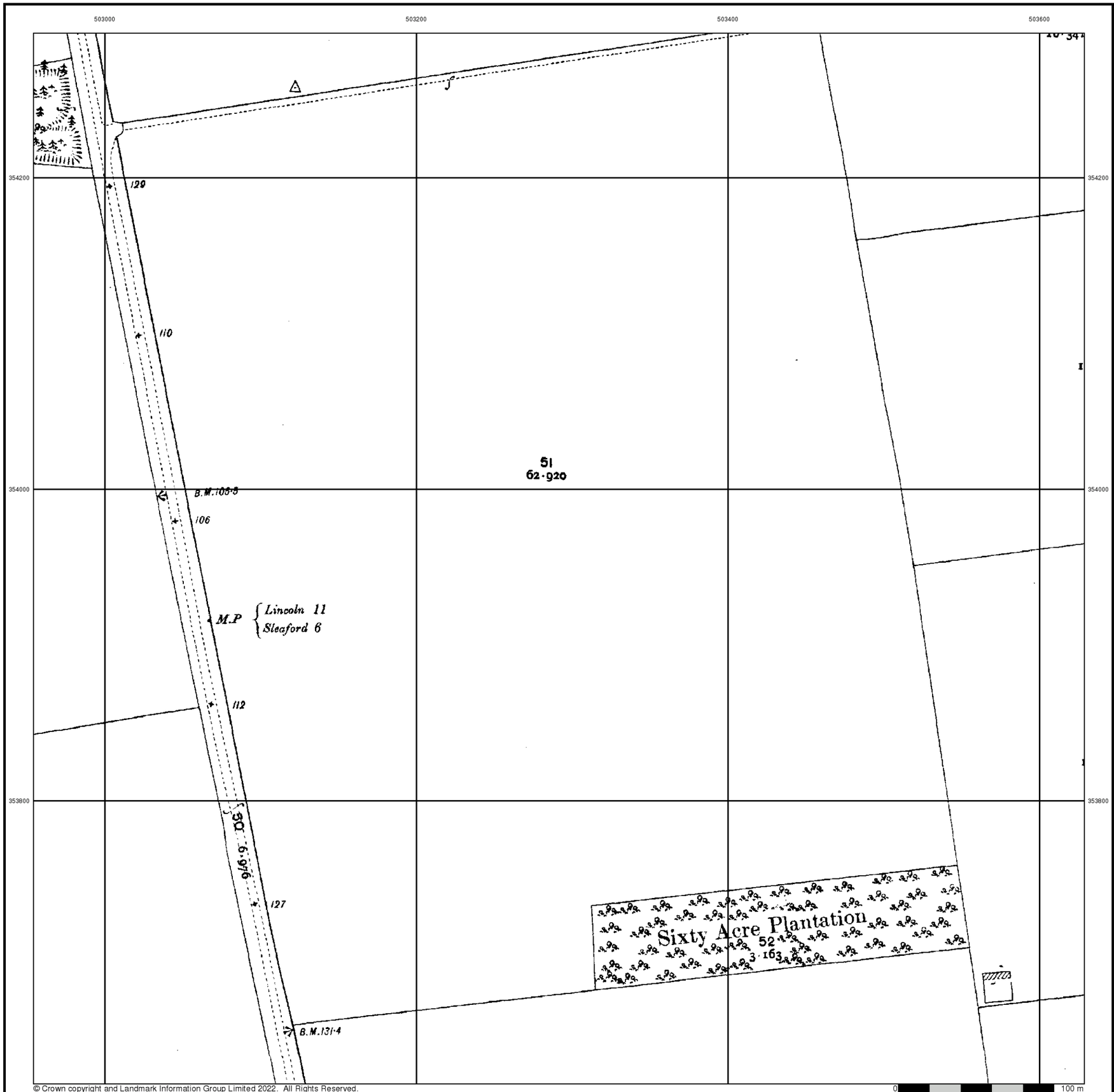

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0 100 m

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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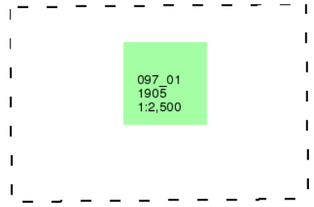
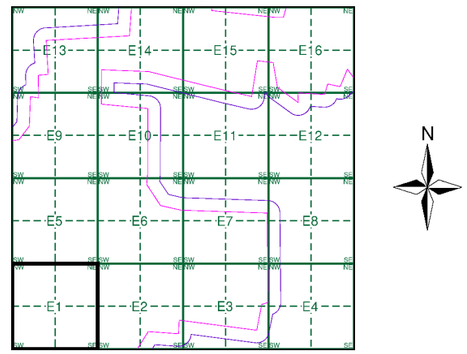


Historical Map - Segment E1



Order Details

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Slice:	E
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Site Details

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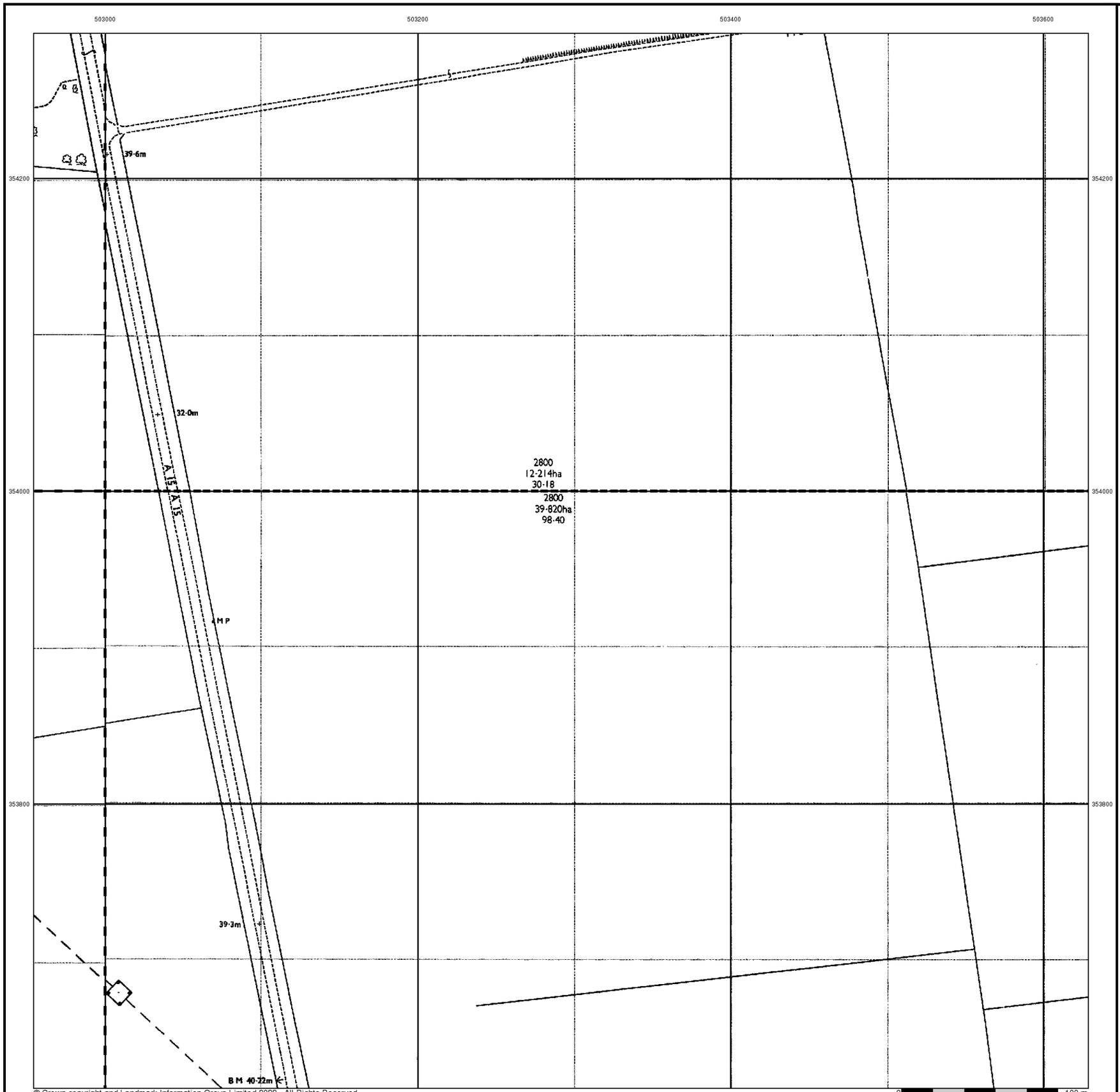

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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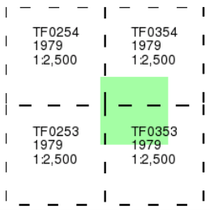
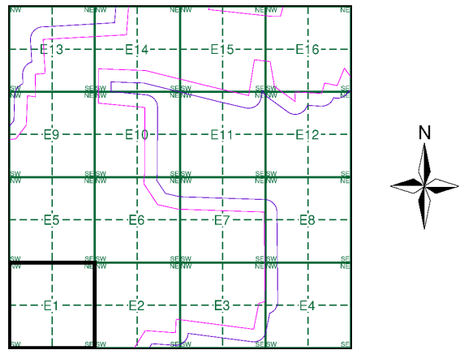


Historical Map - Segment E1



Order Details

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Site Details

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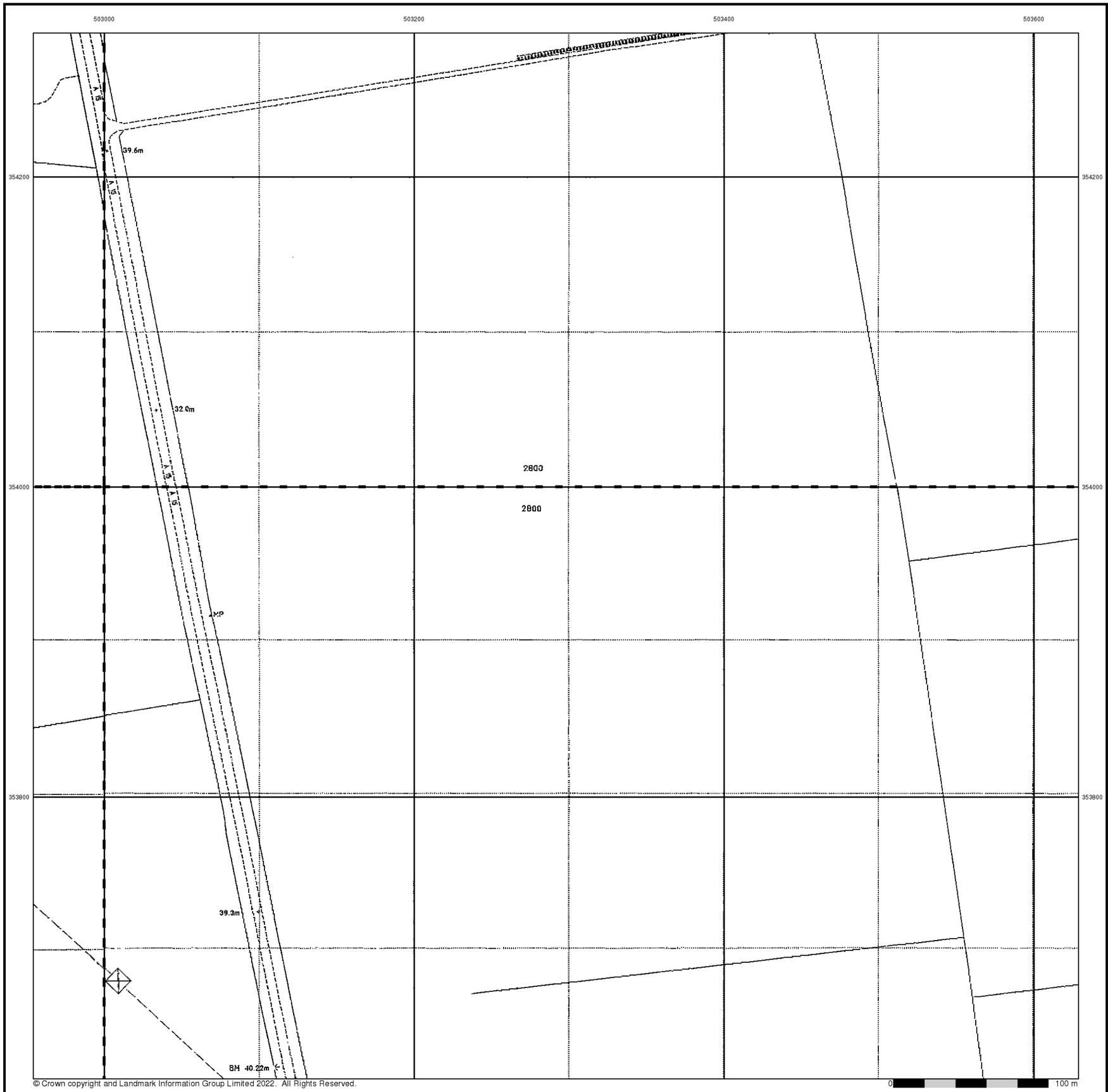

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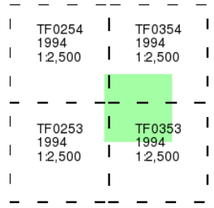
Large-Scale National Grid Data

Published 1994

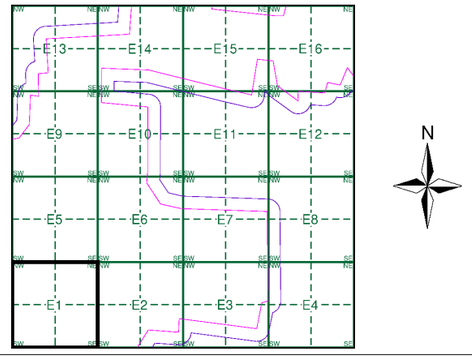
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E1



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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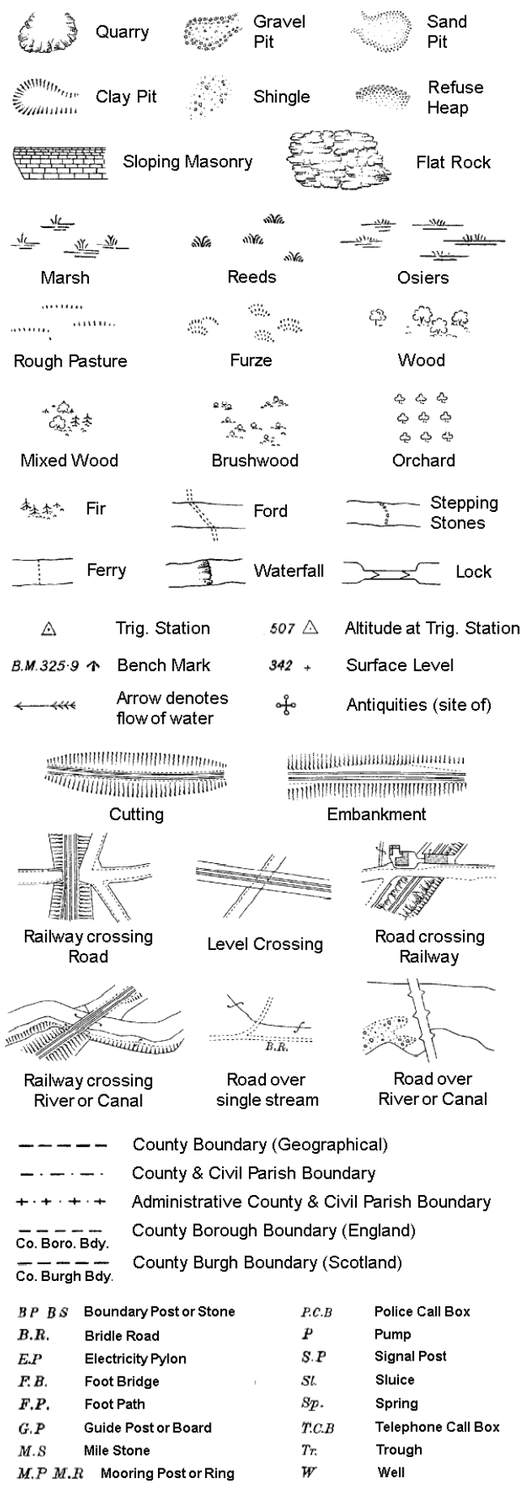
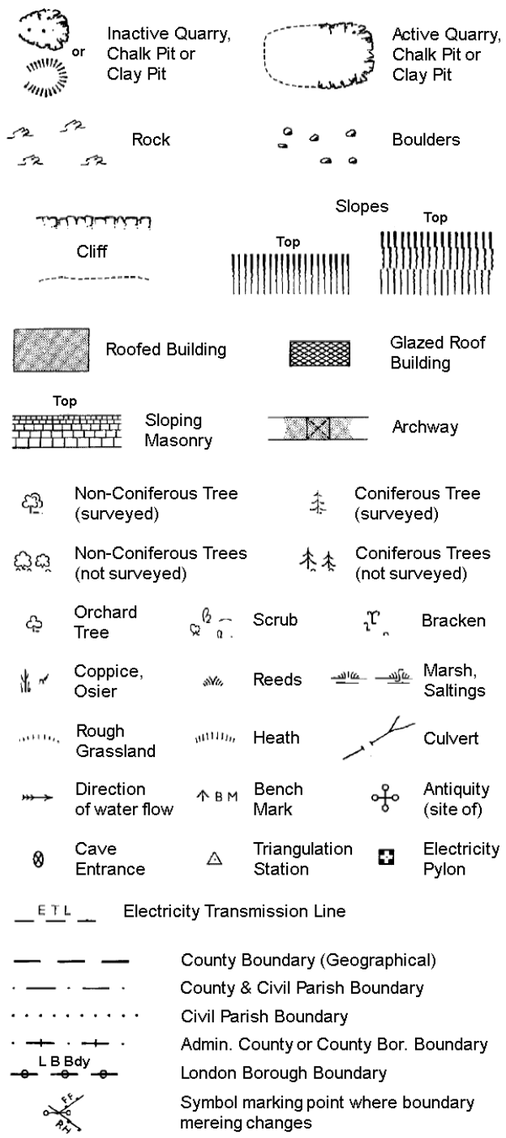
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
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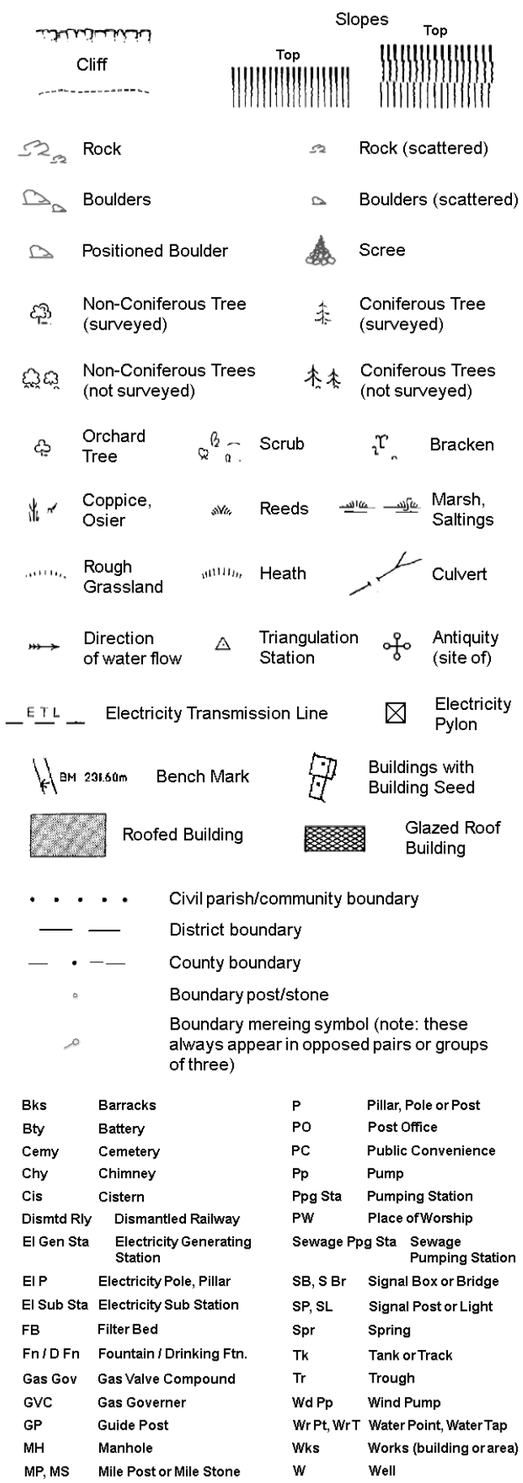
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
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Gas Gov	Gas Valve Compound	Tr	Trough
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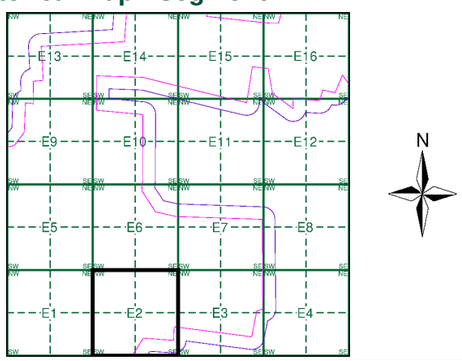
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E2



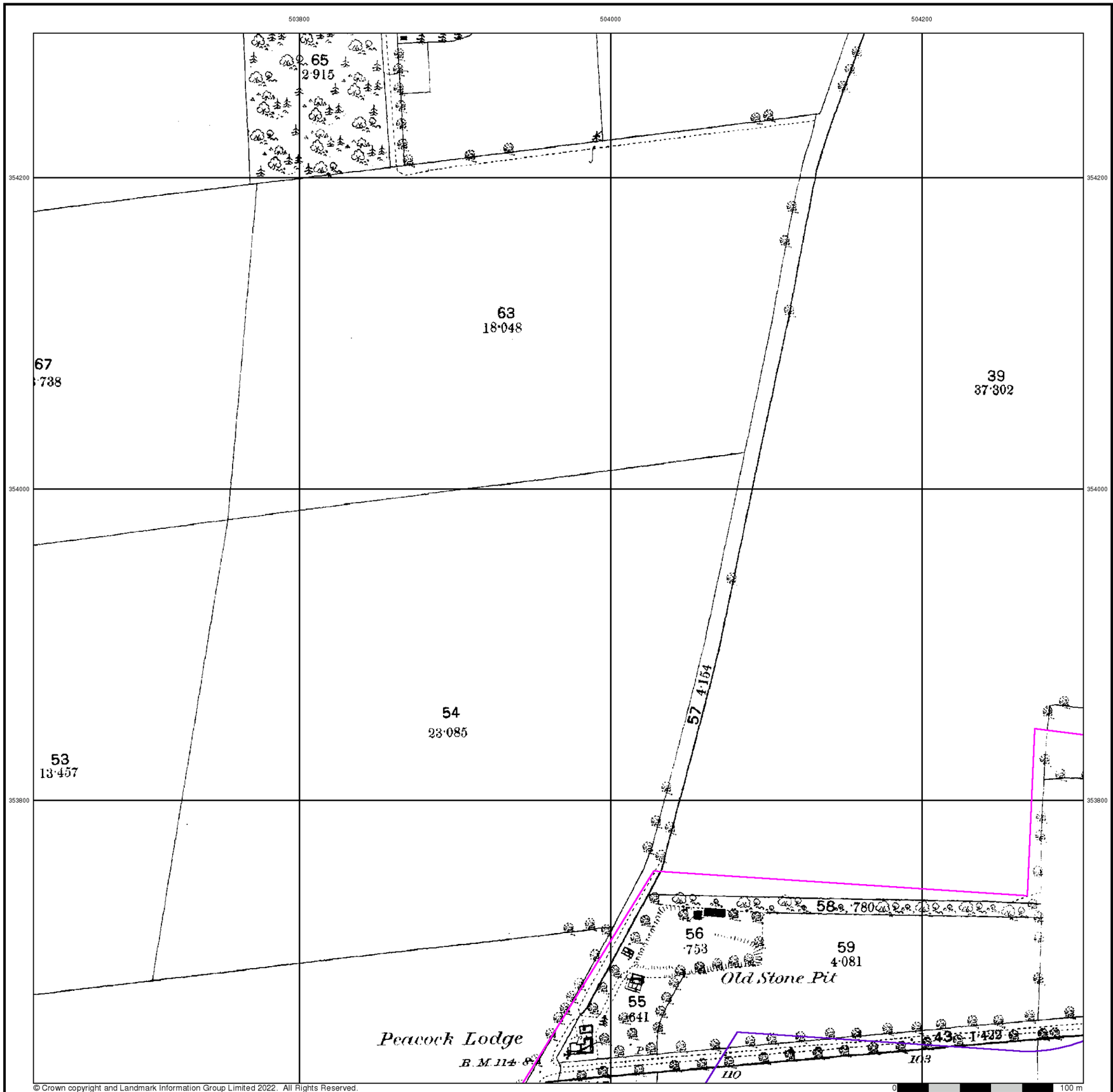
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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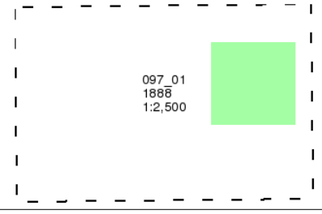
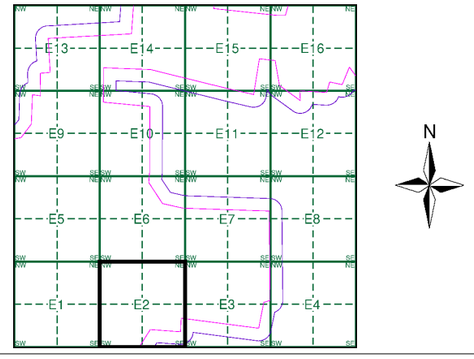
Map Name(s) and Date(s)



Historical Map - Segment E2



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

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503800 504000 504200

354200 354000 353800

Slate House

65
2·915

63a
·350

63
17·698

67
3·738

39
37·302

54
23·085

53
3·457

57 4·154

56
·753

58 ·780

59
4·081

55
·641

Peacock Lodge
B.M.114·8

43 1·442

97

103

110

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0 100 m

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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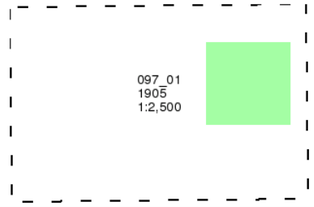
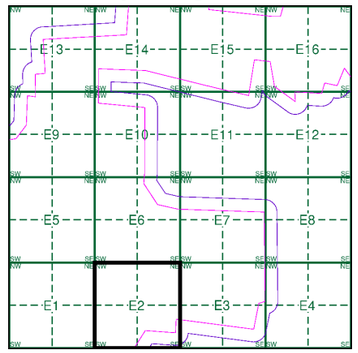


Historical Map - Segment E2



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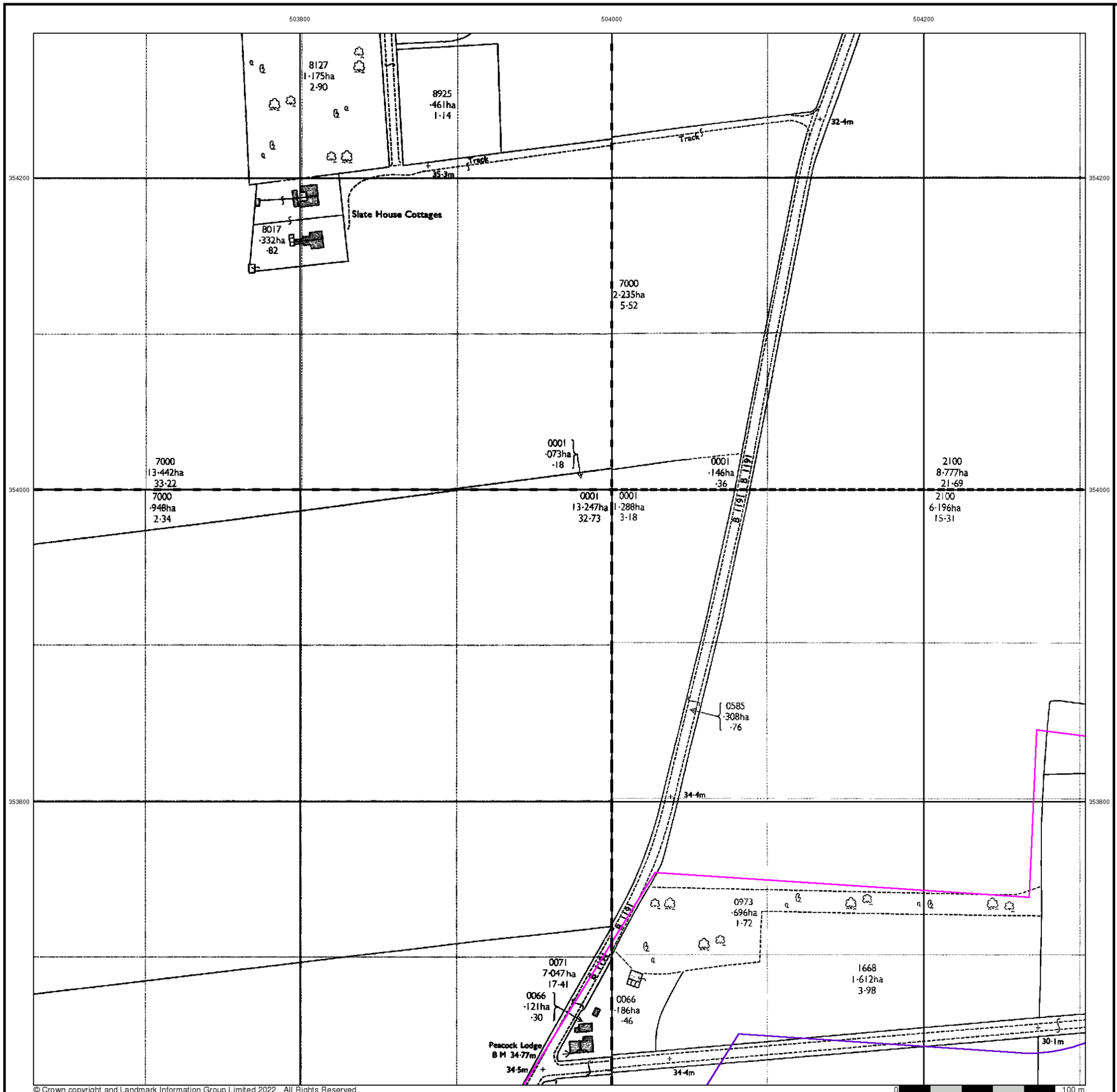

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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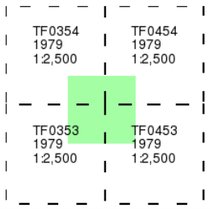
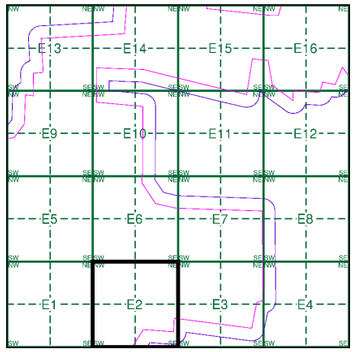


Historical Map - Segment E2



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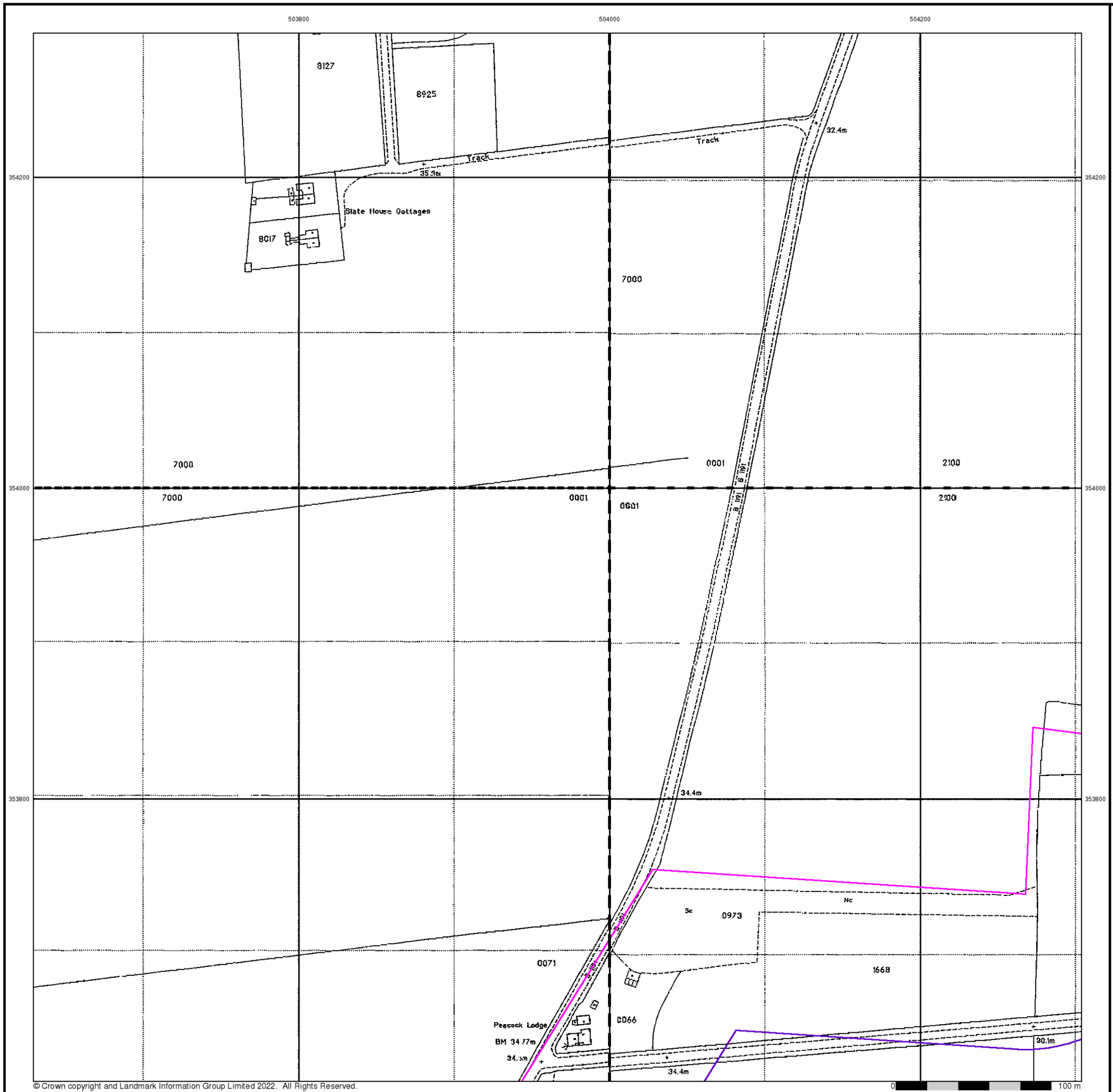

Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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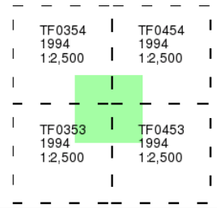
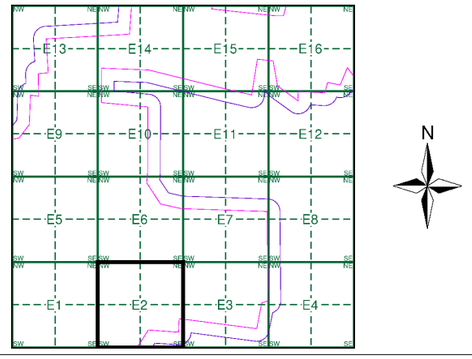


Historical Map - Segment E2



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

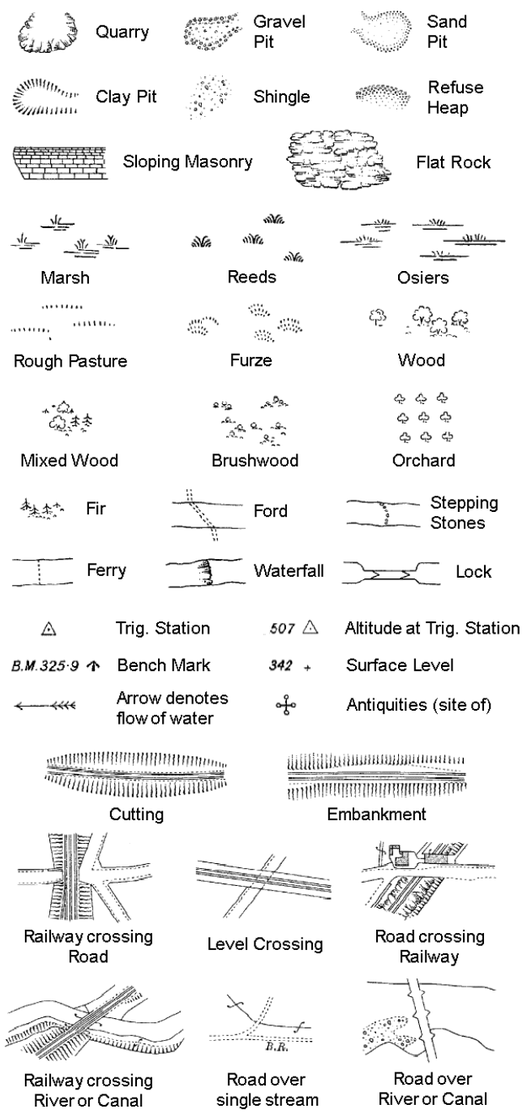
Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

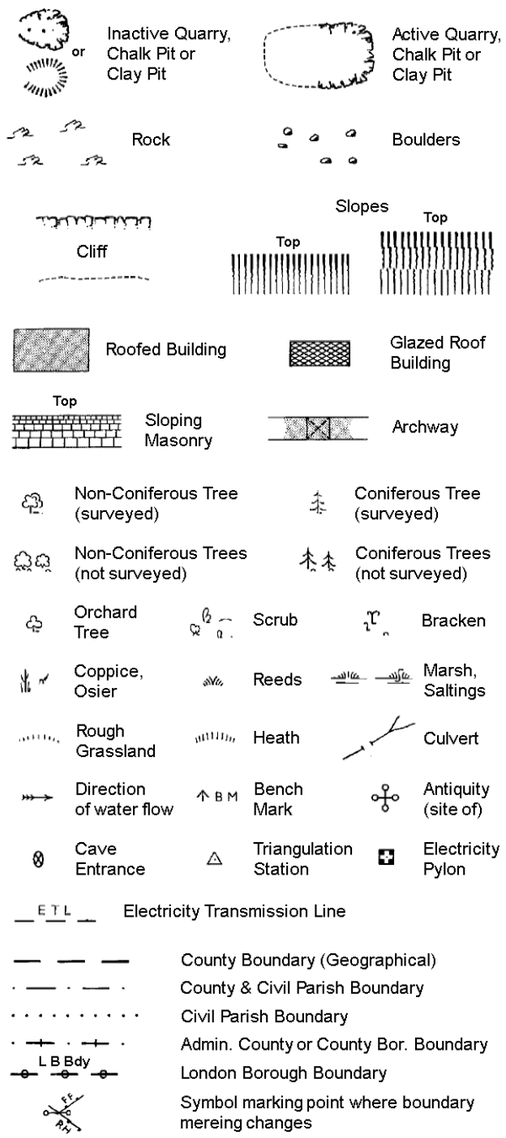
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



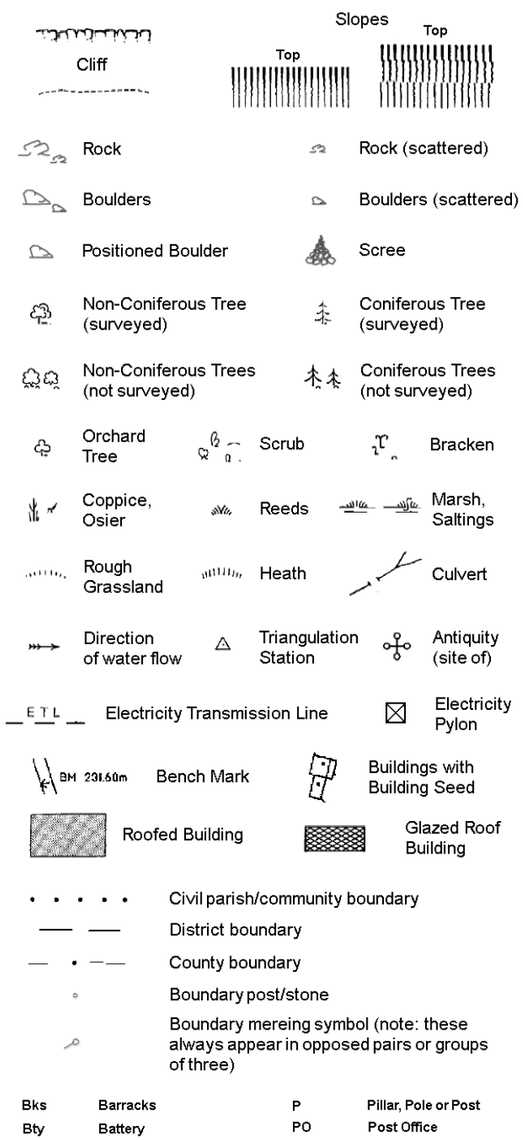
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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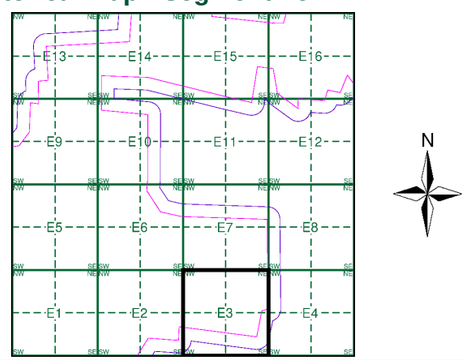
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E3



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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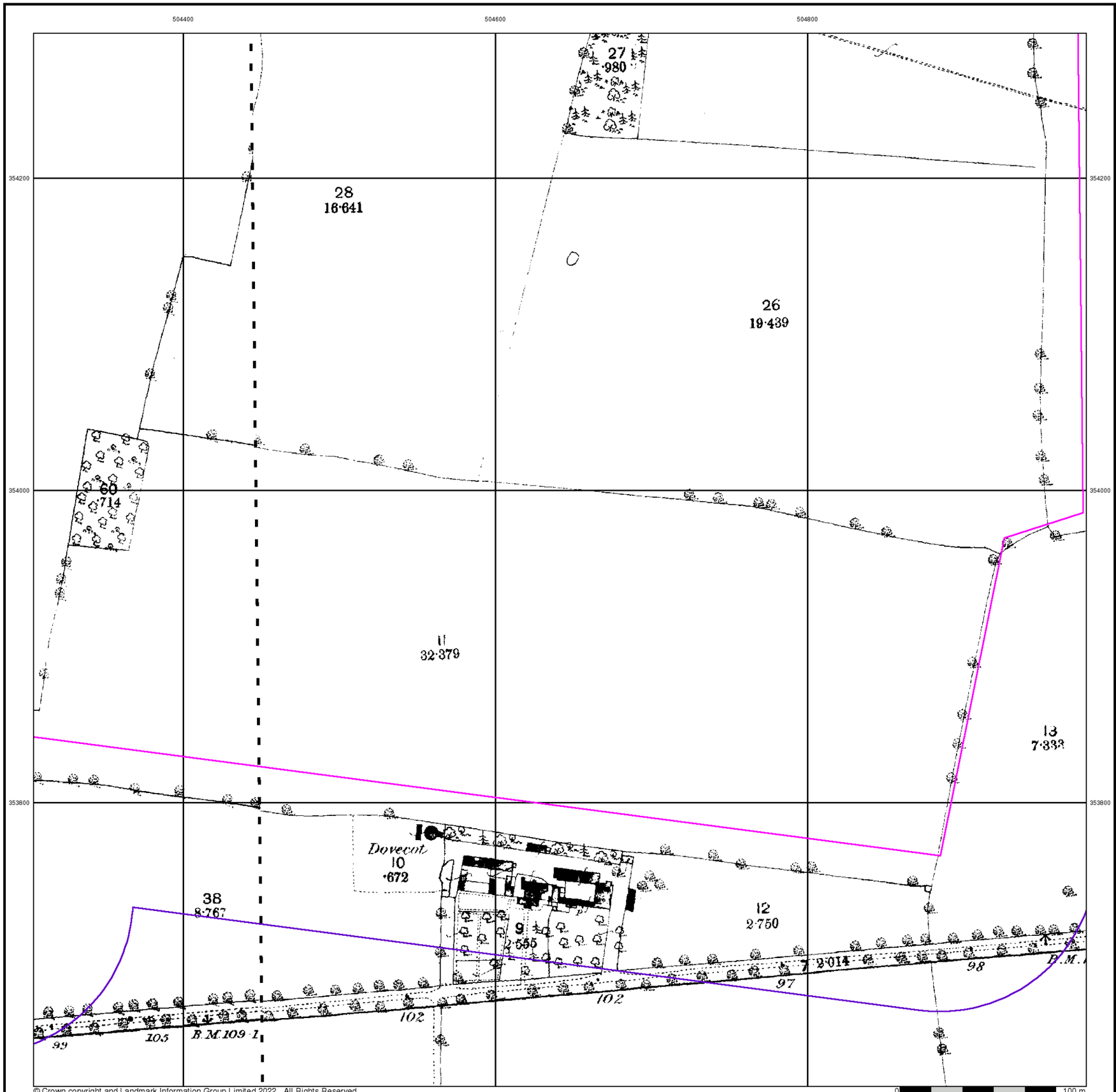

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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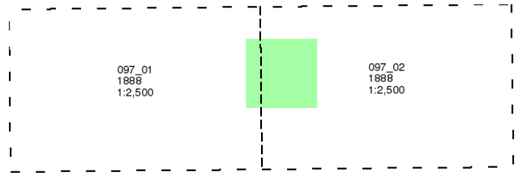
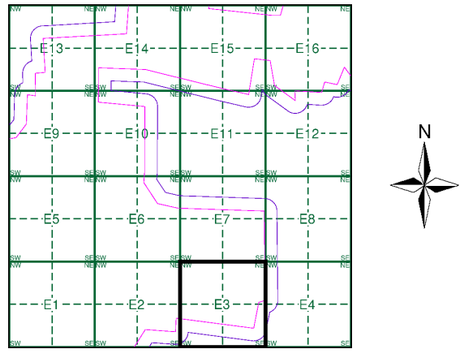
Map Name(s) and Date(s)



Historical Map - Segment E3



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Search Buffer (m):	100

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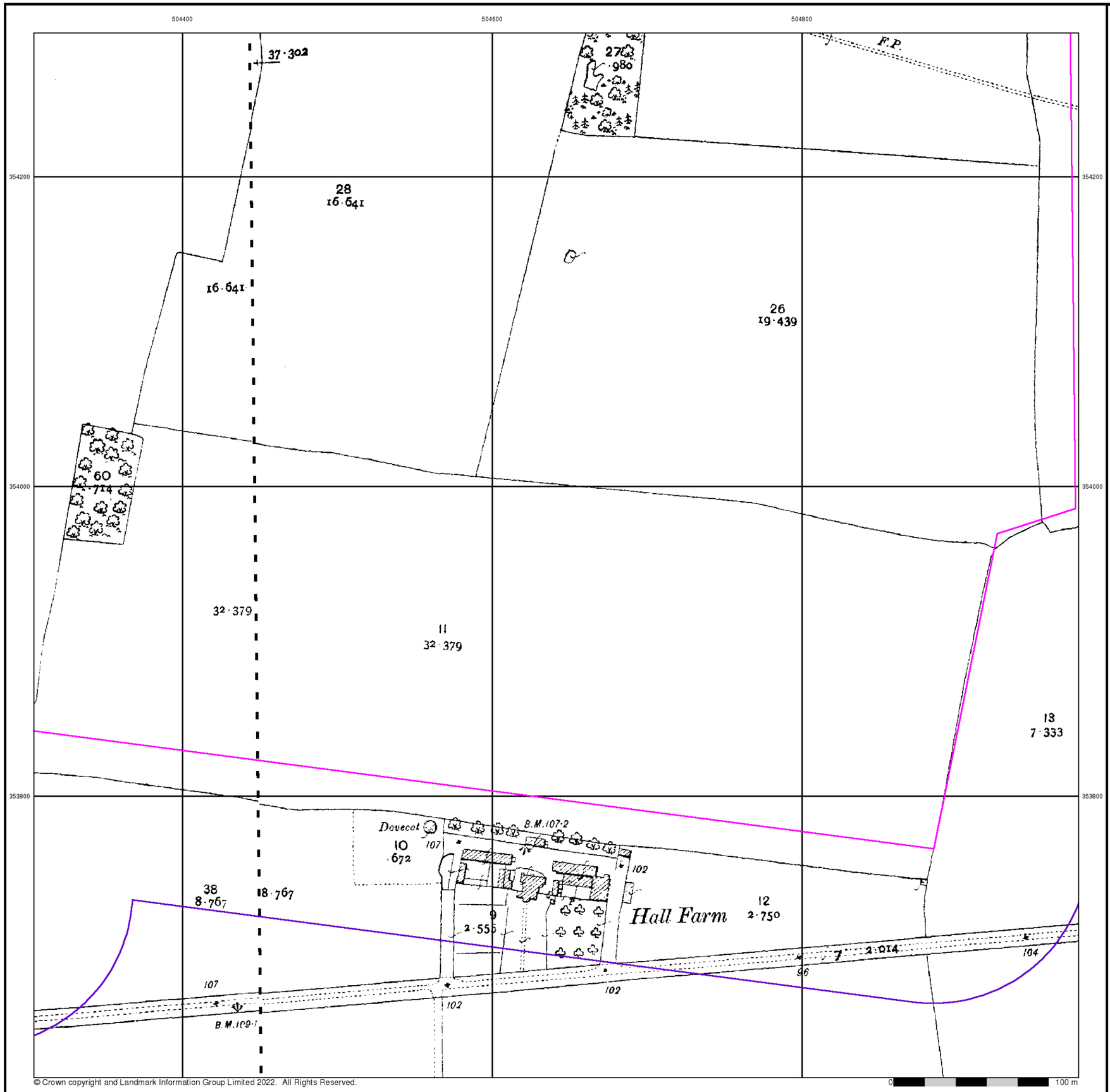

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Lincolnshire

Published 1905

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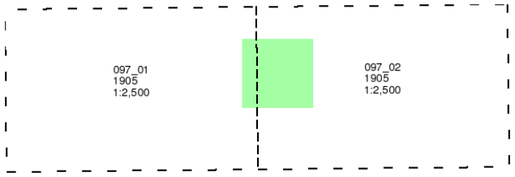
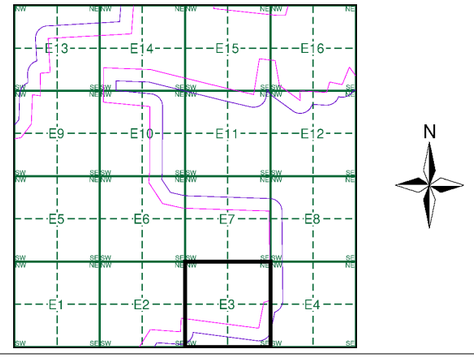


Historical Map - Segment E3



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Slice:	E
Site Area (Ha):	1774.17
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Site Details

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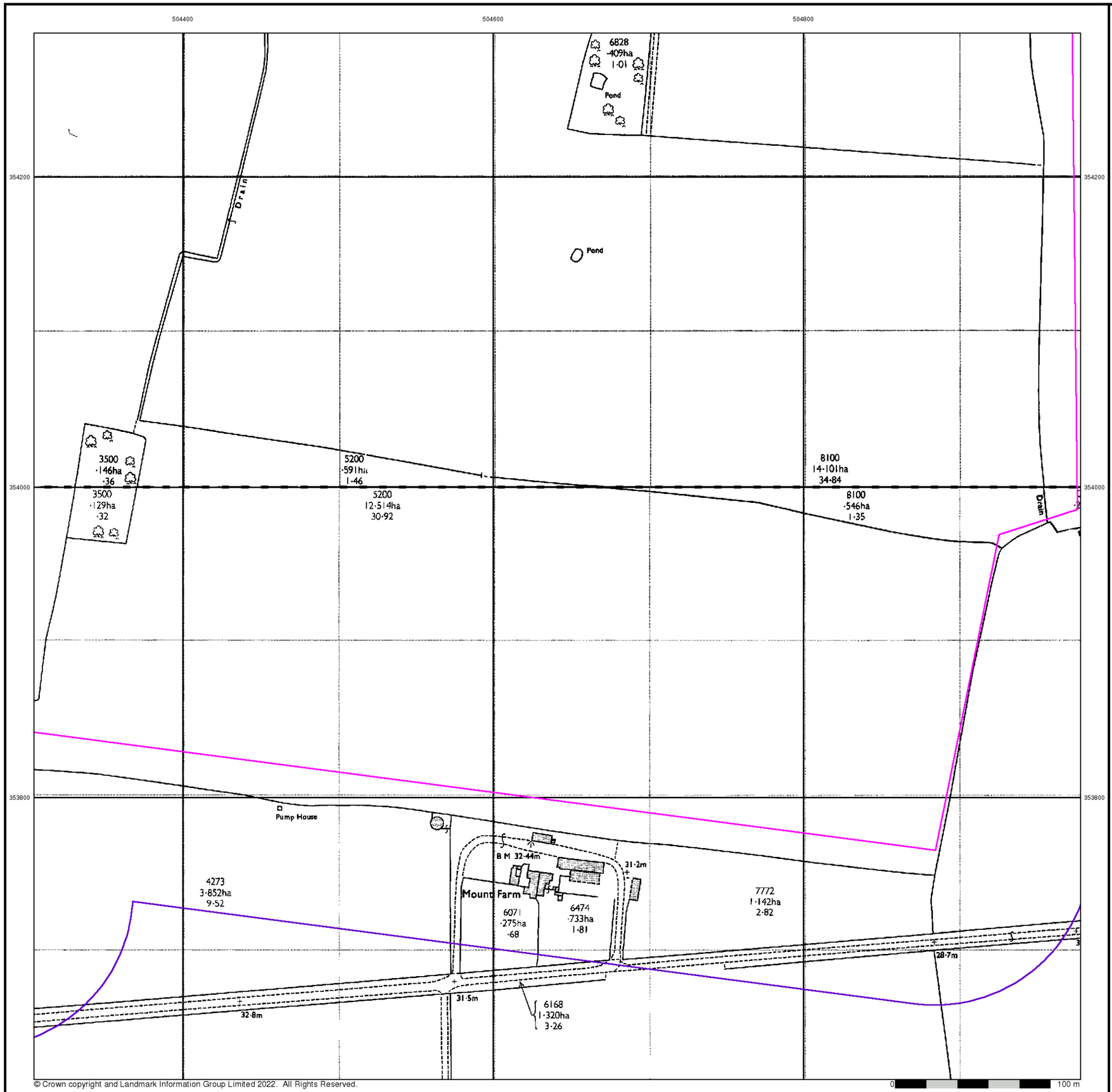

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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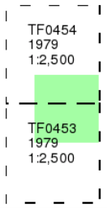
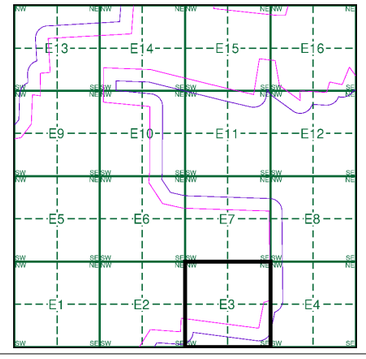


Historical Map - Segment E3



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
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Site Details

All Areas New

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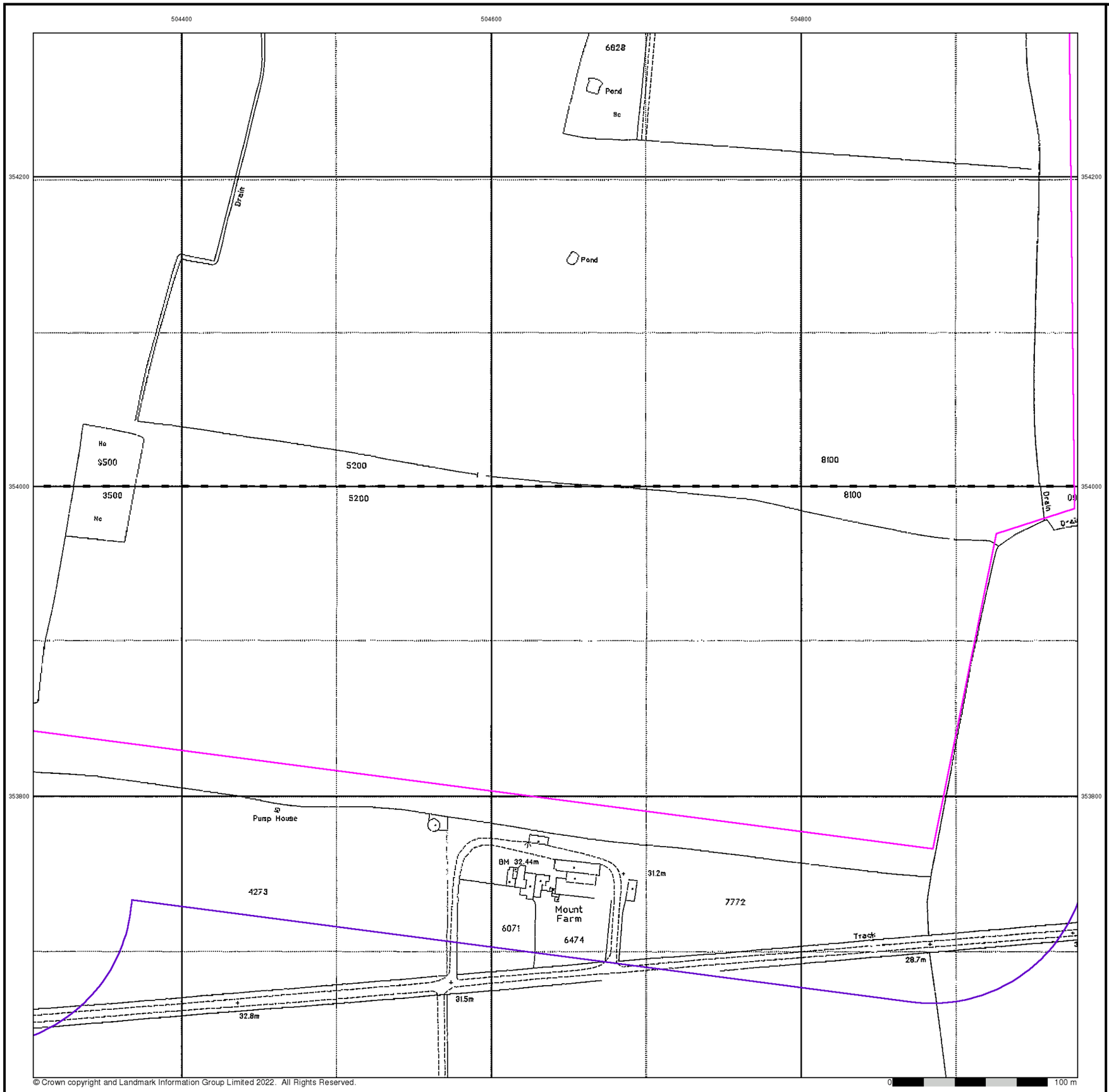

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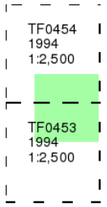
Large-Scale National Grid Data

Published 1994

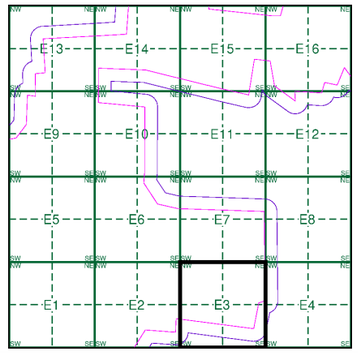
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E3



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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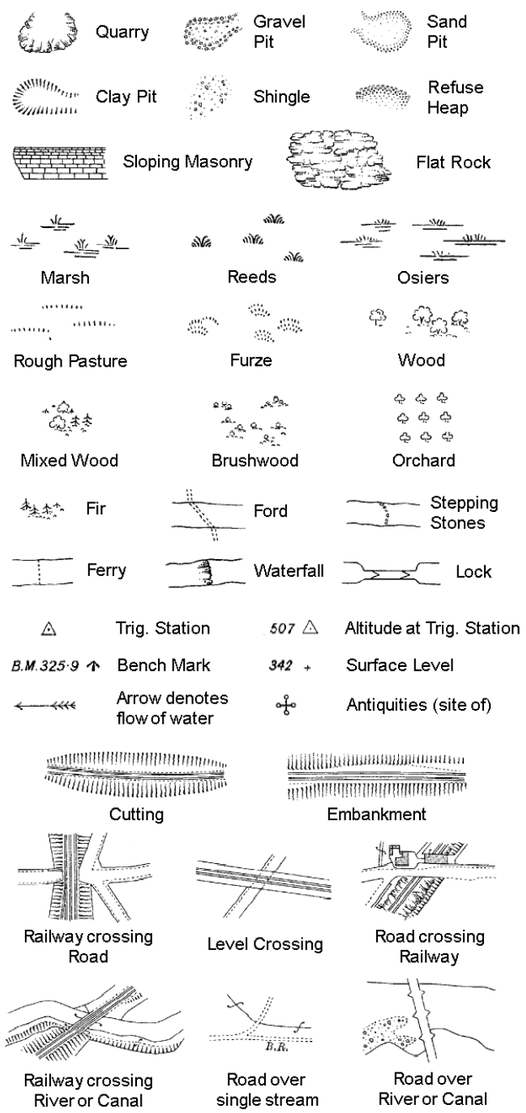
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

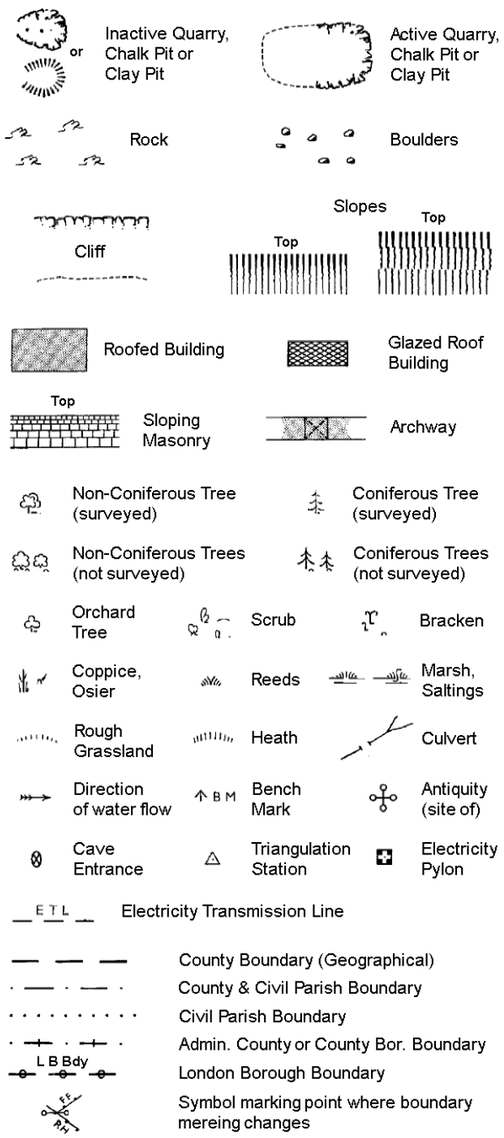
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B.P B.S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

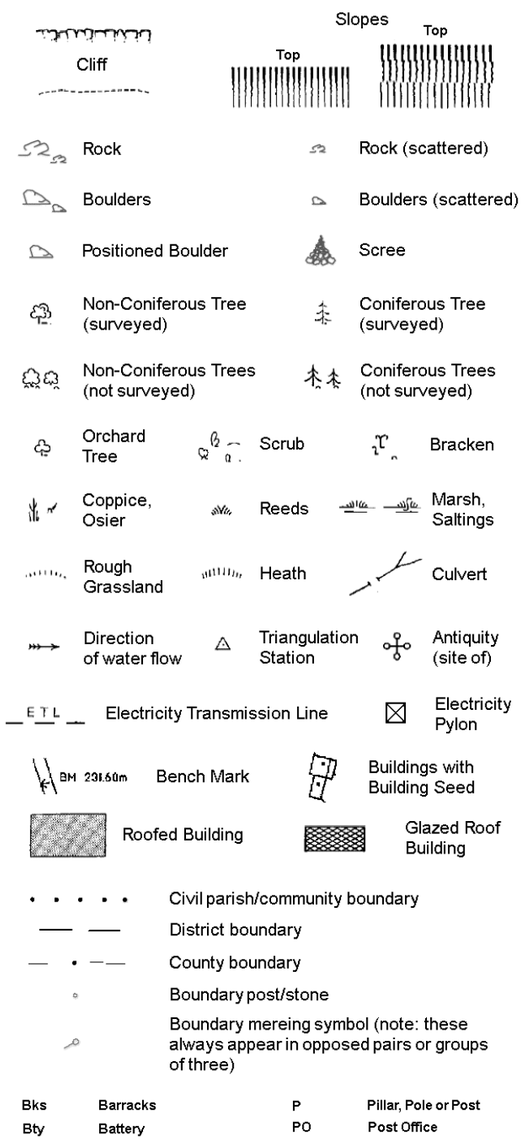
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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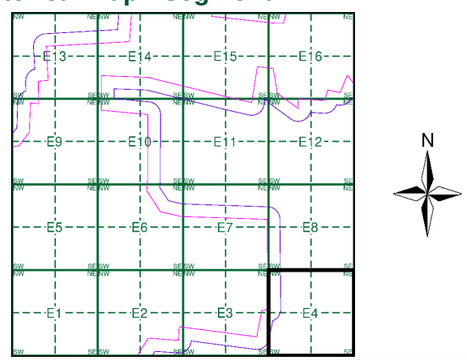
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E4



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP

Tel: 0844 844 9952
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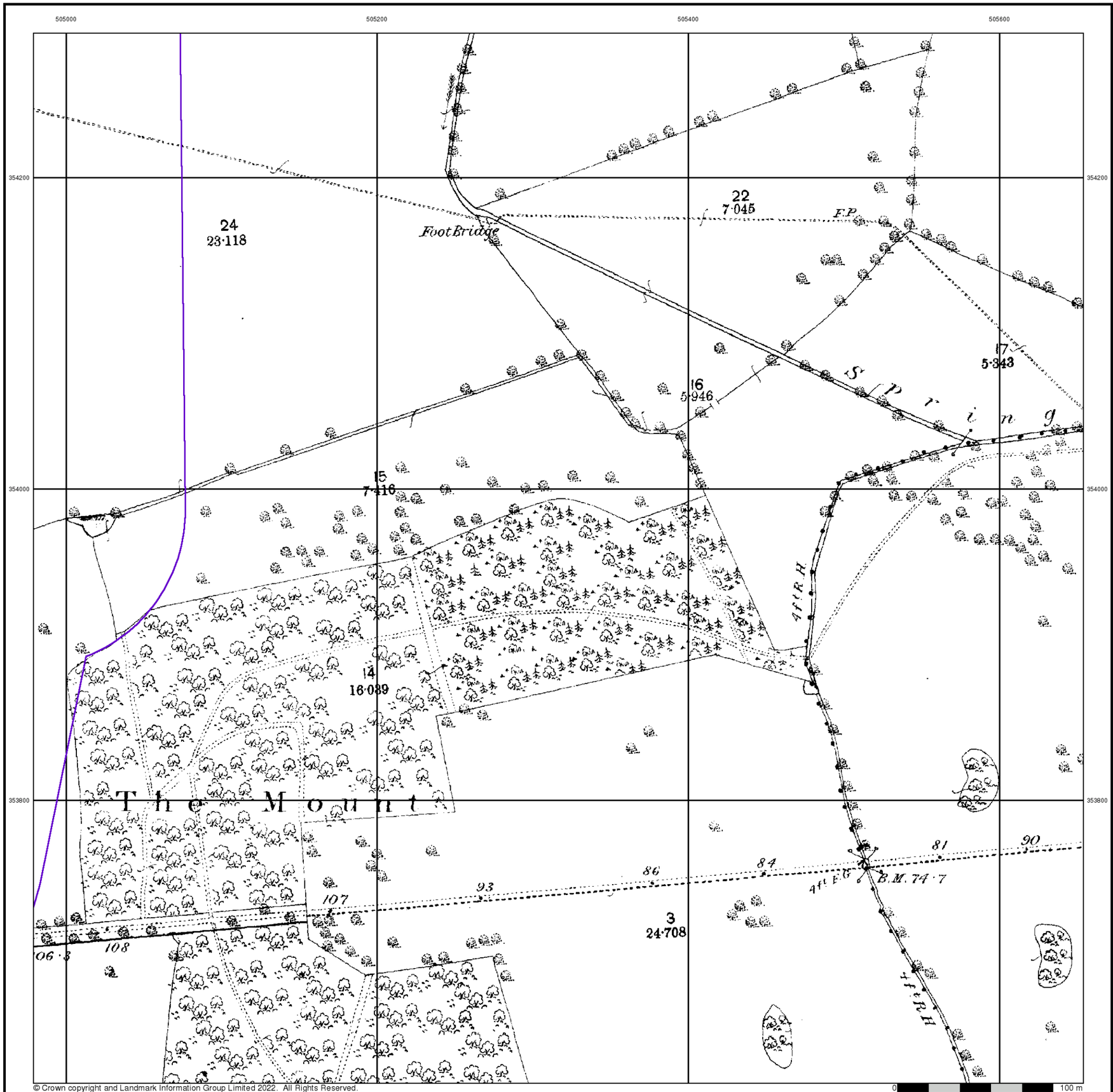
Web: www.envirocheck.co.uk



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0 100 m

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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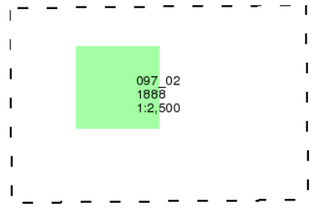
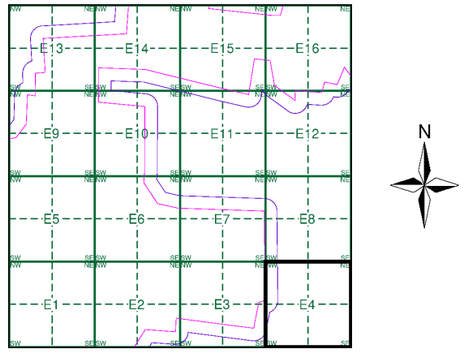
Map Name(s) and Date(s)



Historical Map - Segment E4



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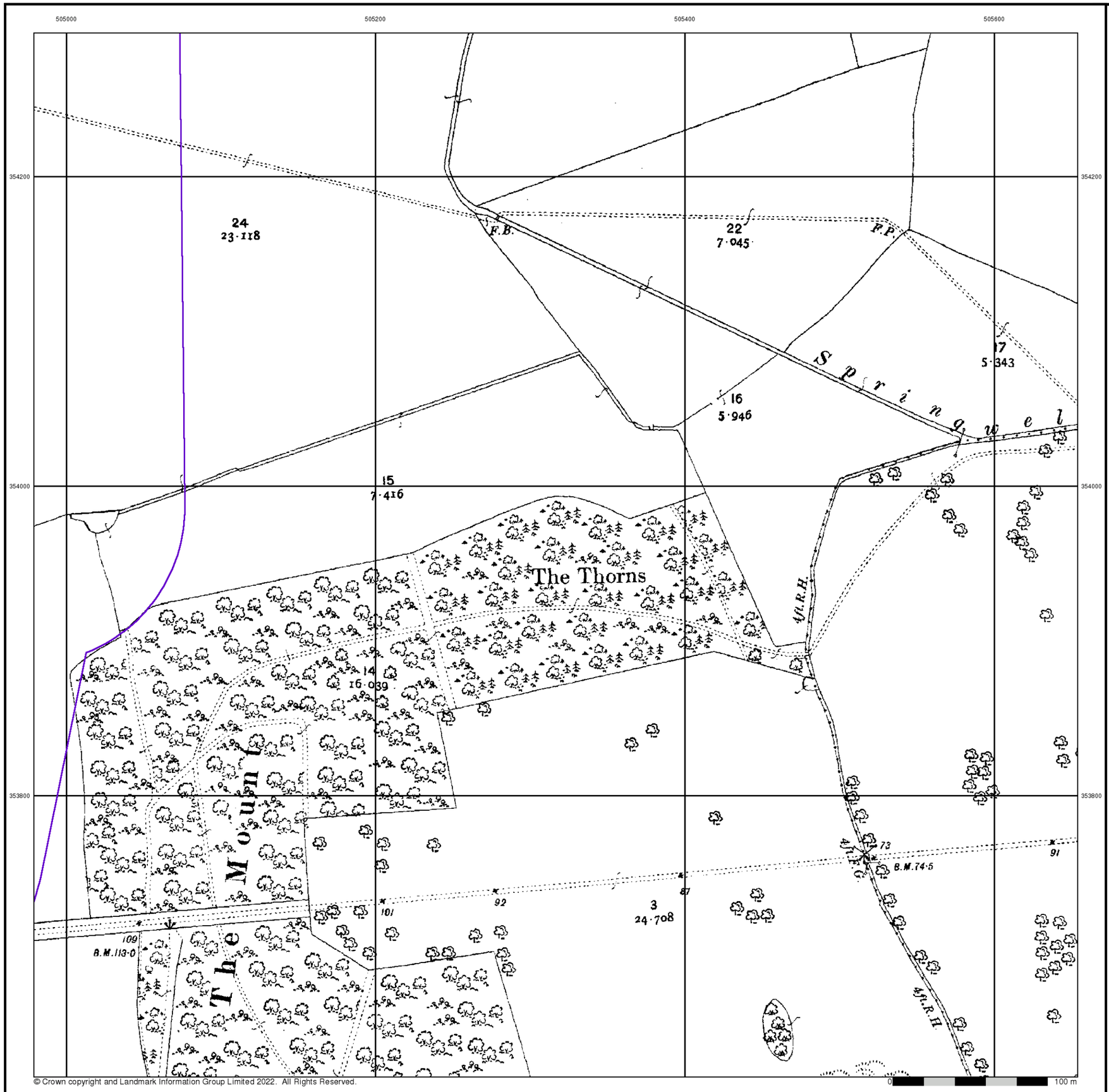

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Lincolnshire

Published 1905

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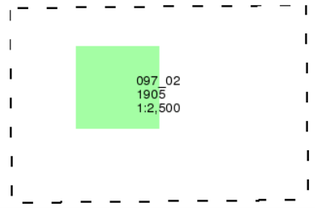
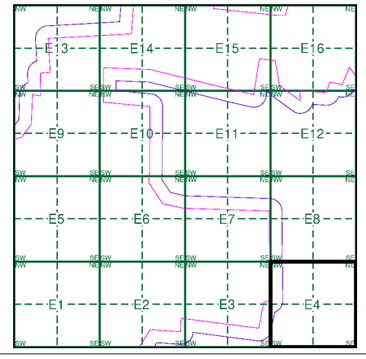


Historical Map - Segment E4



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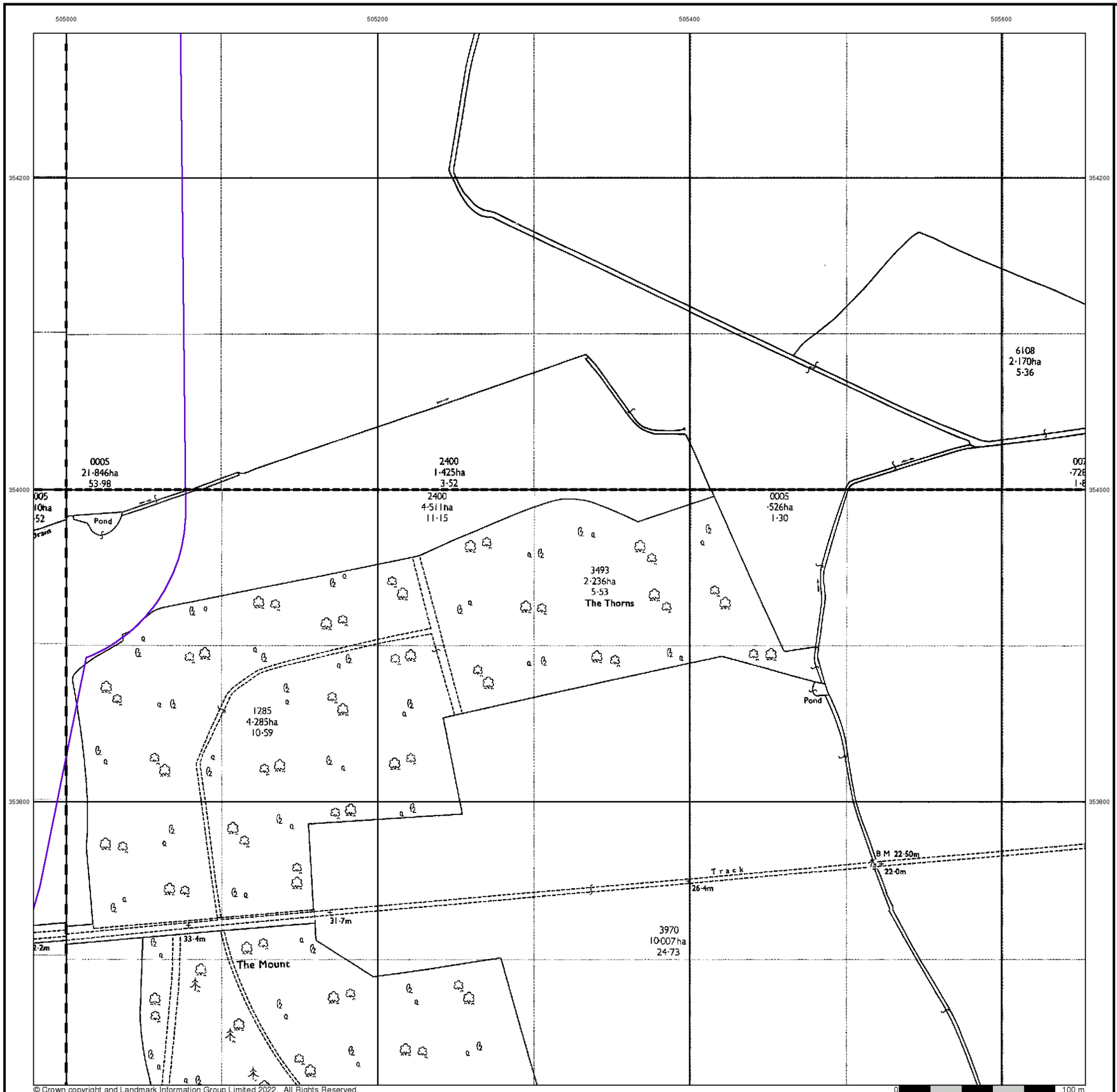

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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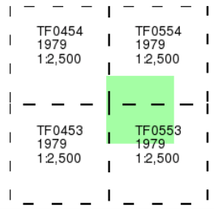
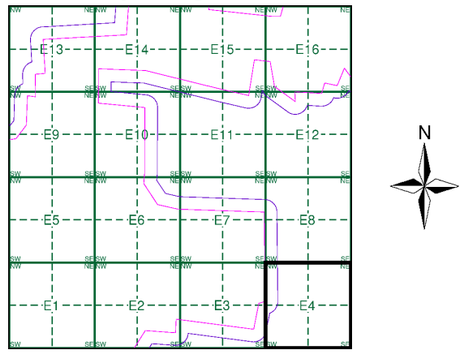
Map Name(s) and Date(s)



Historical Map - Segment E4



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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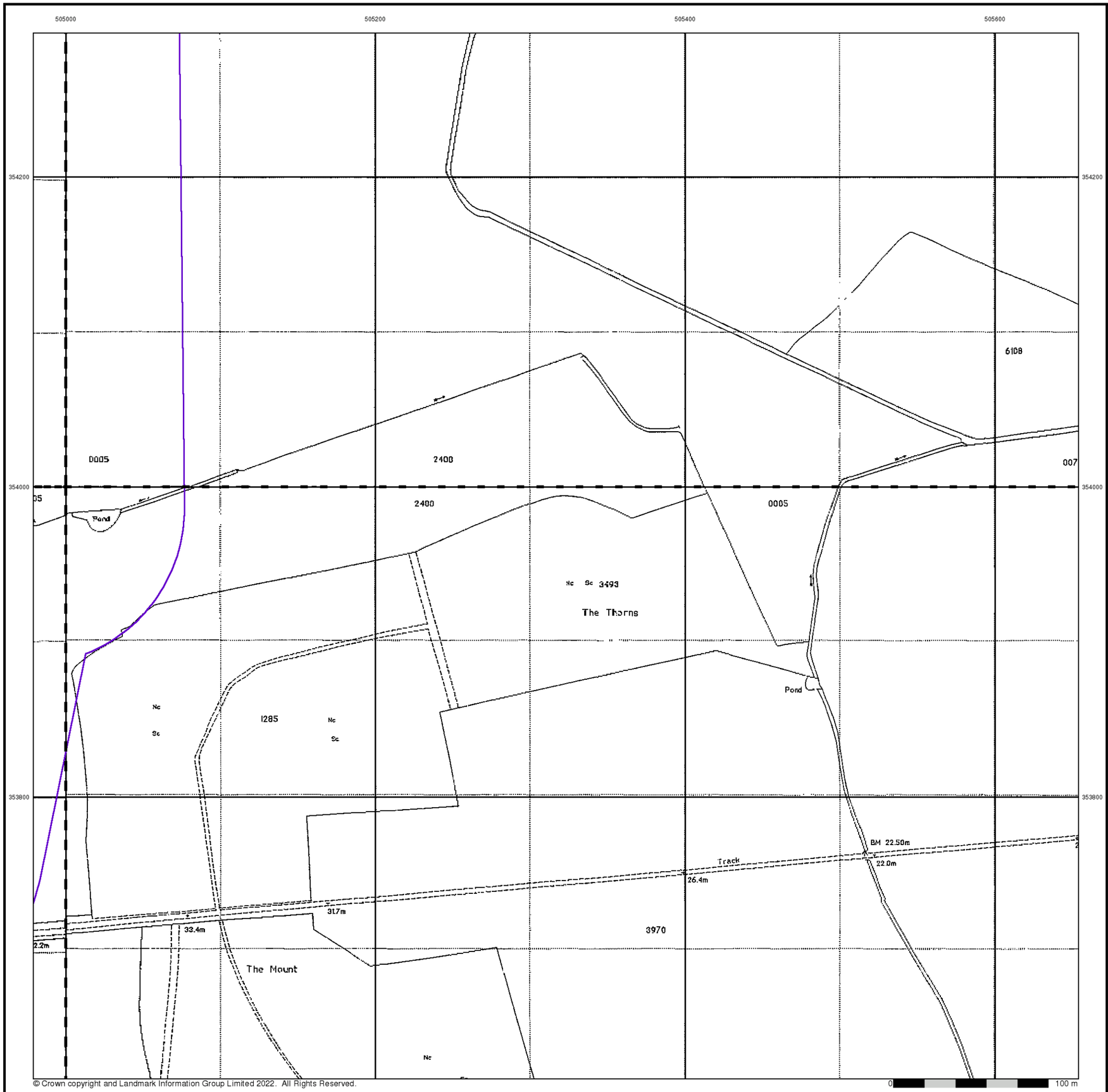
Web: www.envirocheck.co.uk



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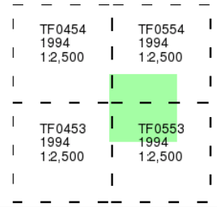
Large-Scale National Grid Data

Published 1994

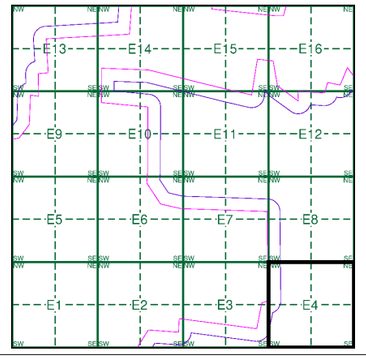
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E4



Order Details

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Slice:	E
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Search Buffer (m):	100

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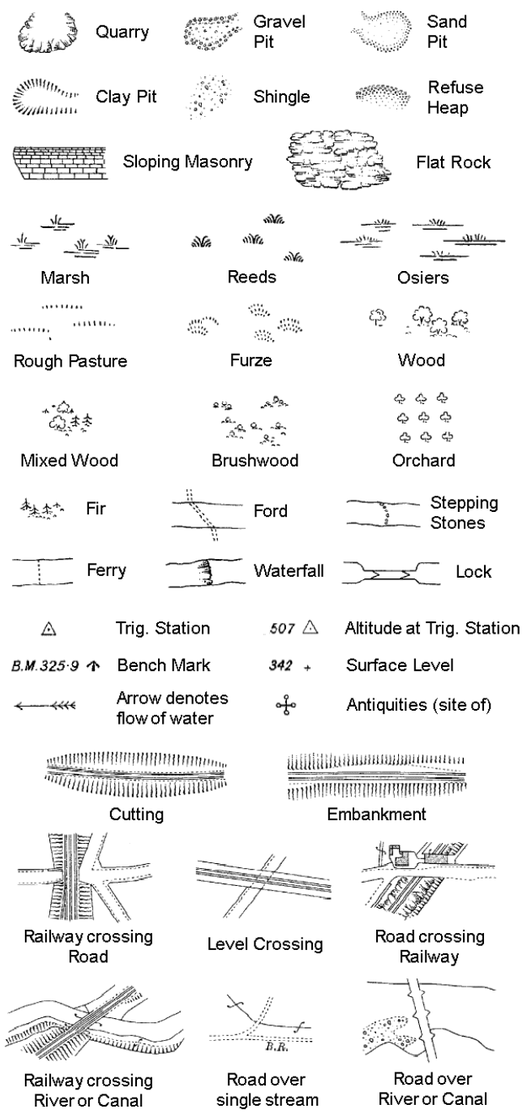
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

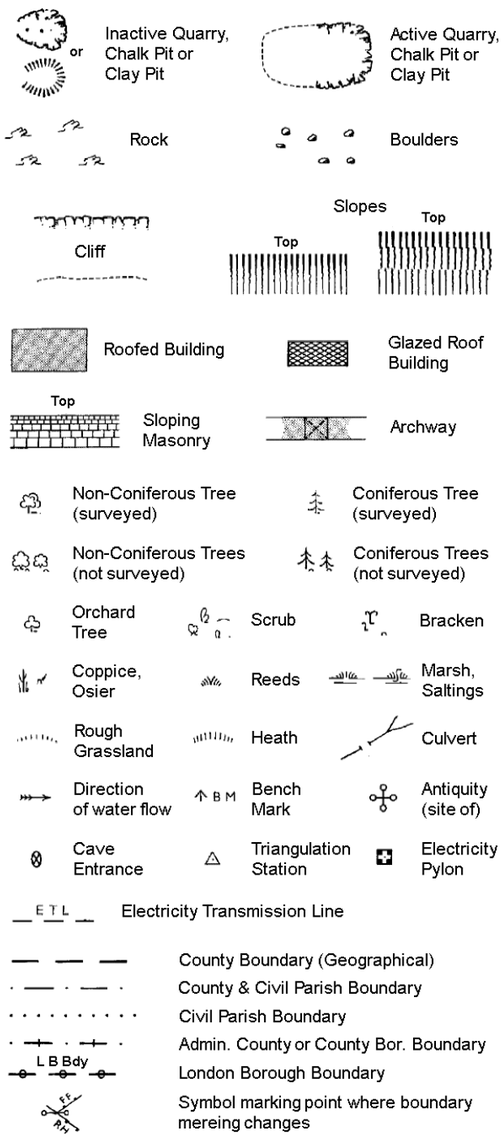
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

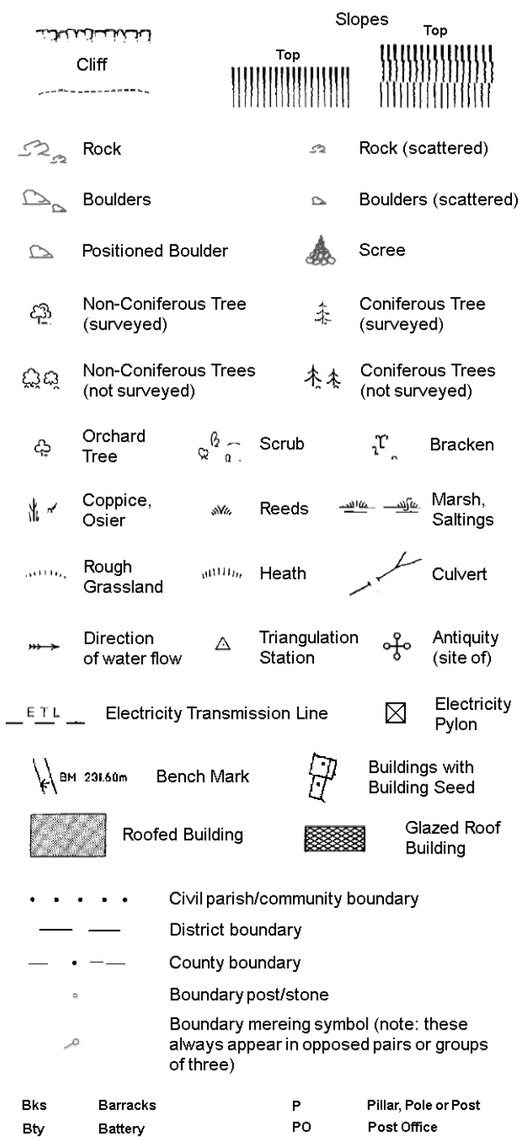
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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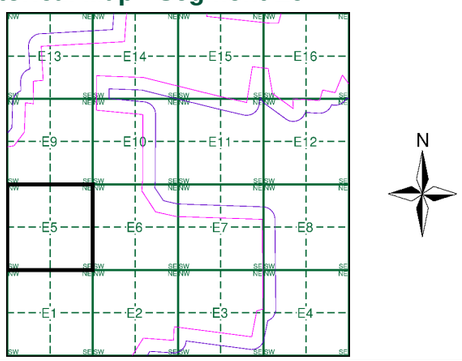
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E5



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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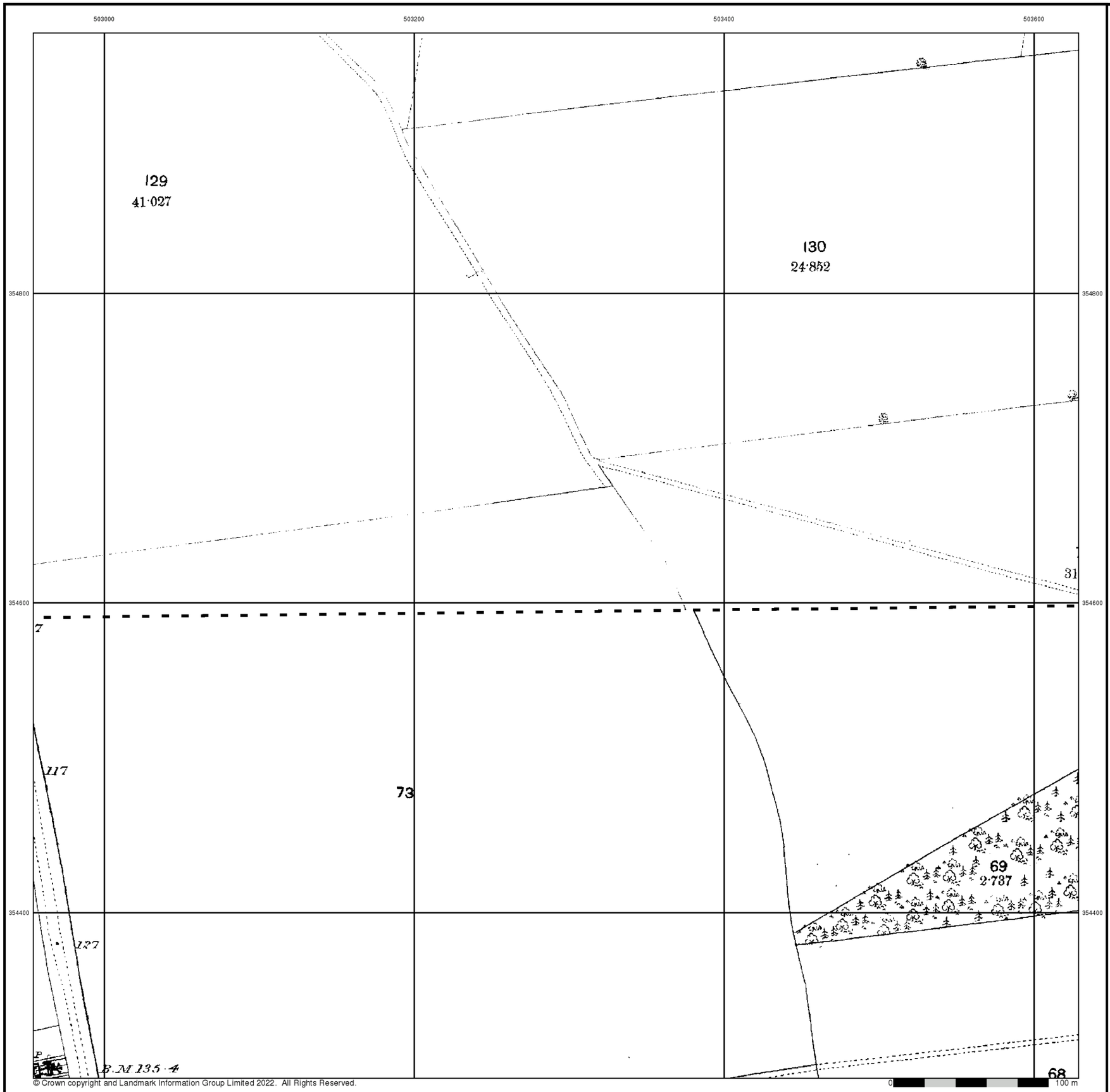

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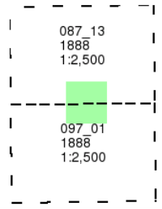
Lincolnshire

Published 1888

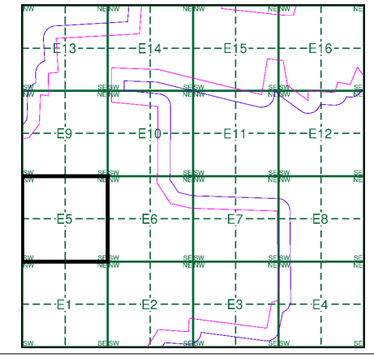
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment E5



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Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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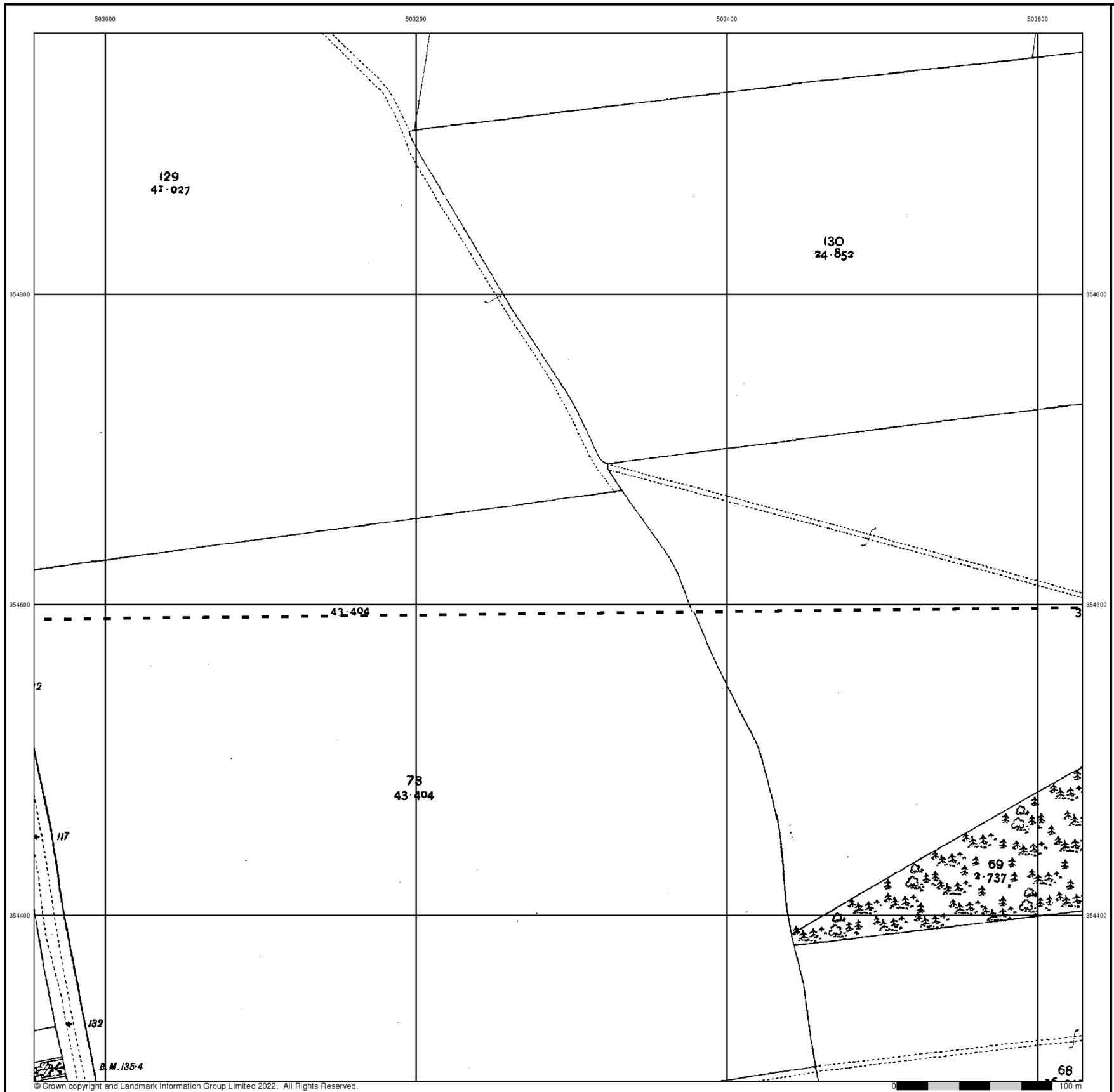

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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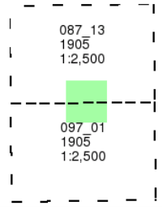
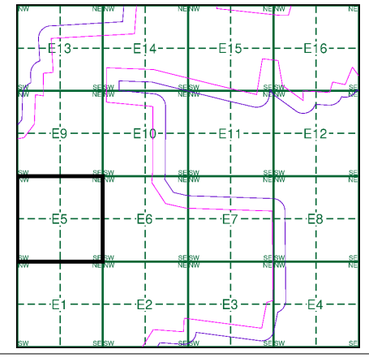


Historical Map - Segment E5



Order Details

Order Number:	303381609_1_1
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National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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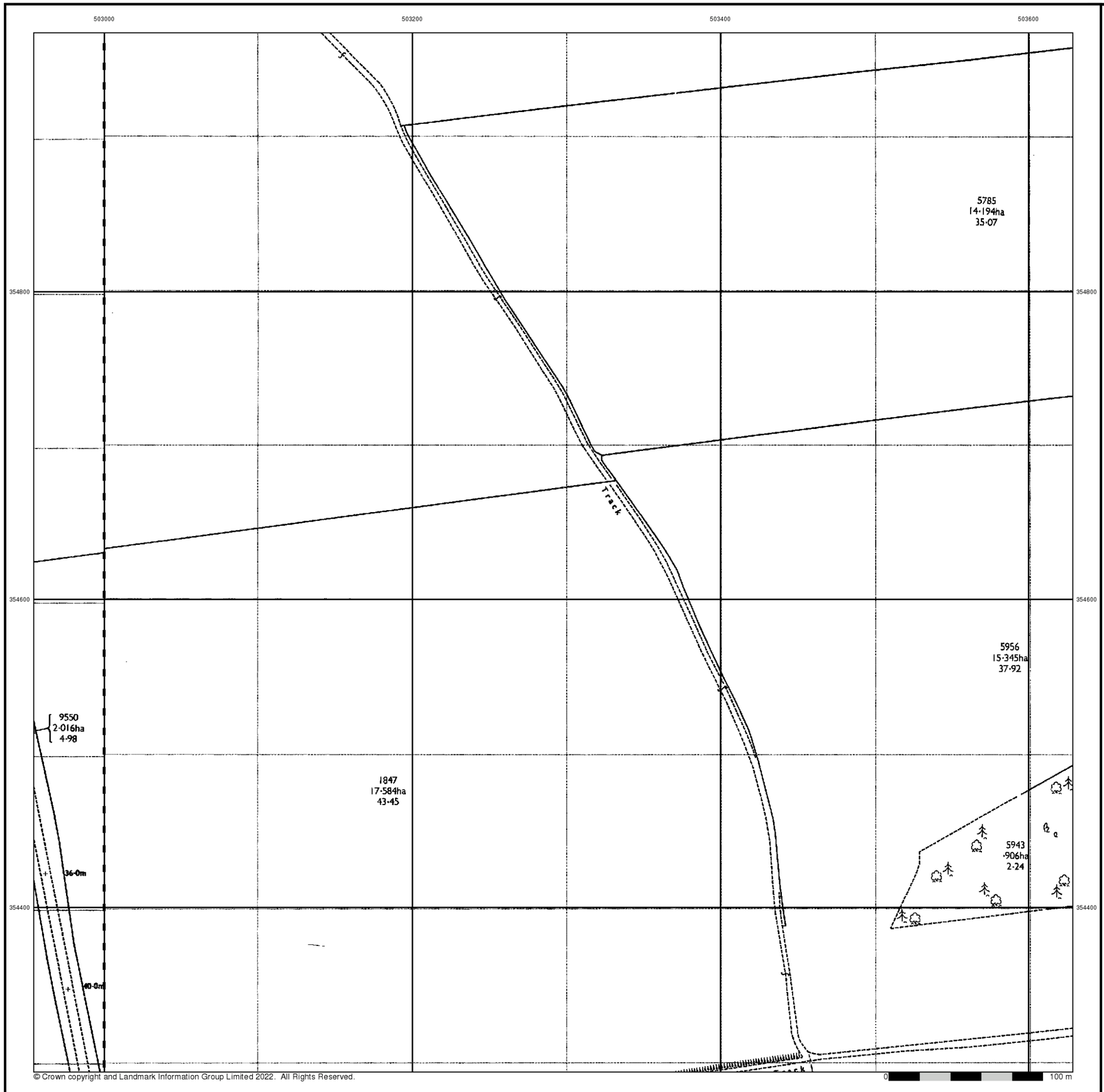

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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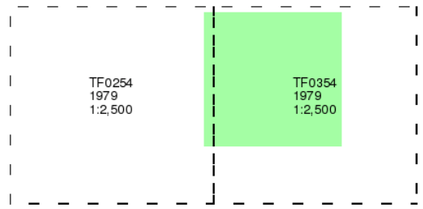
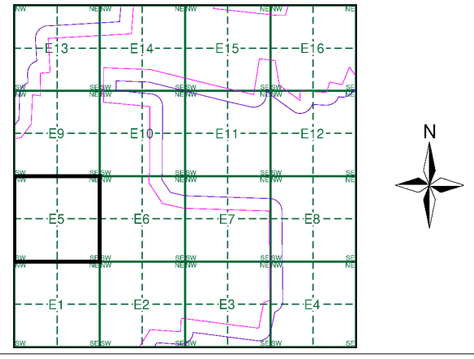
Map Name(s) and Date(s)



Historical Map - Segment E5



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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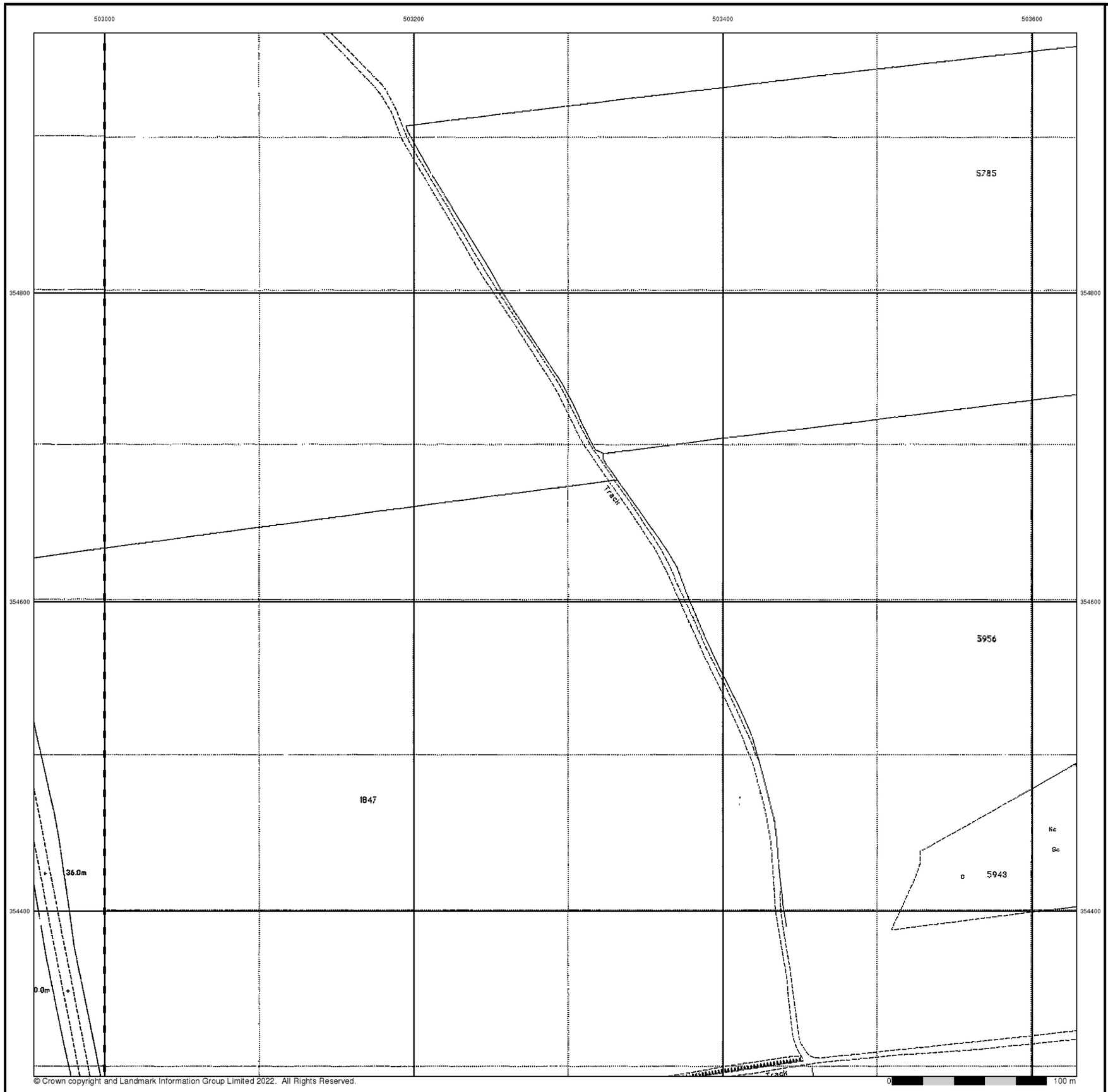

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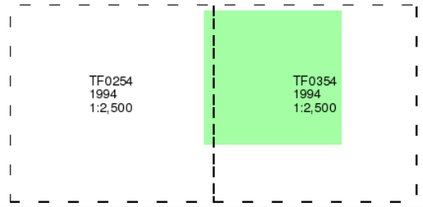
Large-Scale National Grid Data

Published 1994

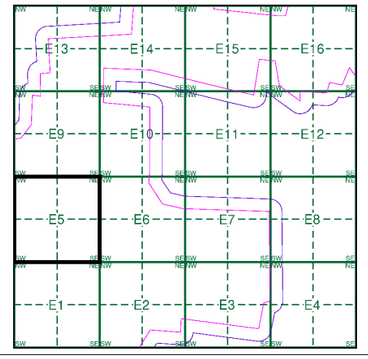
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E5



Order Details

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Site Details

All Areas New

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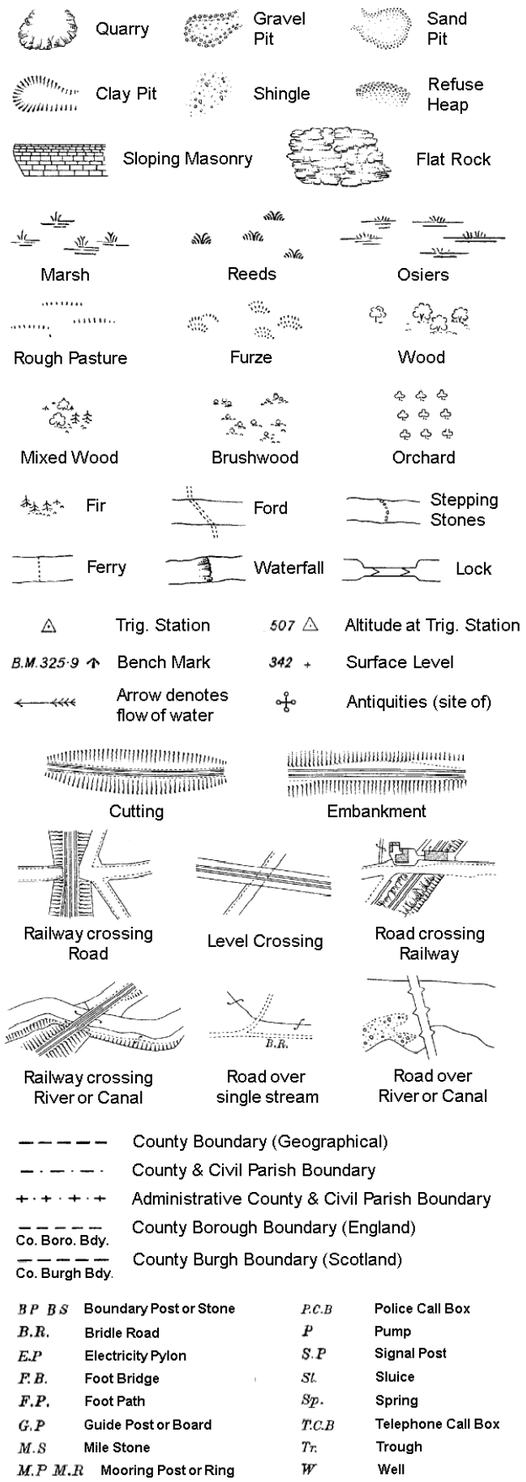
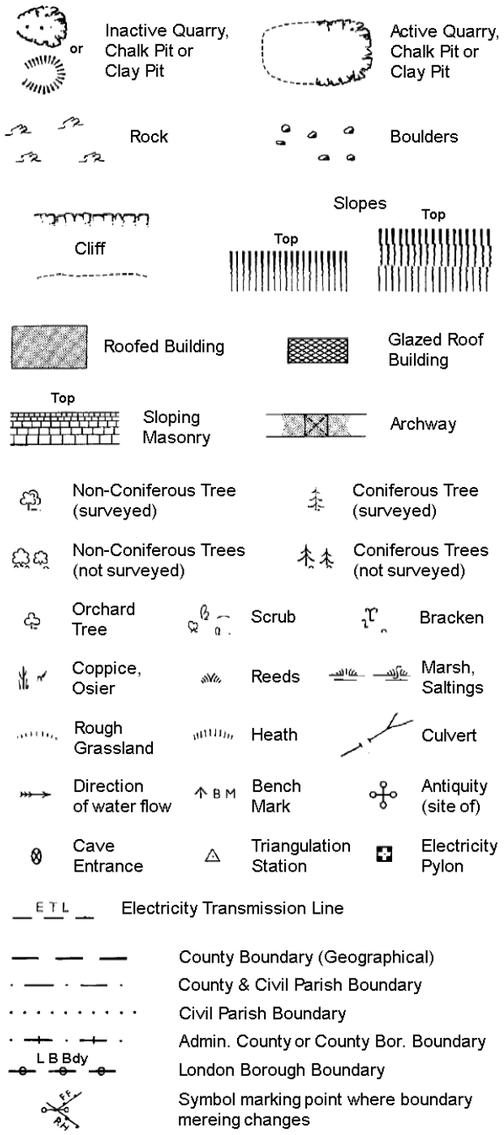
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



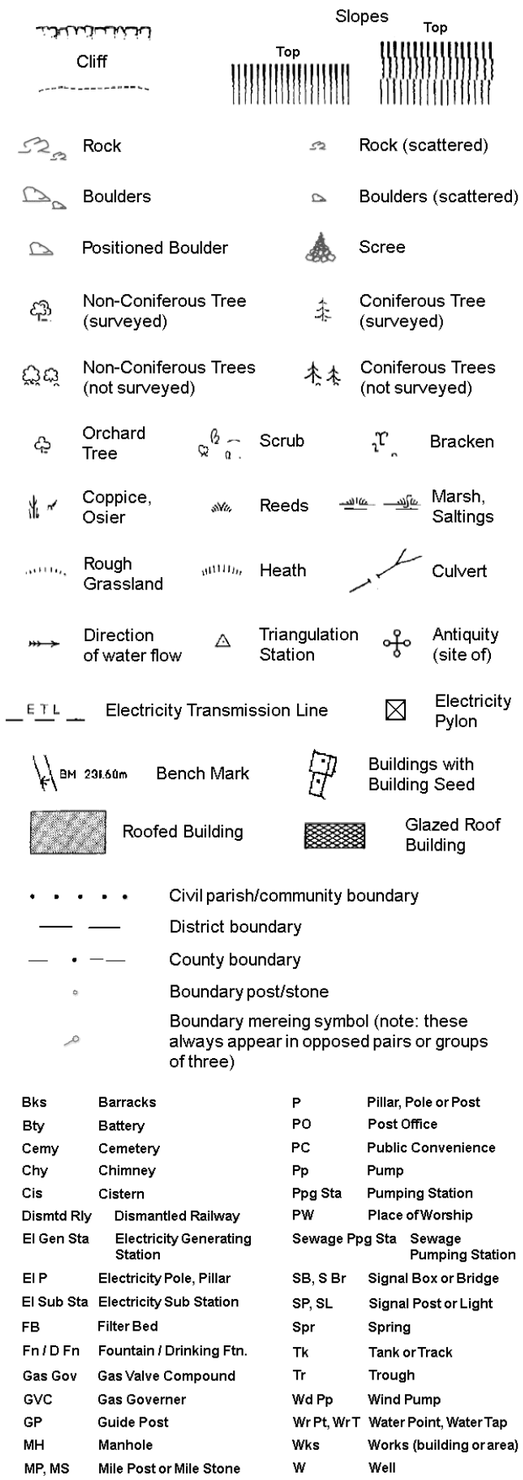
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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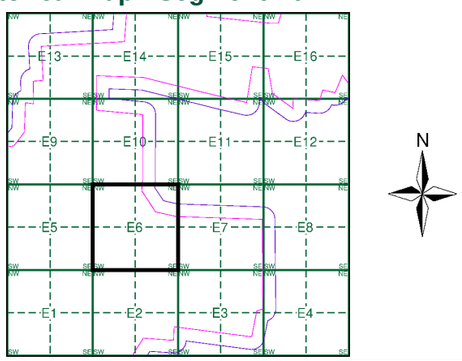
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E6



Order Details

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Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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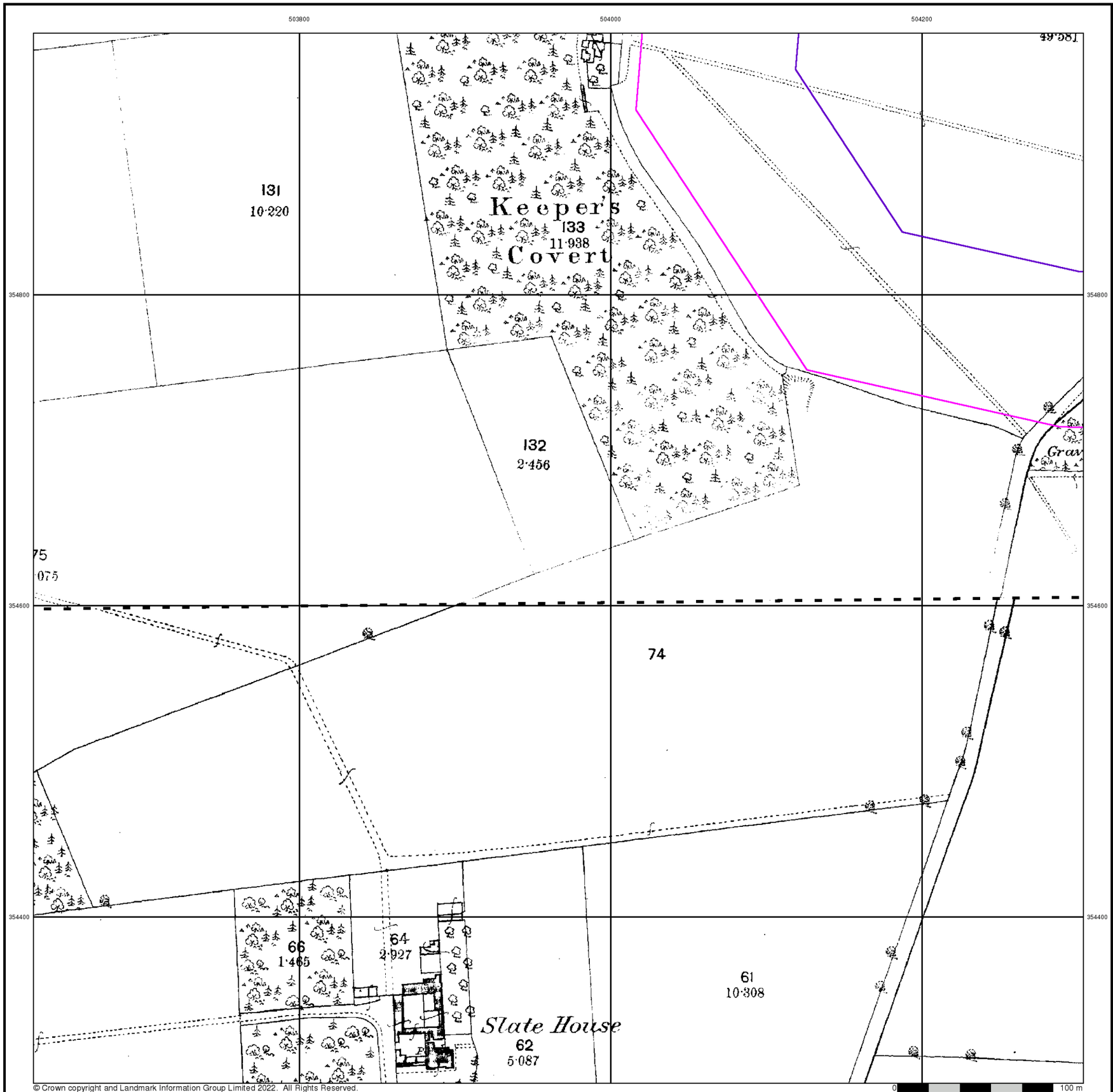

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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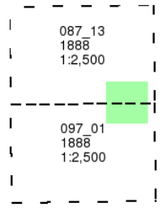
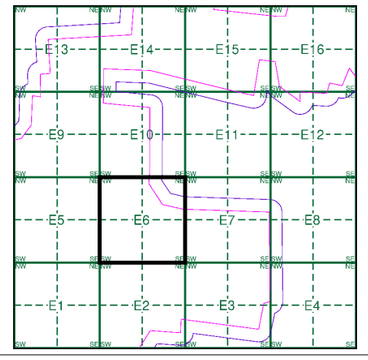
Map Name(s) and Date(s)



Historical Map - Segment E6



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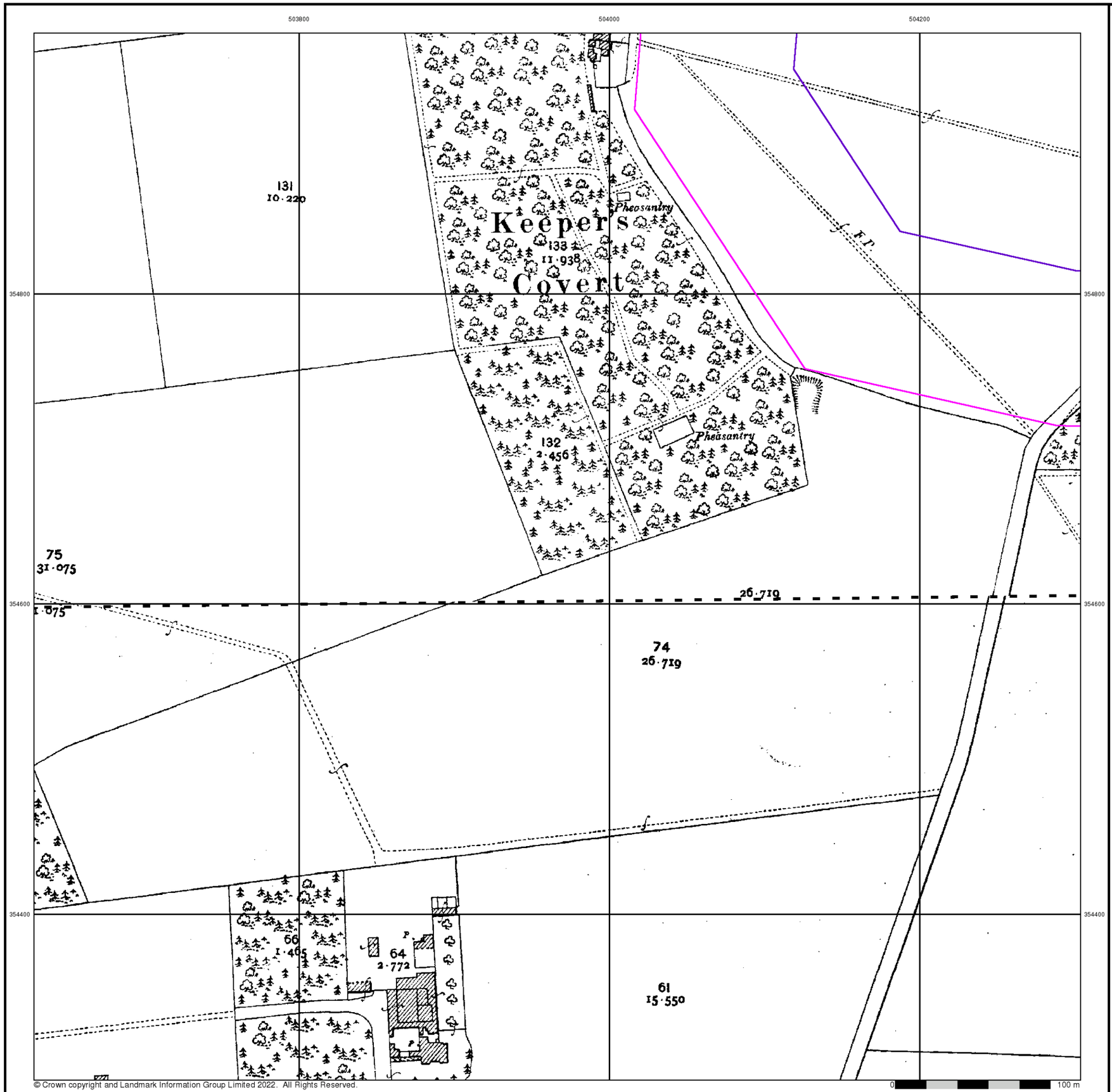

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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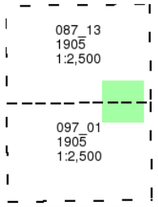
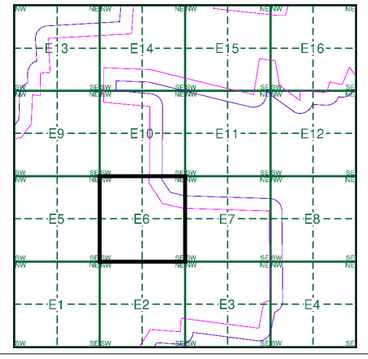
Map Name(s) and Date(s)



Historical Map - Segment E6



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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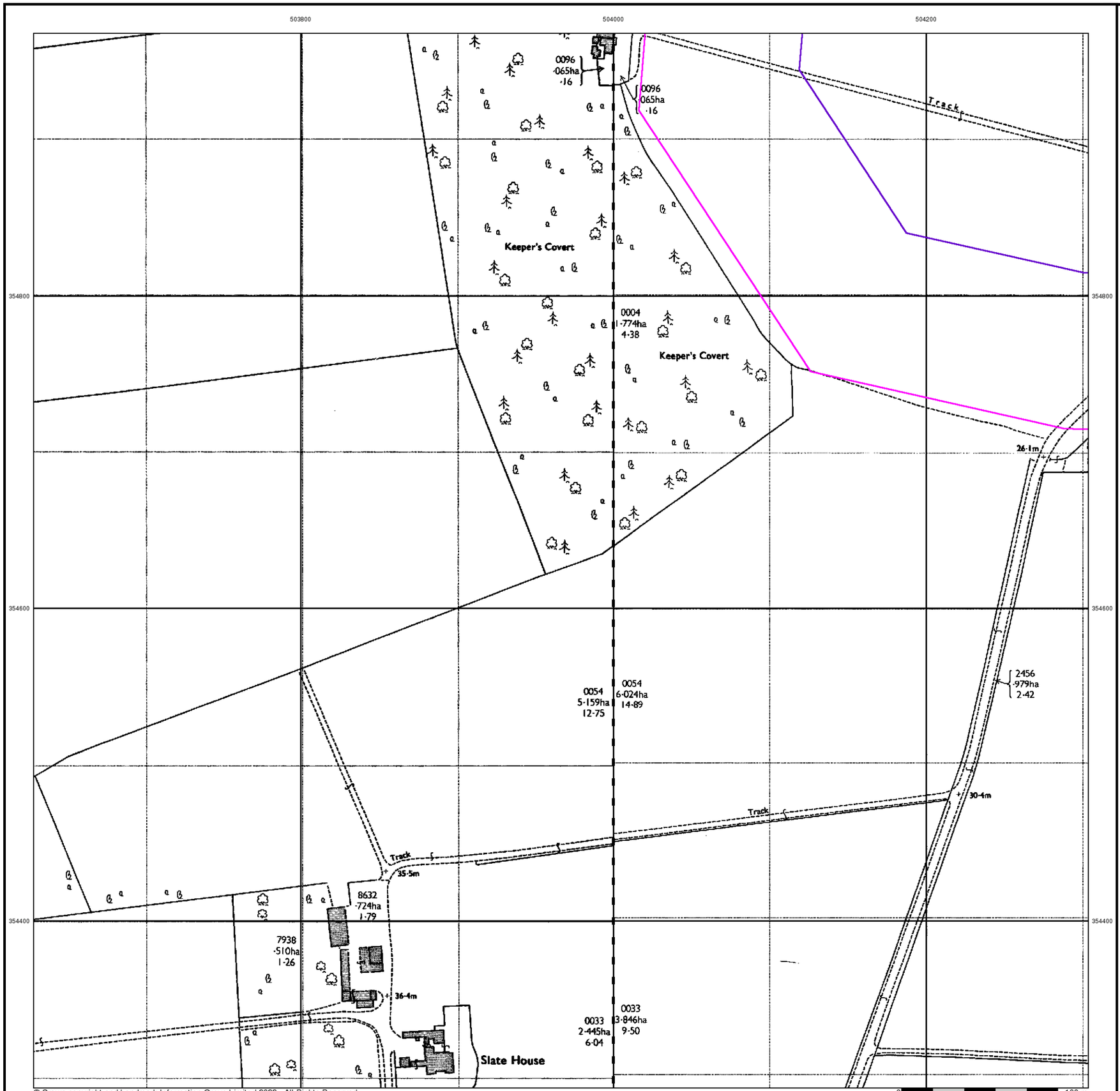

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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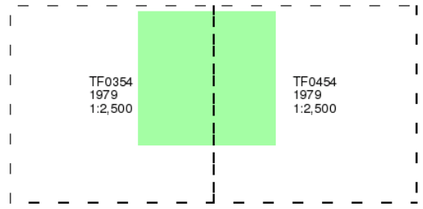
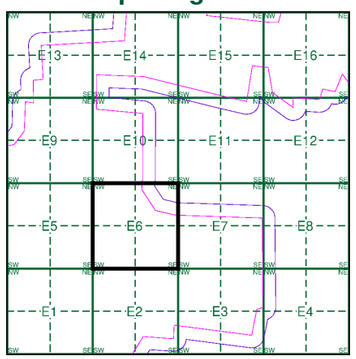


Historical Map - Segment E6



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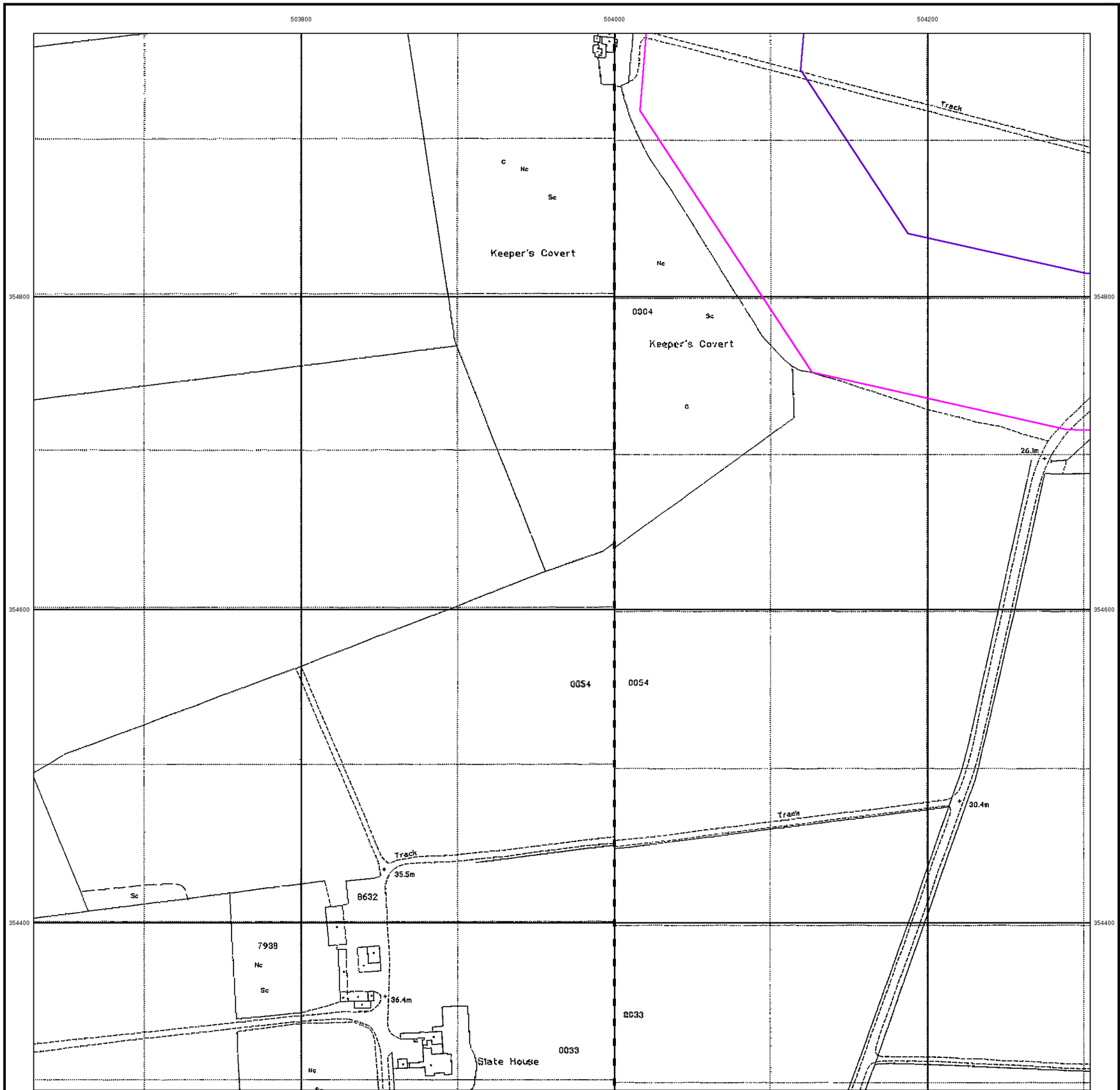

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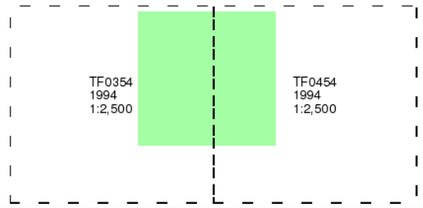
Large-Scale National Grid Data

Published 1994

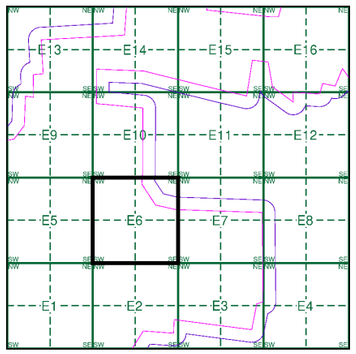
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E6



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

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All Areas New

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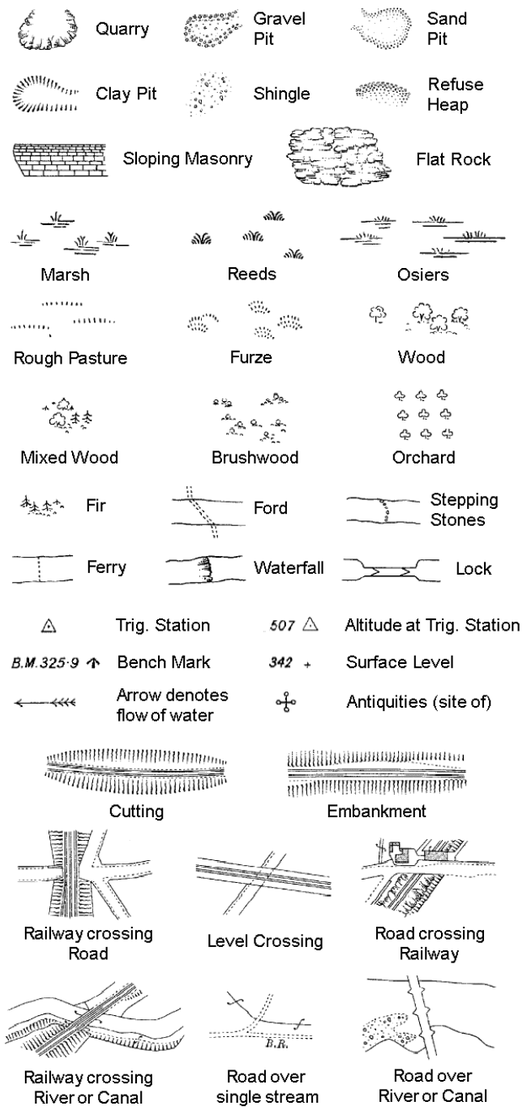
Historical Mapping Legends

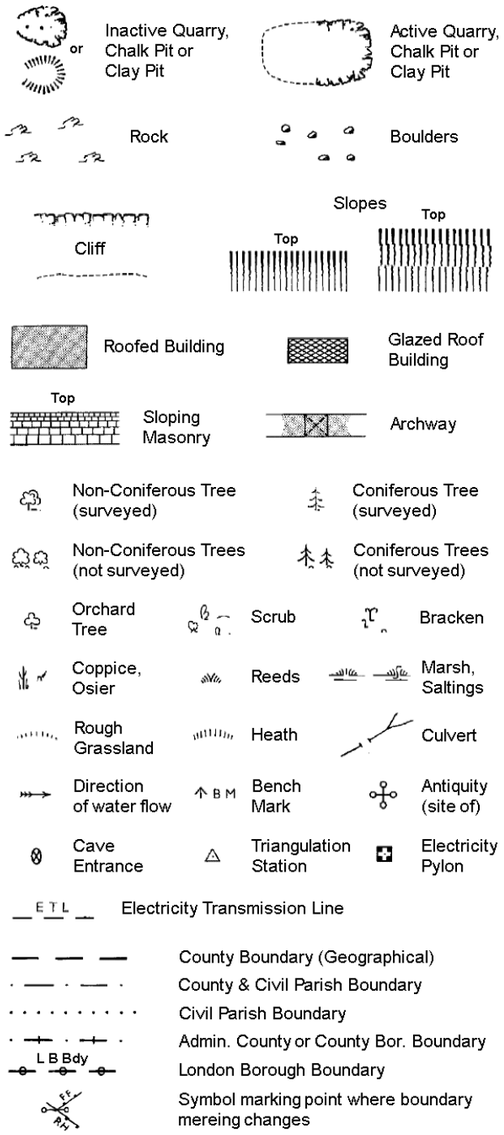
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

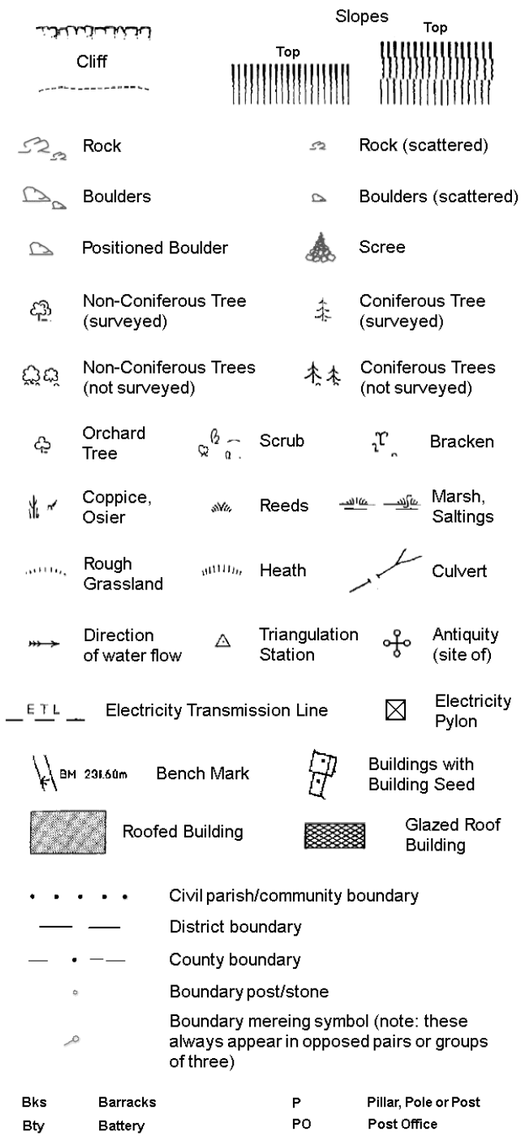
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

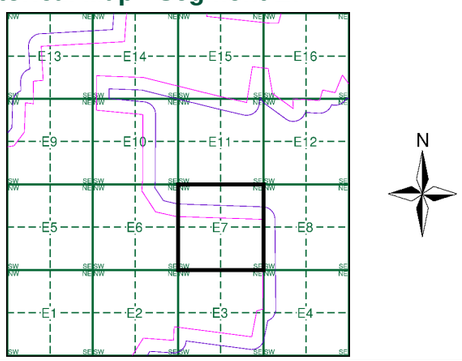
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E7



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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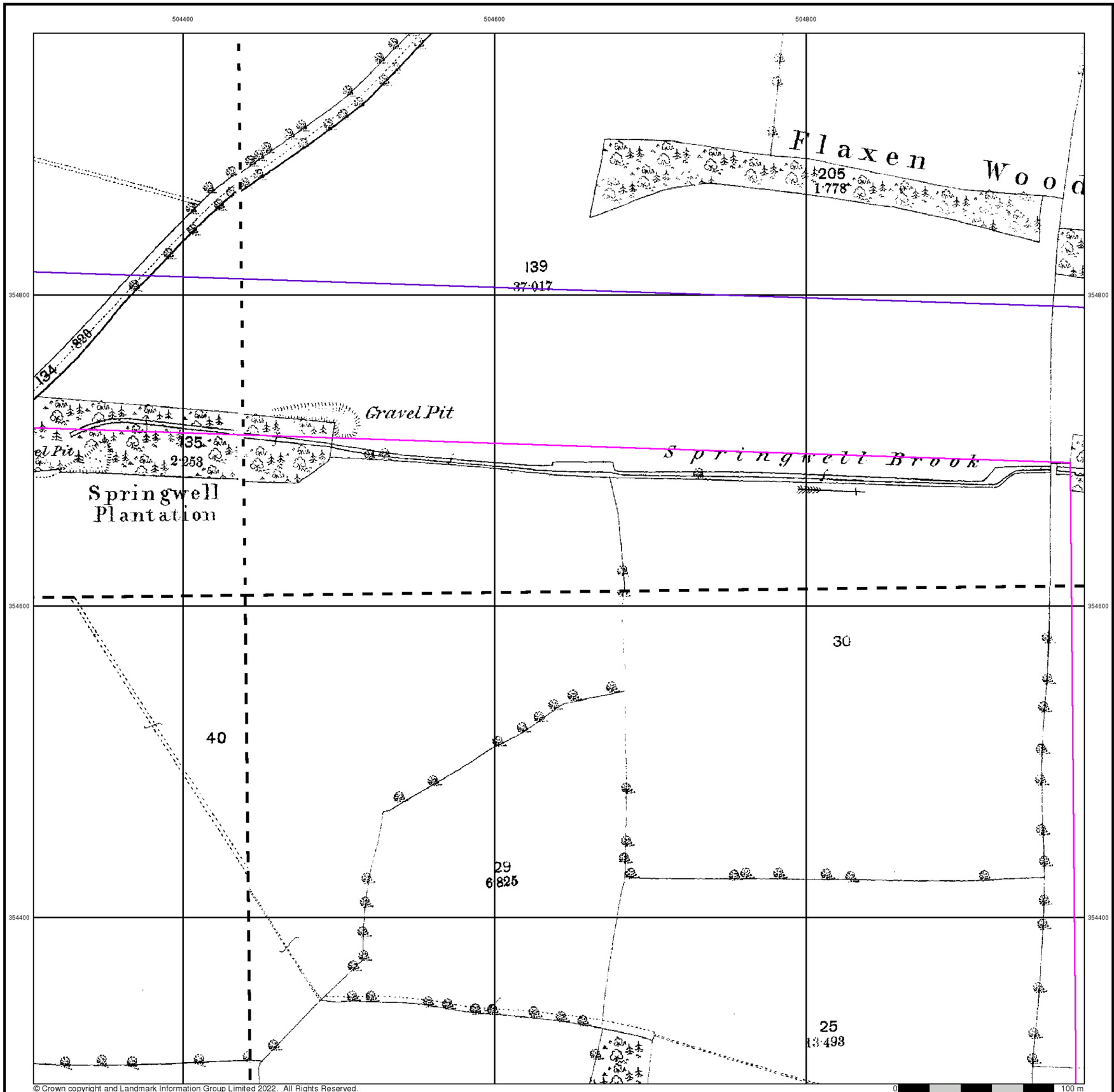

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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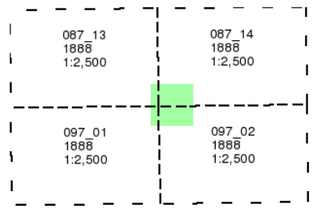
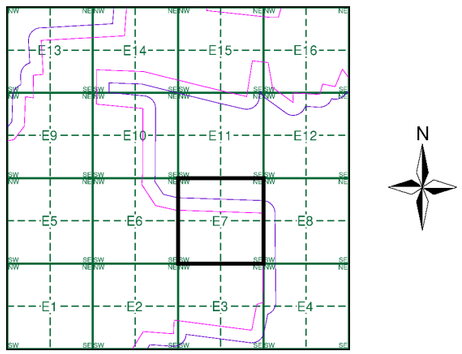
Map Name(s) and Date(s)



Historical Map - Segment E7



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
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Site Details

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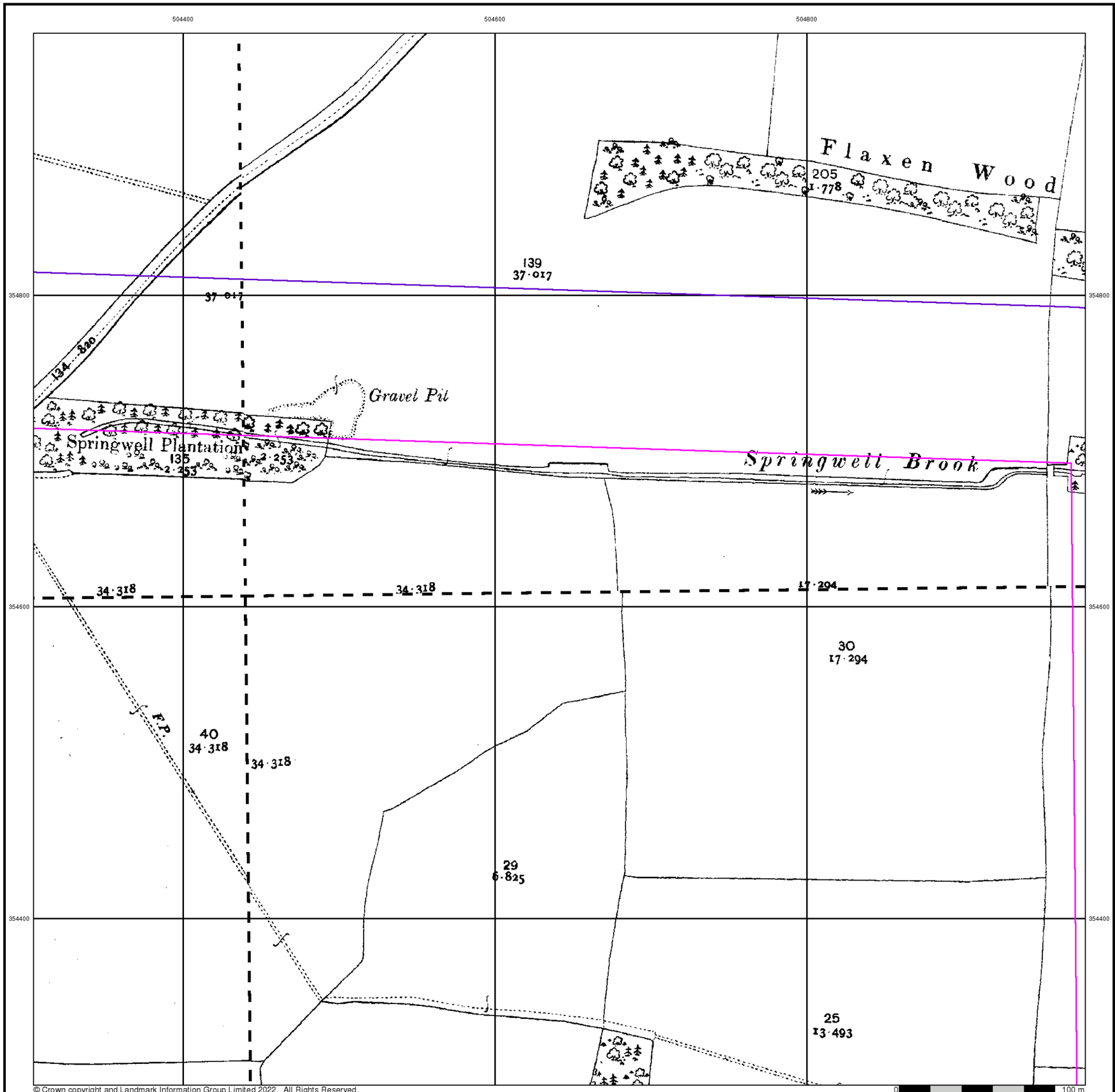

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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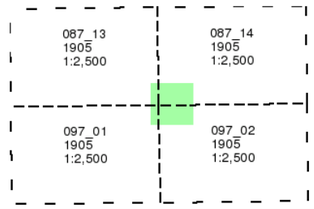
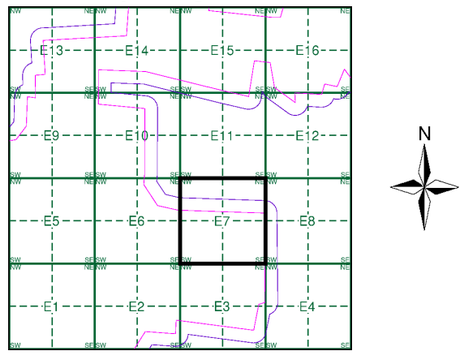


Historical Map - Segment E7



Order Details

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Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
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Site Details

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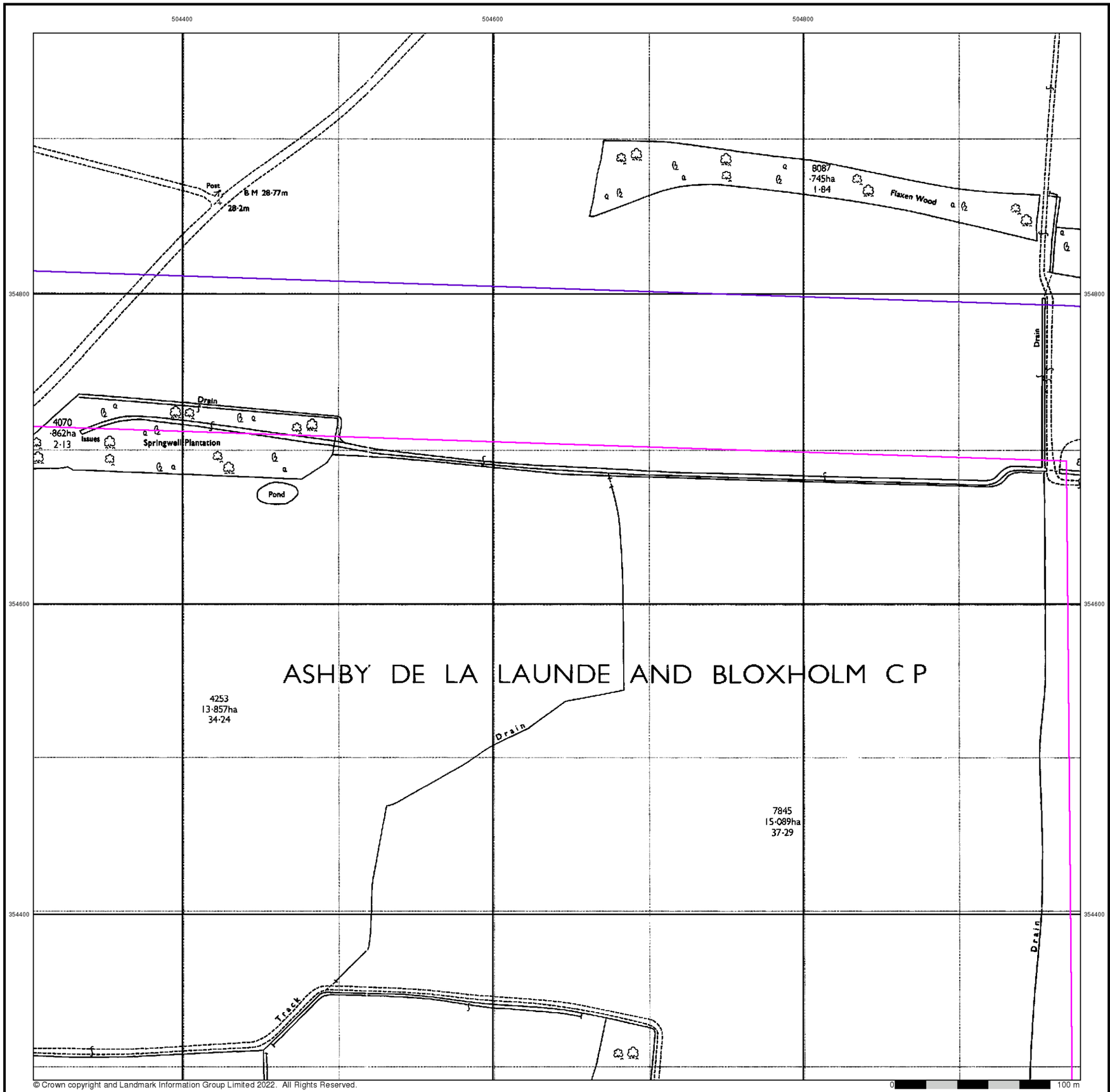

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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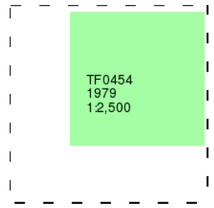
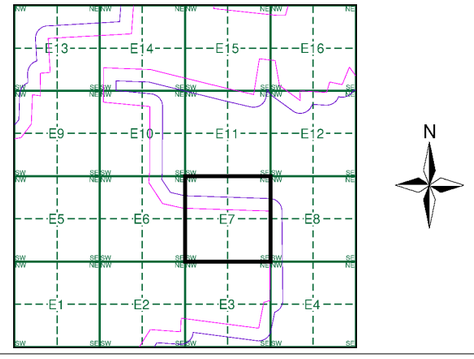


Historical Map - Segment E7



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504400 504600 504800

354800 354800

354600 354600

354400 354400

Post

BM 28.77m

28.2m

Nc Sc

80... Flaxen Wood

Drain

Drain

4070

Issues

Springwell Plantation

Sc Nc

Springwell Brook

Pond

4253

7845

Drain

Drain

Track

Nc

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0 100 m

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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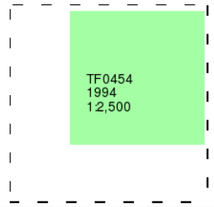
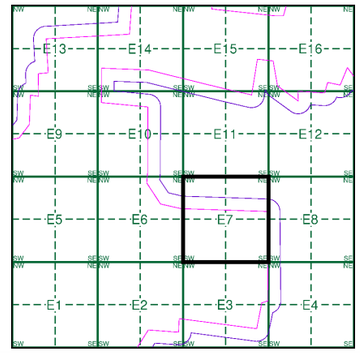


Historical Map - Segment E7



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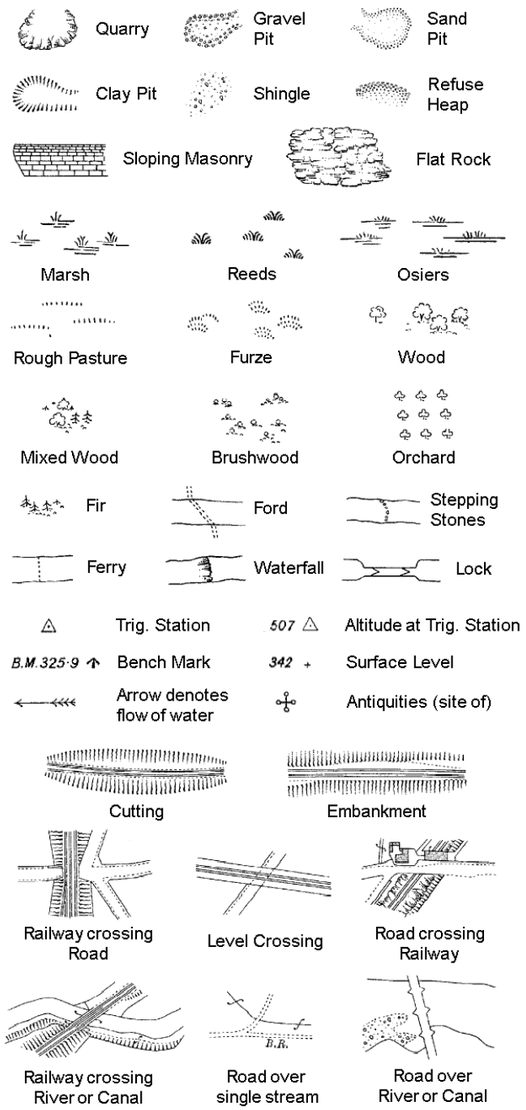
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

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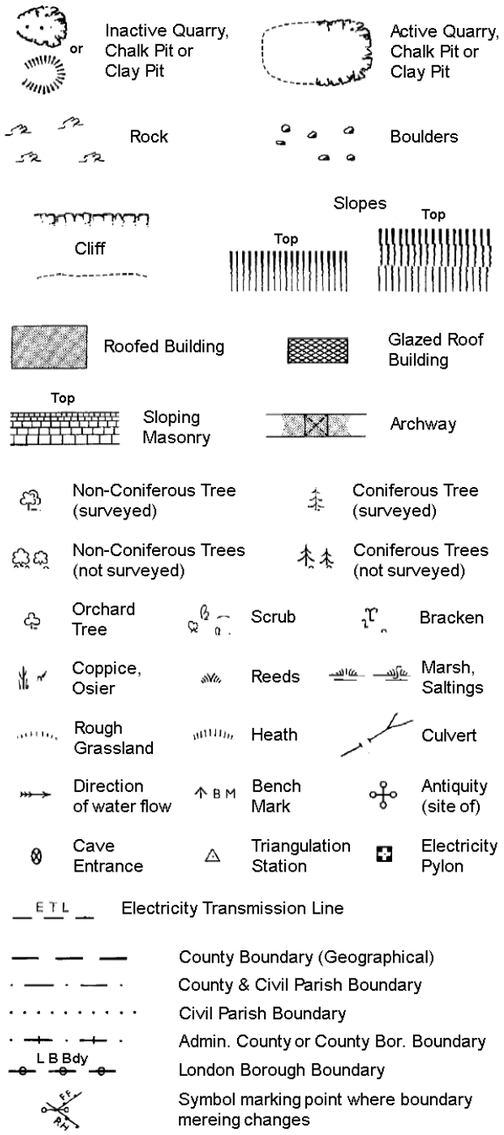
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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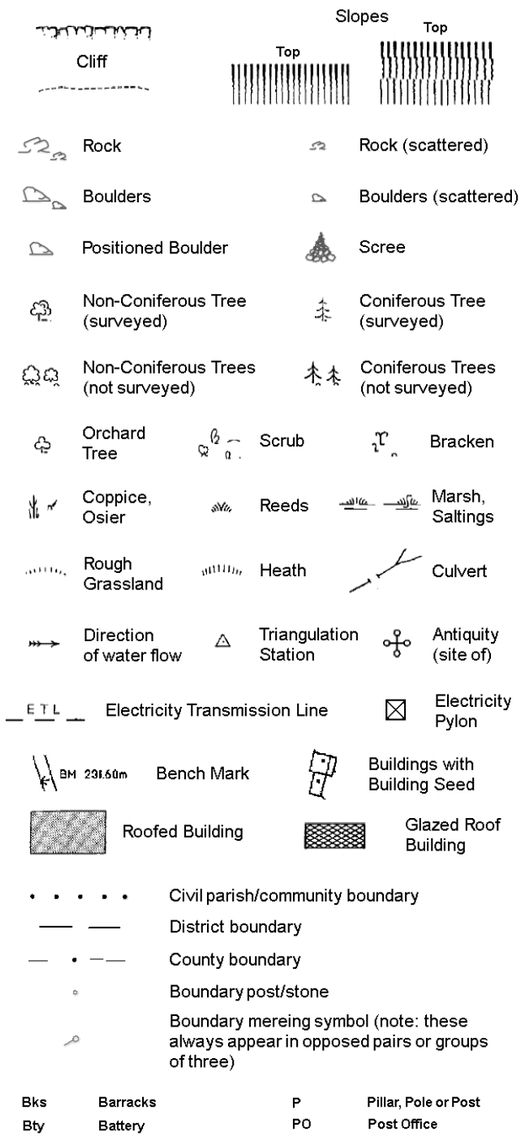
Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
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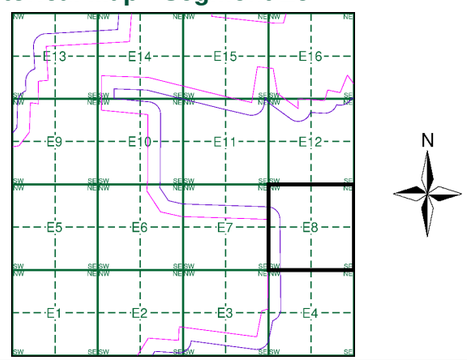
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E8



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Search Buffer (m): 100

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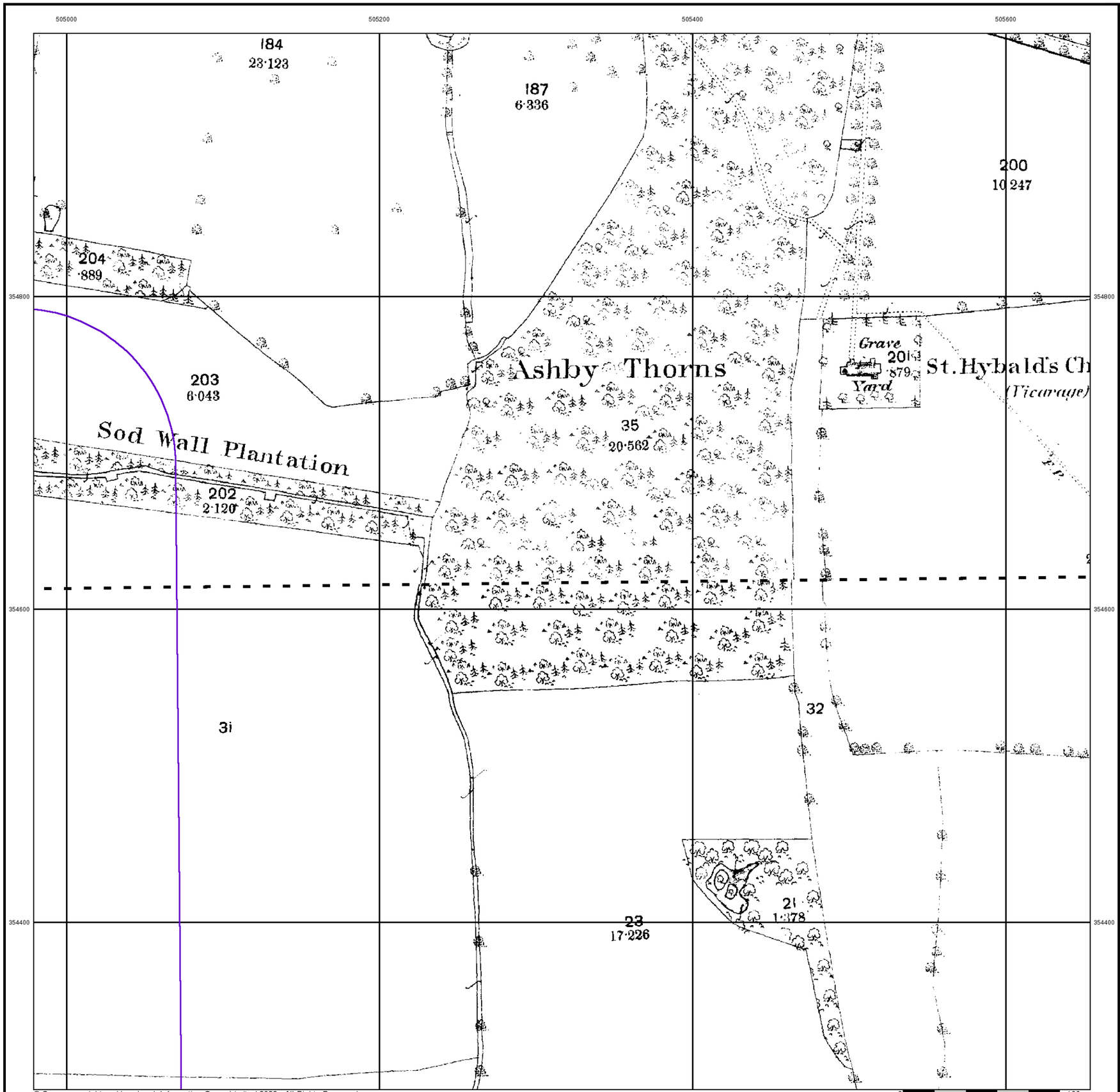

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RSK

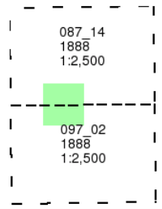
Lincolnshire

Published 1888

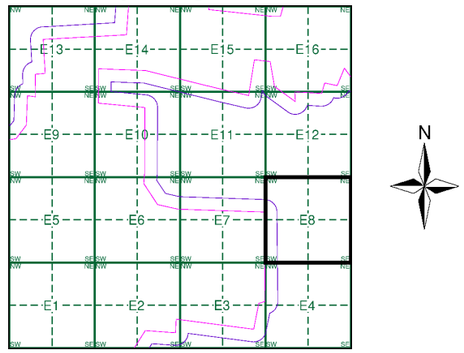
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment E8



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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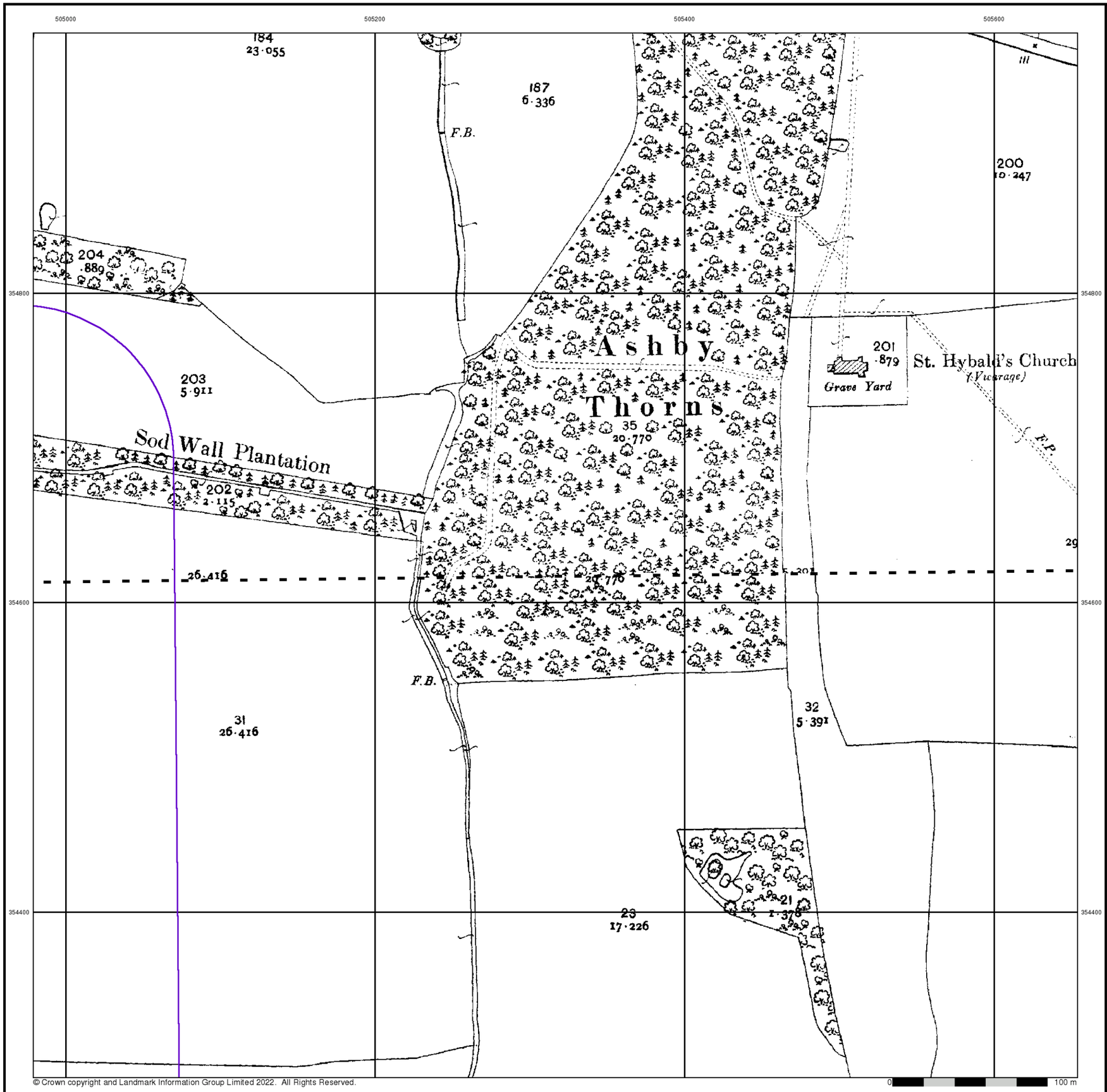

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0 100 m

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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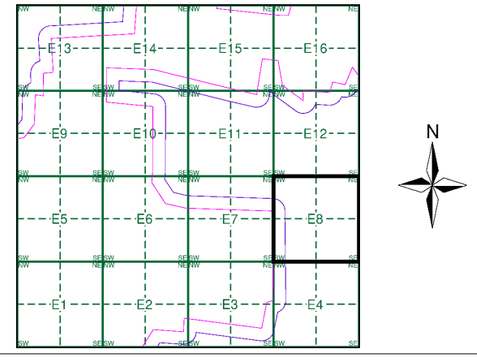
Map Name(s) and Date(s)

087_14
1905
1:2,500

097_02
1905
1:2,500

Historical Map - Segment E8



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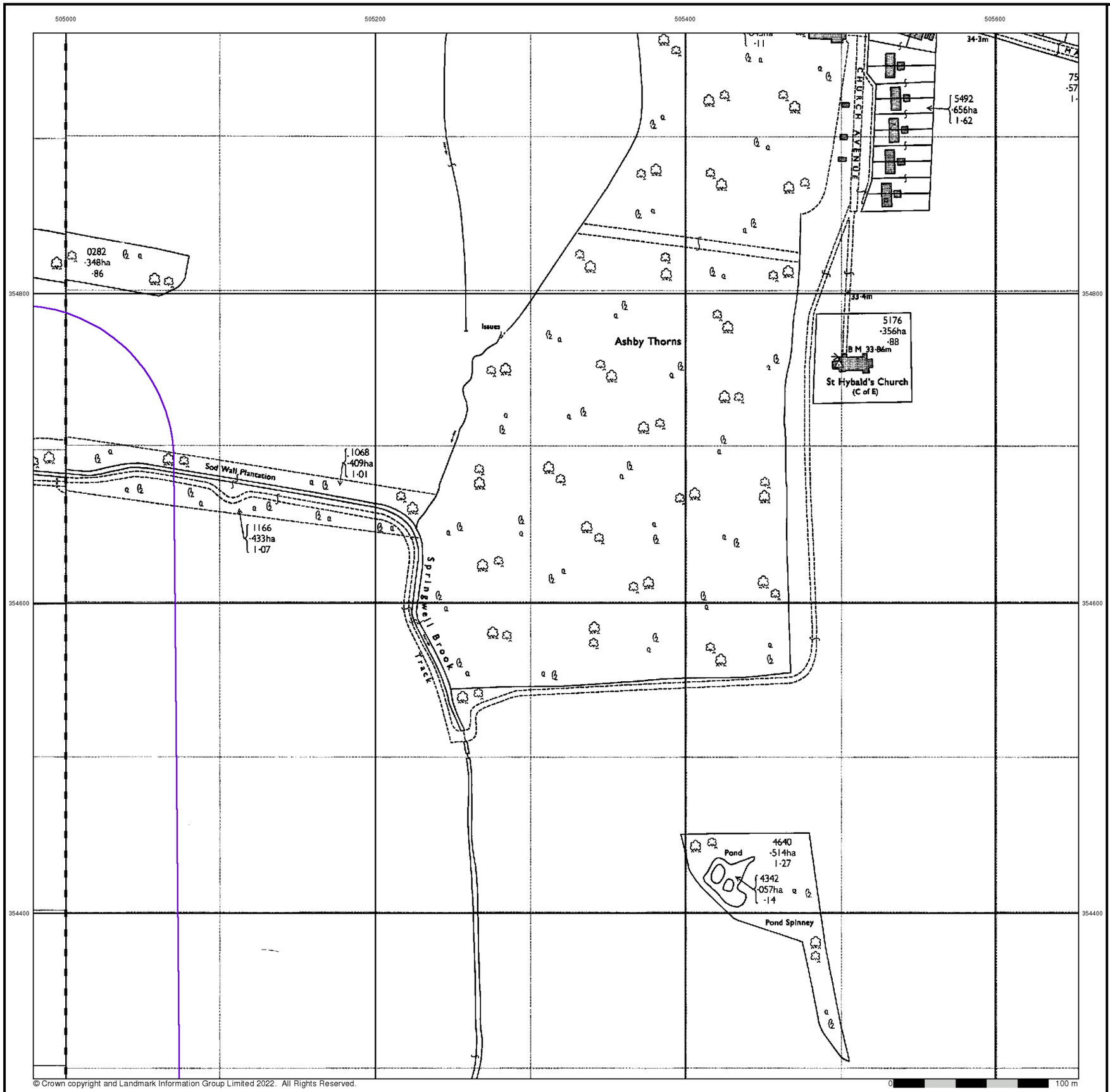

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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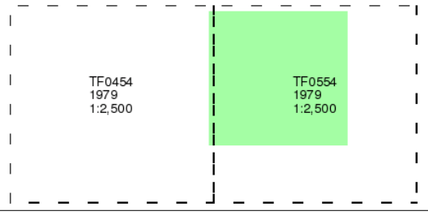
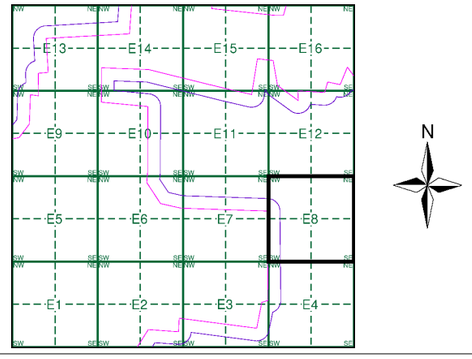


Historical Map - Segment E8



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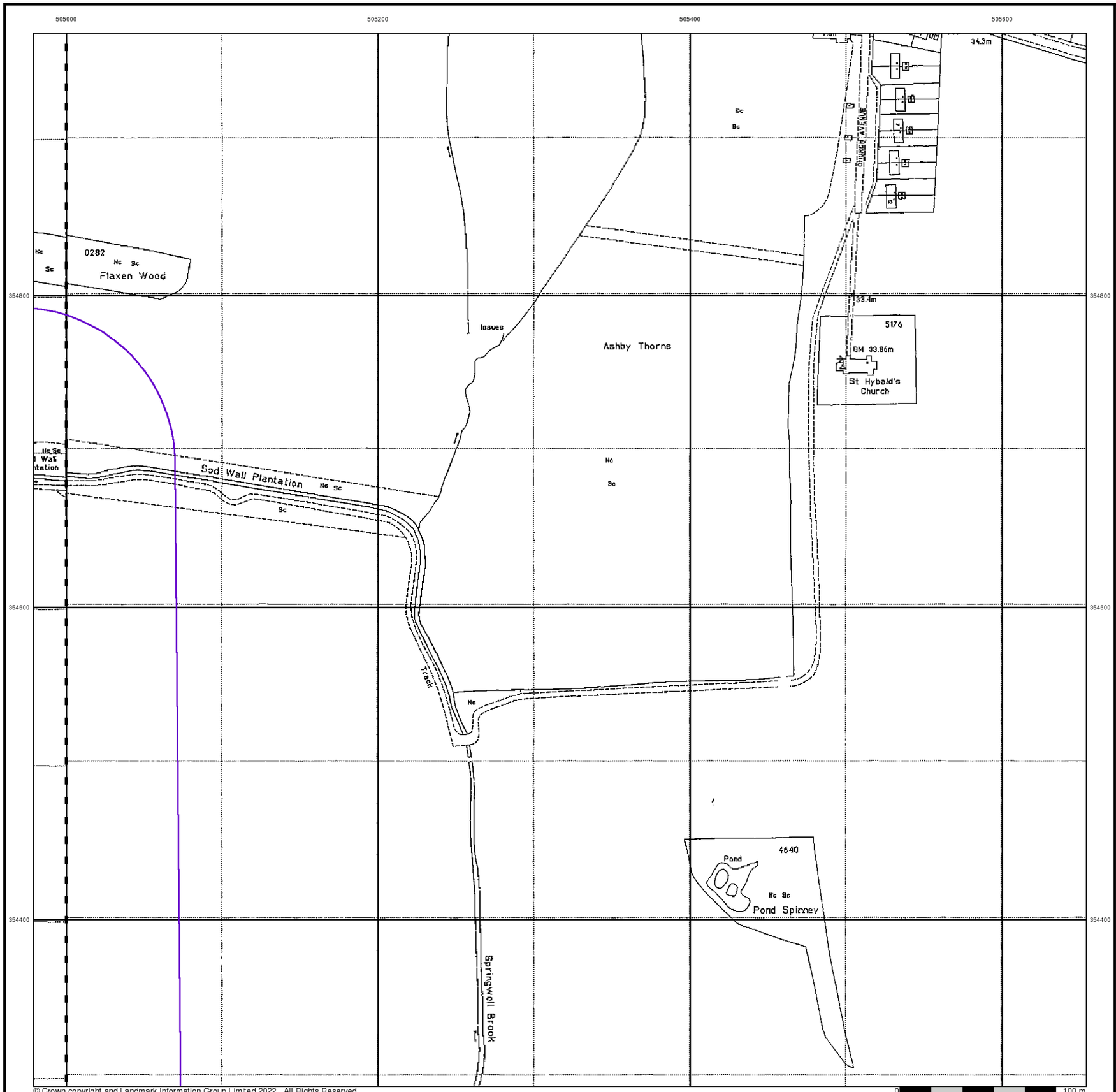

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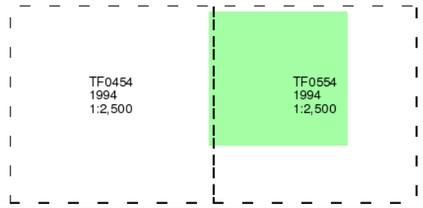
Large-Scale National Grid Data

Published 1994

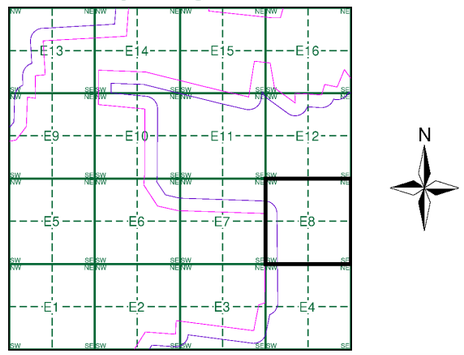
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E8



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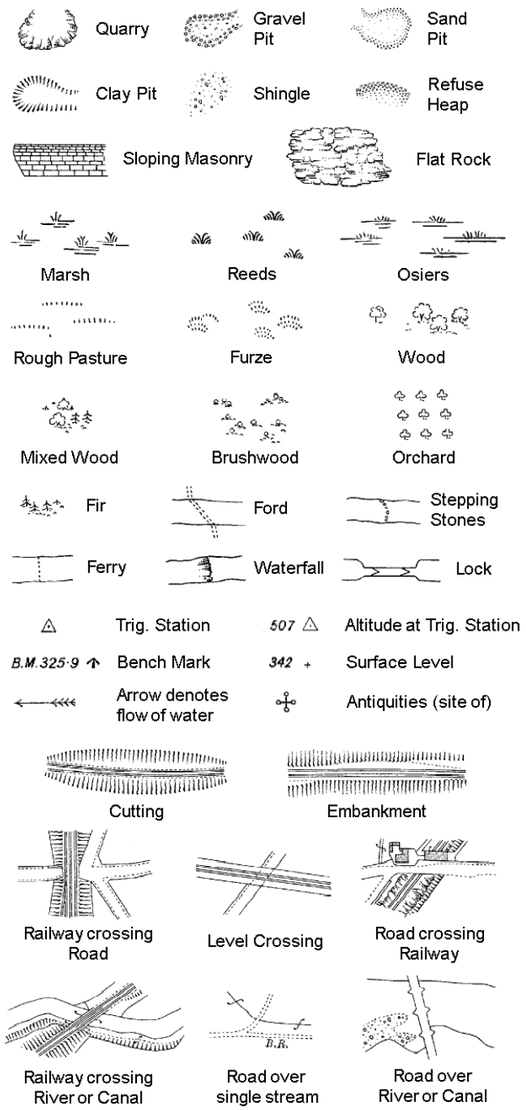
Historical Mapping Legends

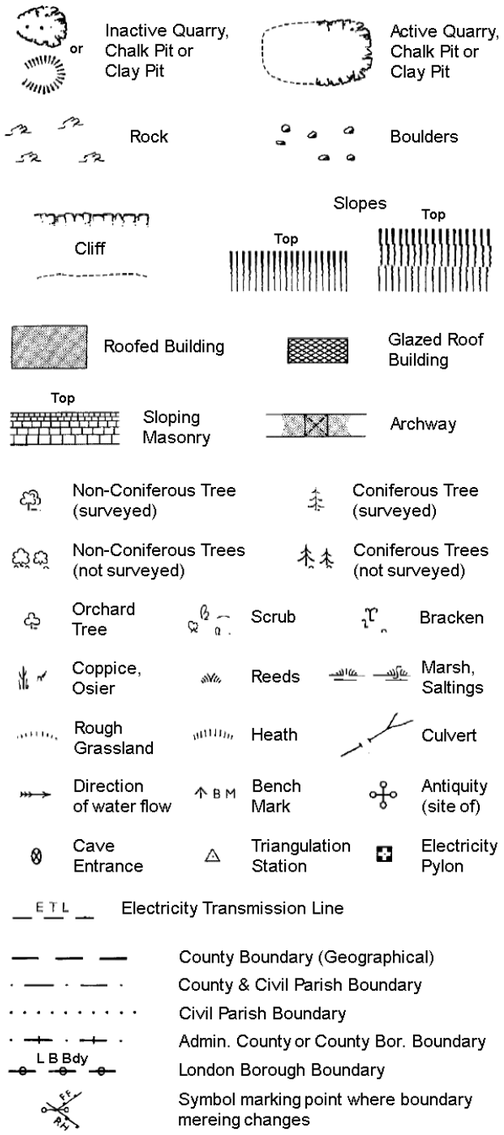
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

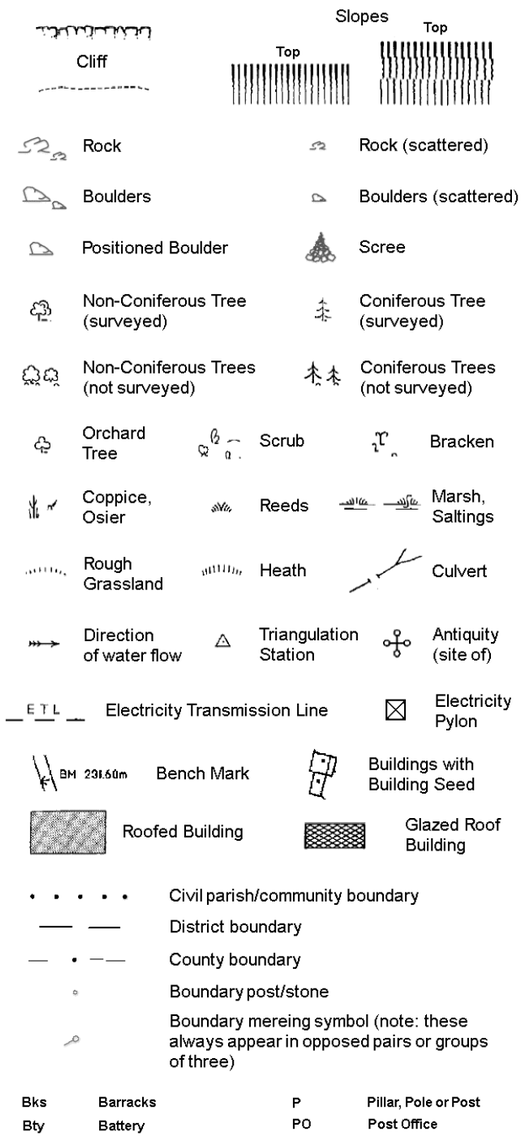
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

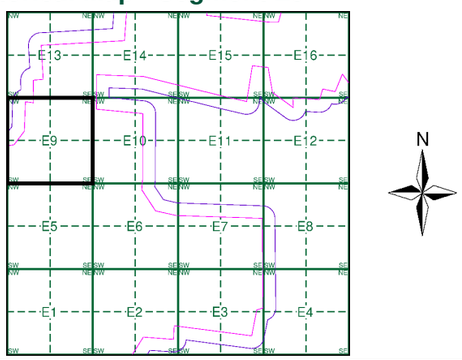
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E9



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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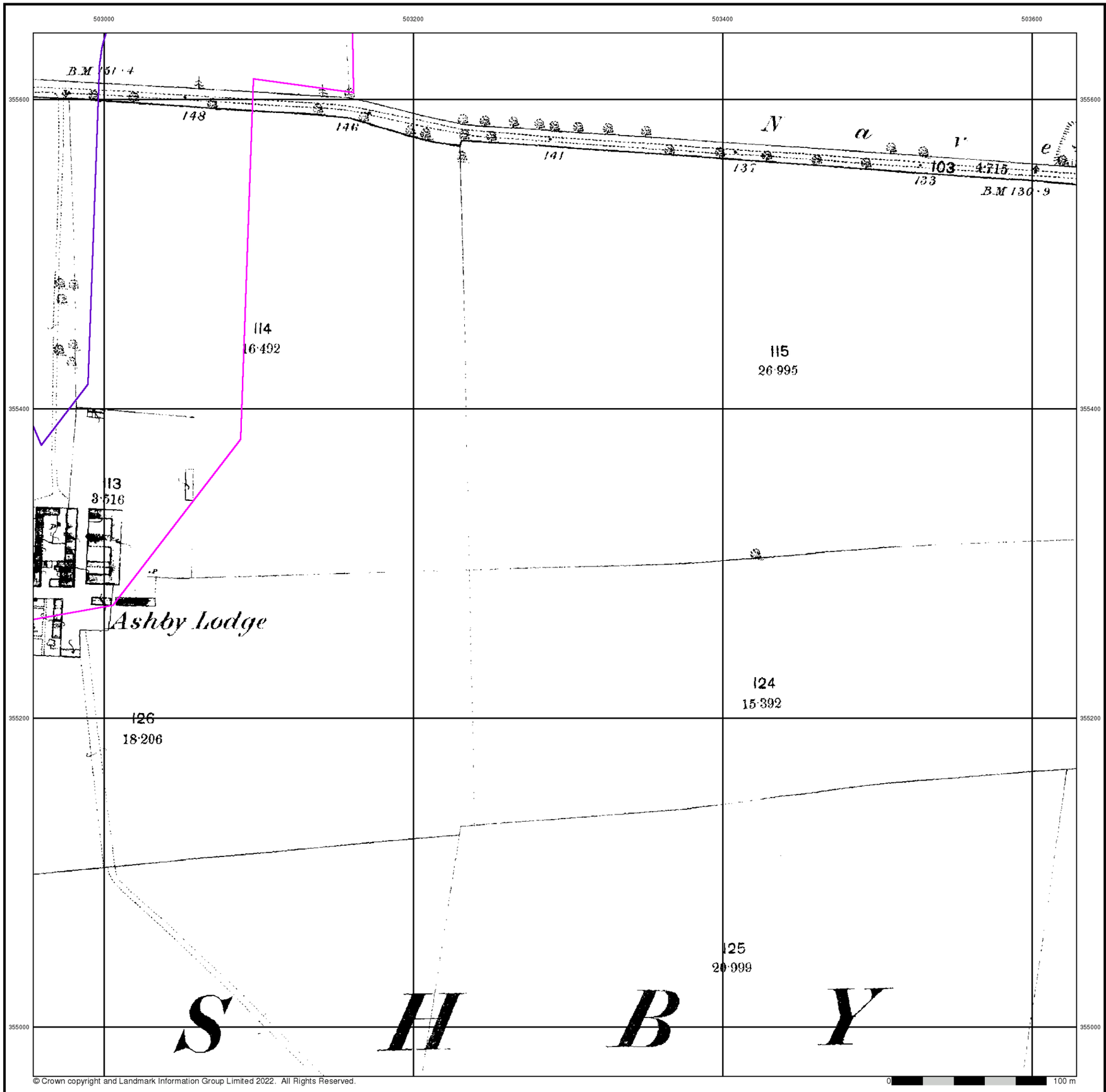

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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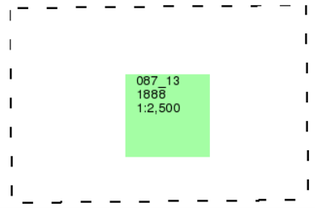
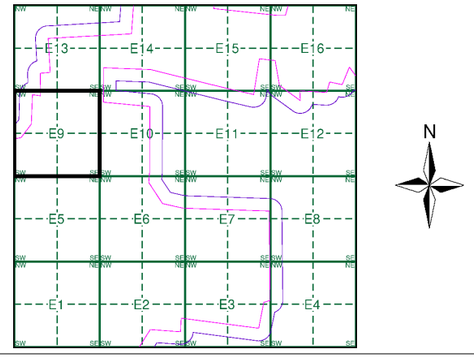


Historical Map - Segment E9



Order Details

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Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

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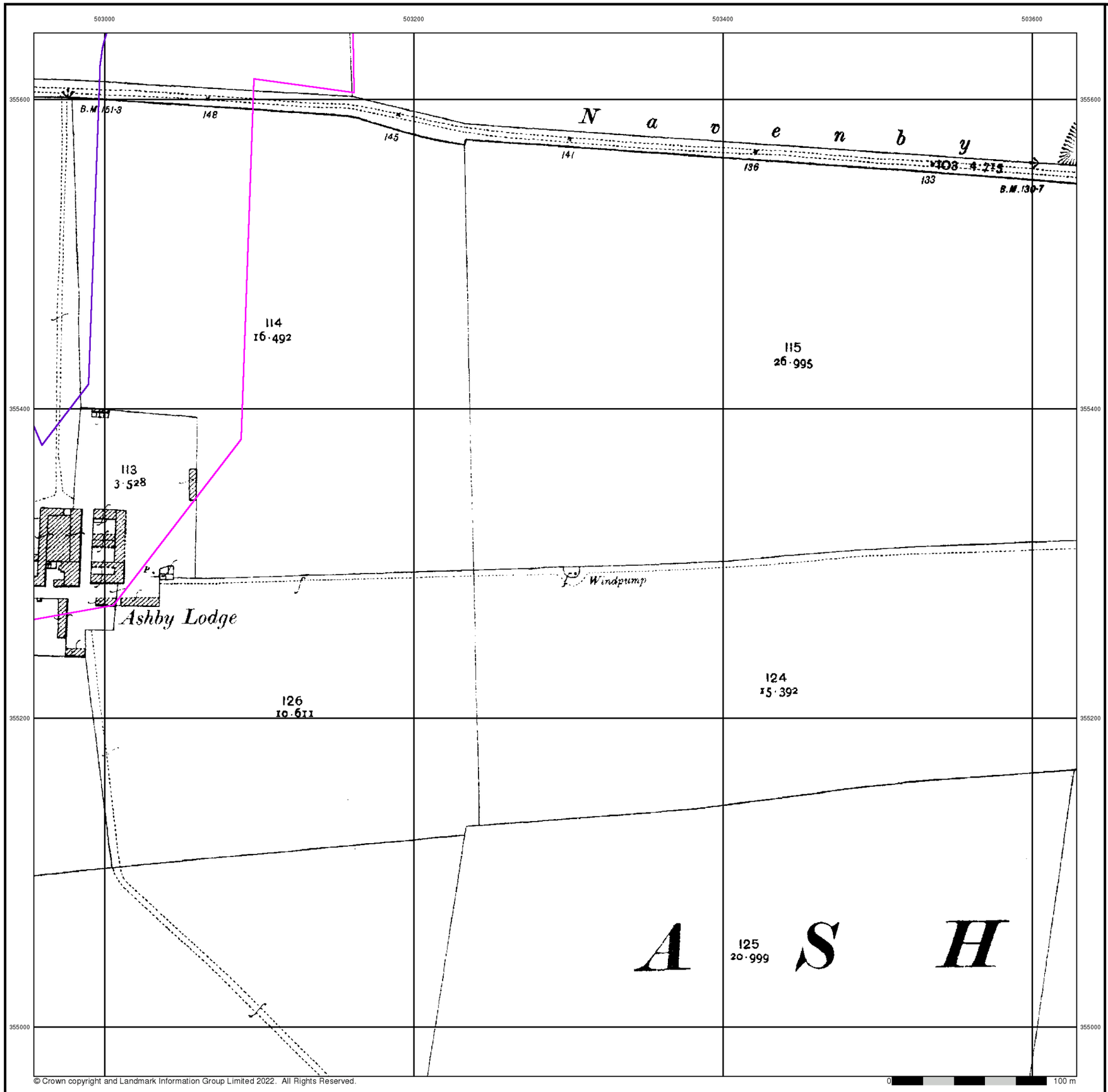

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RSK

Lincolnshire

Published 1905

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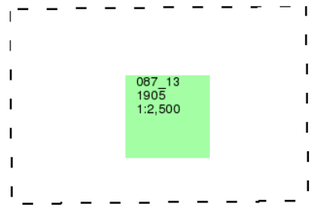
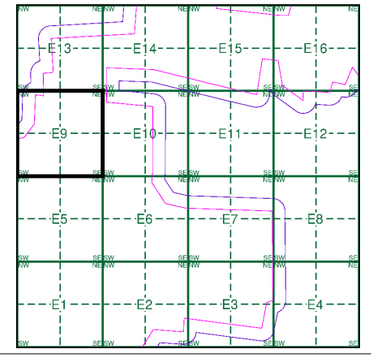


Historical Map - Segment E9



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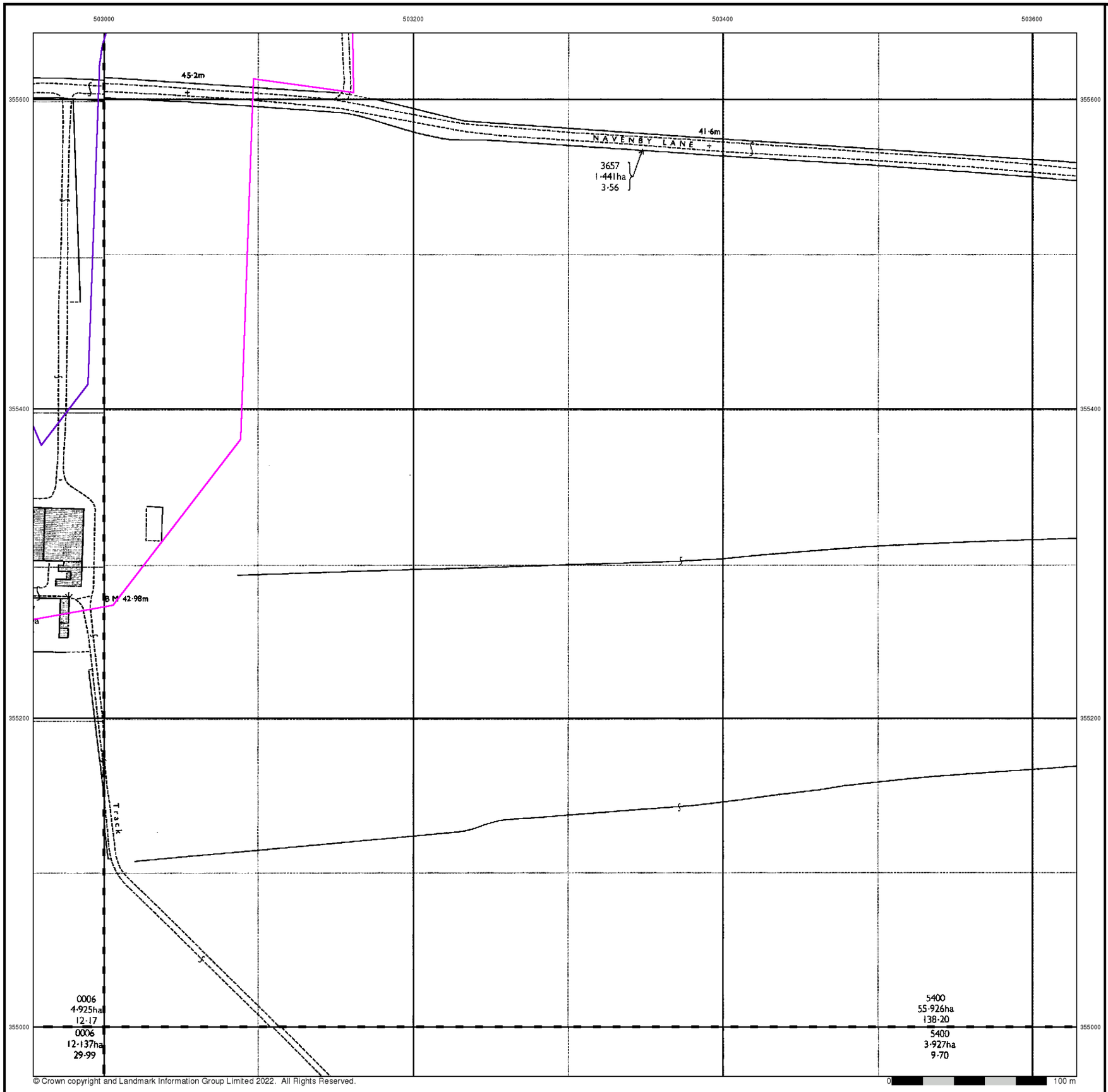

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Ordnance Survey Plan

Published 1979

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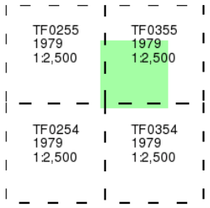

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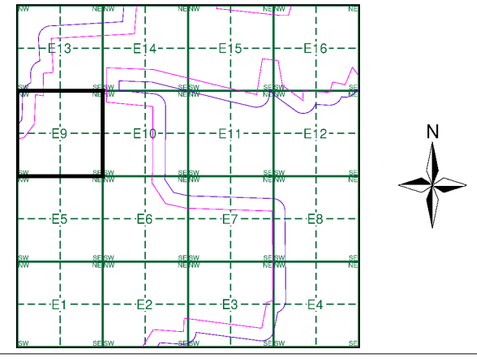

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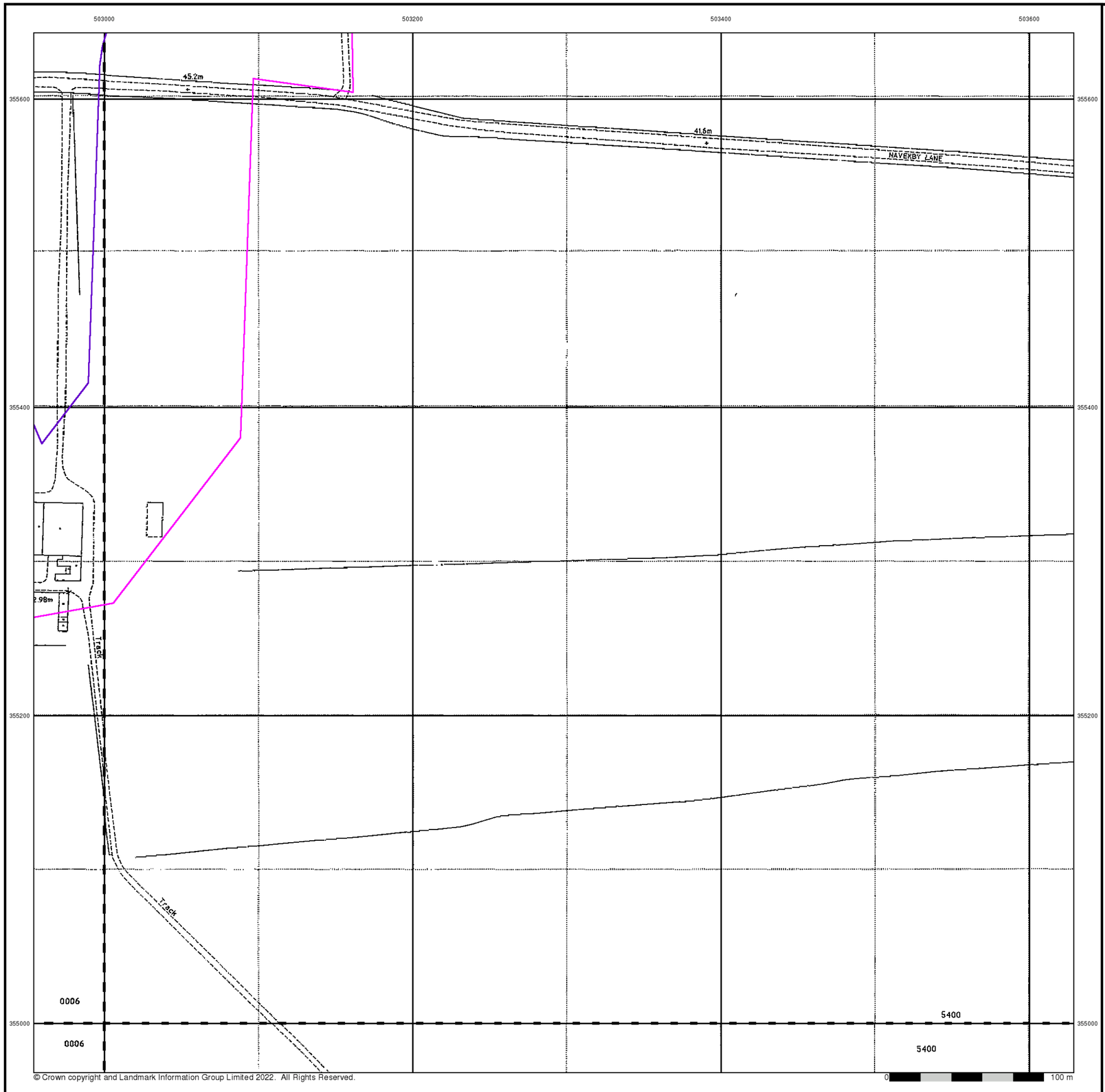

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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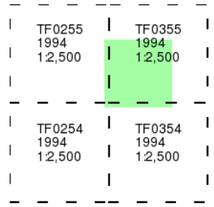
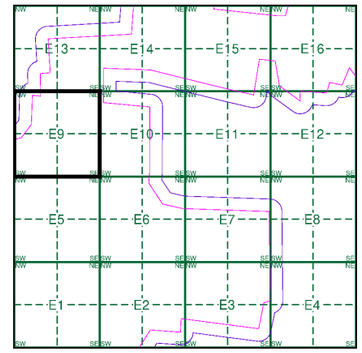


Historical Map - Segment E9



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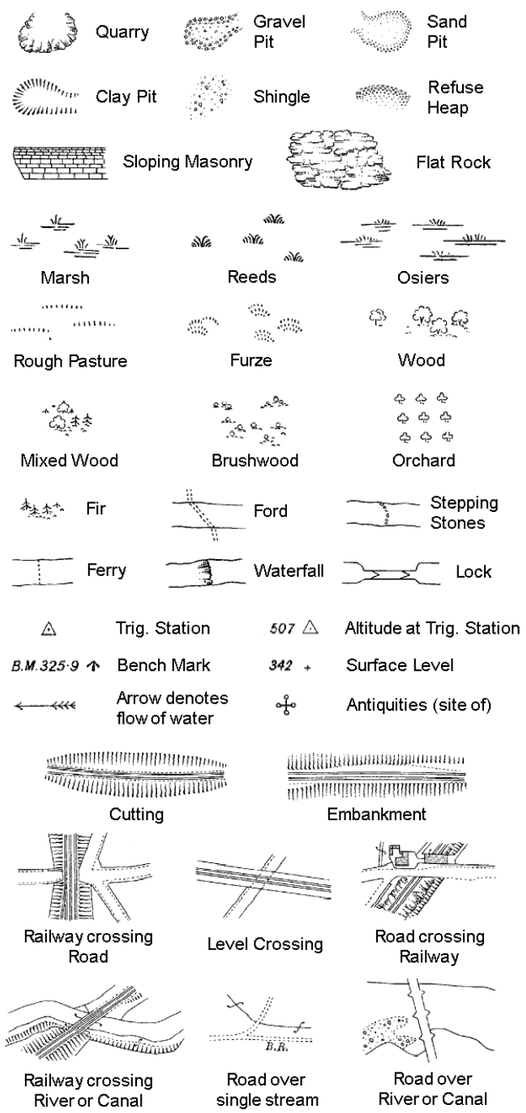
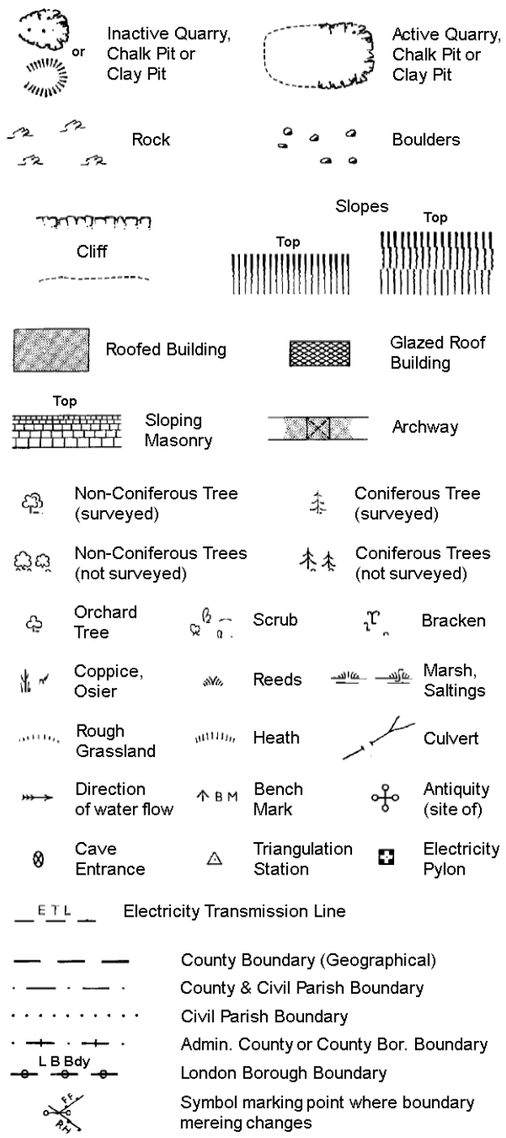
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



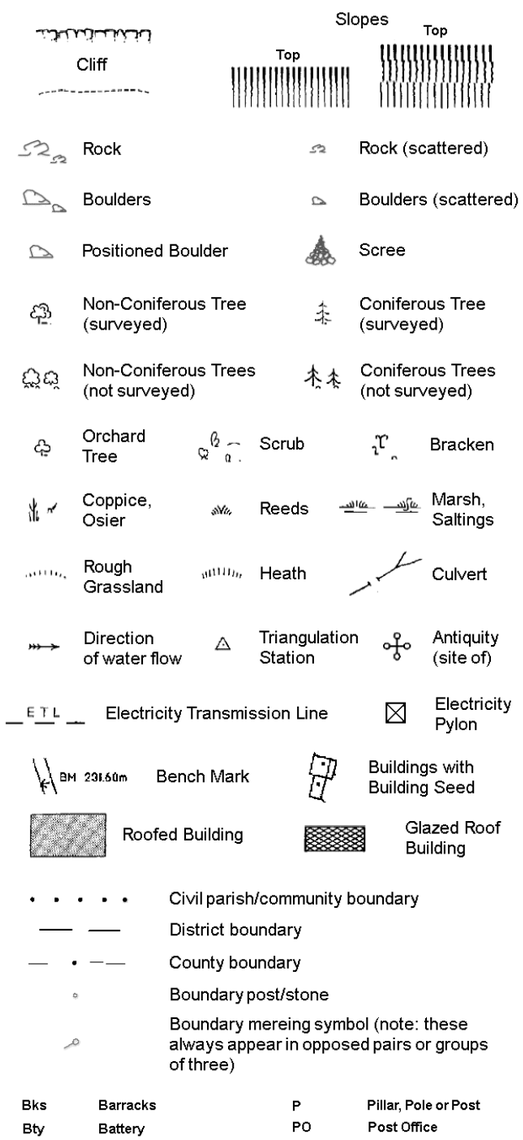
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



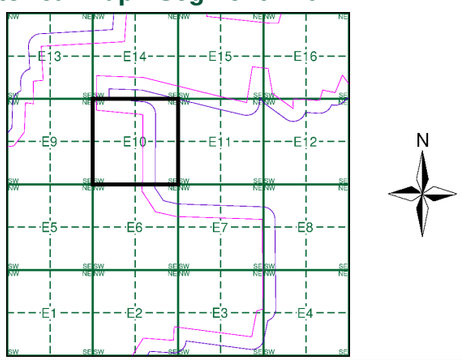
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E10



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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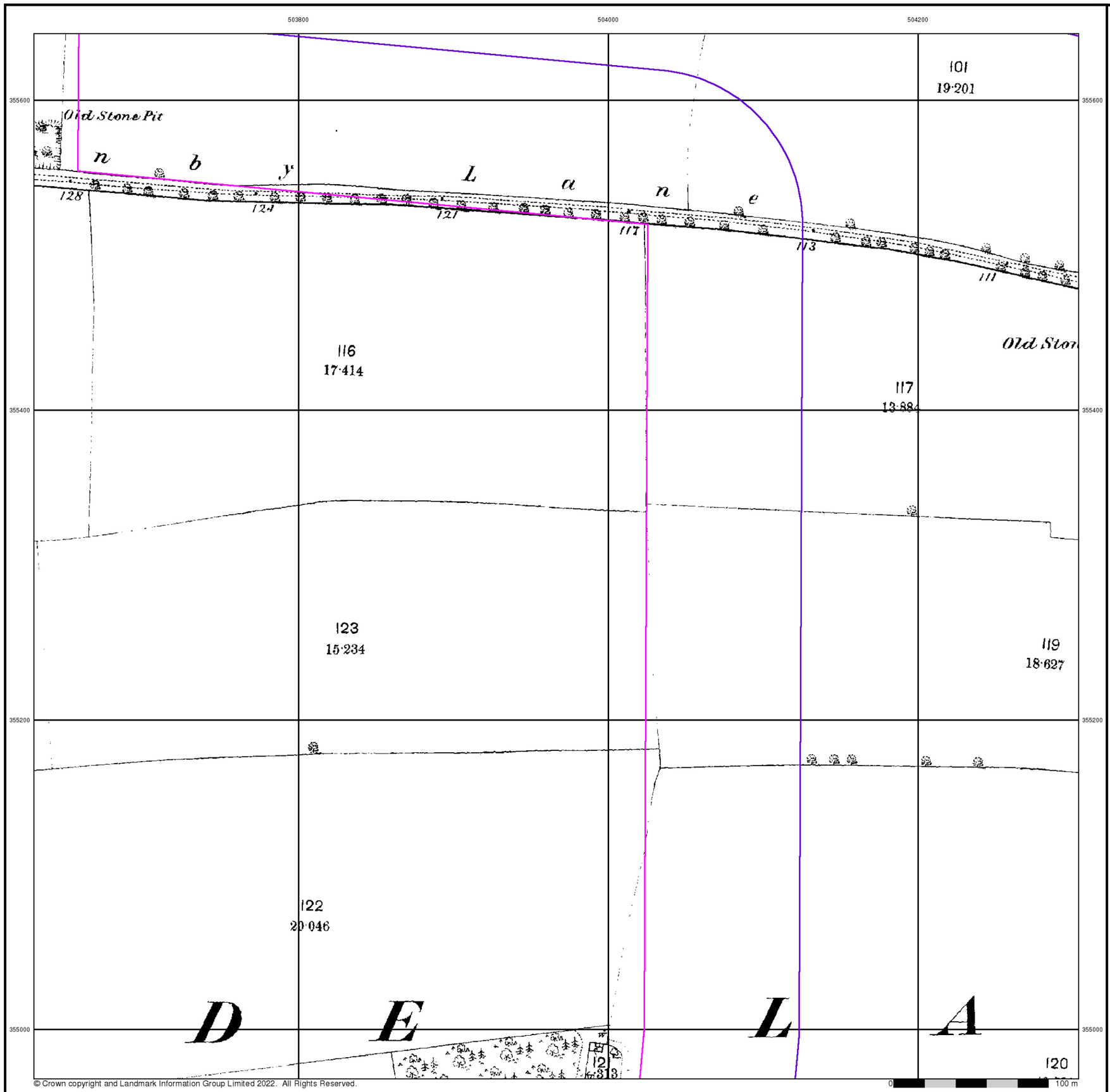

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RSK

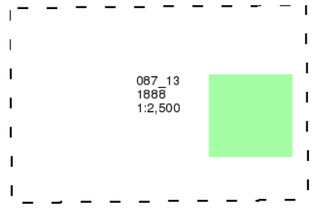
Lincolnshire

Published 1888

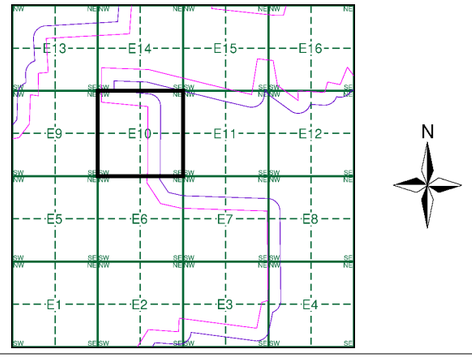
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment E10



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Order Number:	303381609_1_1
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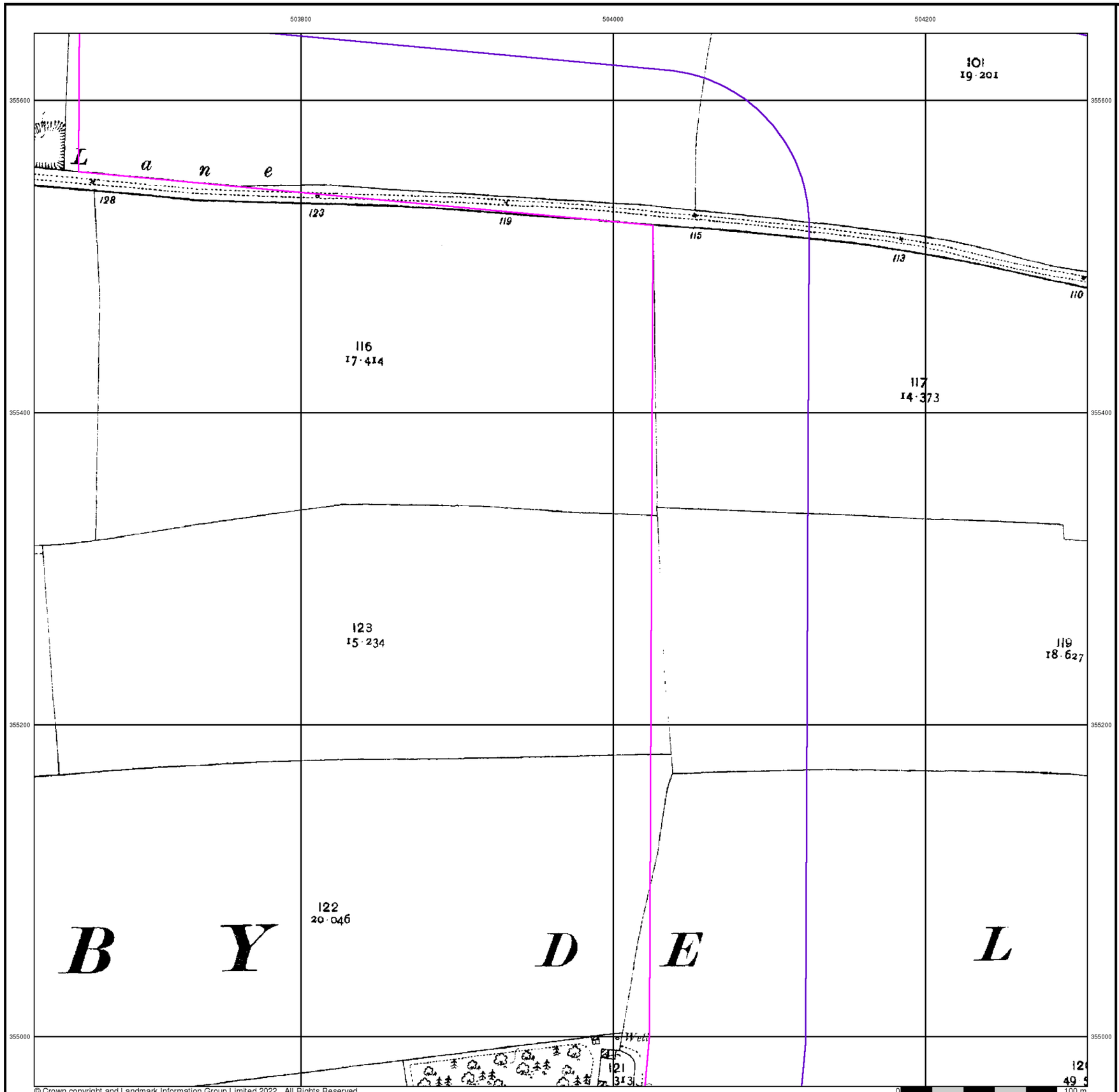

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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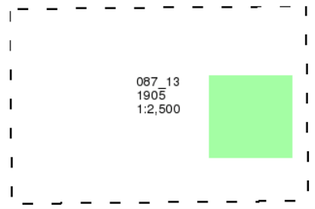
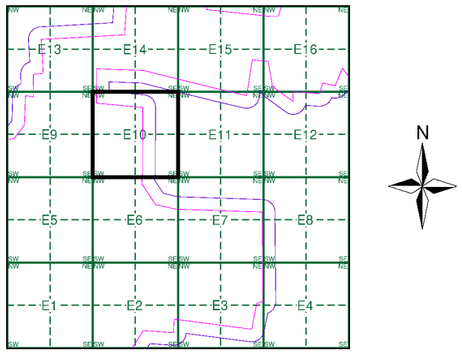


Historical Map - Segment E10



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503800 504000 504200

355600 355400 355200 355000

36·6m 35·2m

5400
1·377ha
3·40

0004
·004ha
·01

Well

0004
3·640ha
9·00

0004
·004ha
·01

2700
33·157ha
81·93

2700
10·445ha
25·81

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0 100 m

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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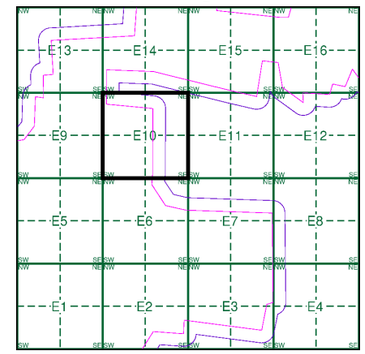
Map Name(s) and Date(s)

TF0355 1979 1:2,500
TF0455 1979 1:2,500
TF0354 1979 1:2,500
TF0454 1979 1:2,500

Historical Map - Segment E10



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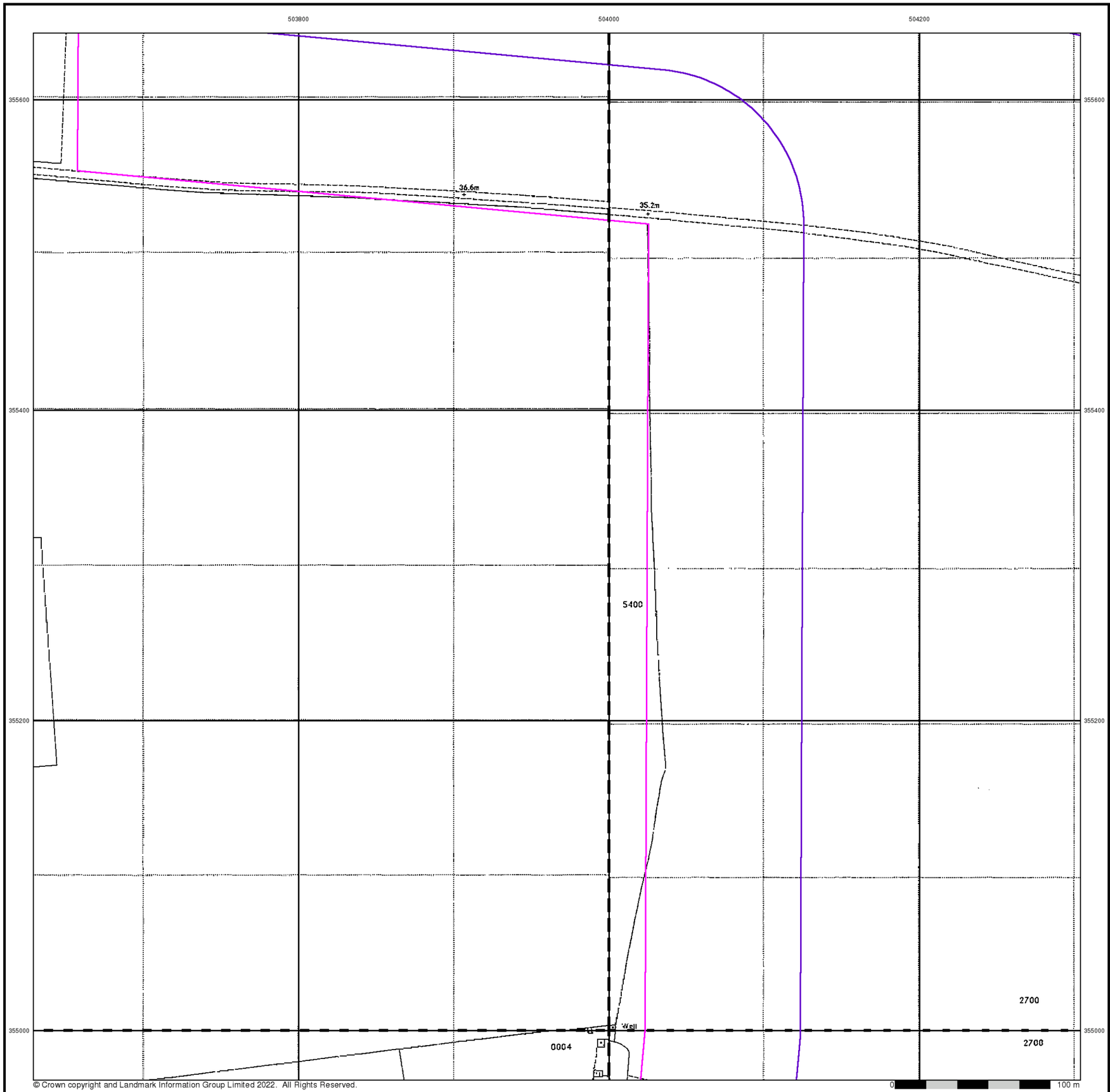

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RSK

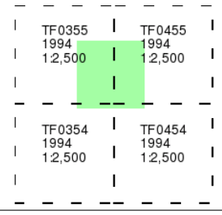
Large-Scale National Grid Data

Published 1994

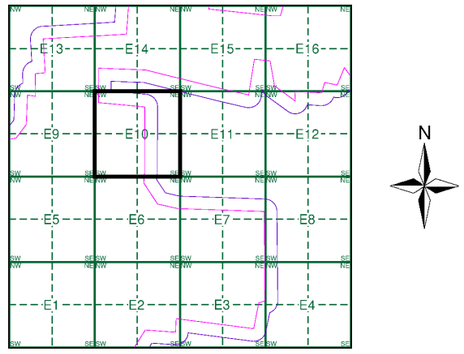
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E10



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Slice:	E
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Search Buffer (m):	100

Site Details

All Areas New

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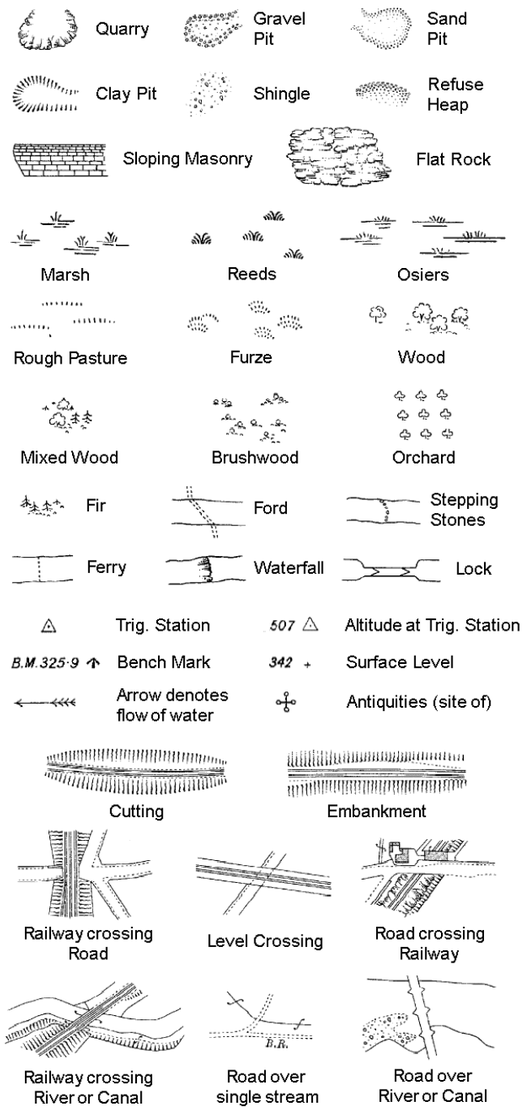
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

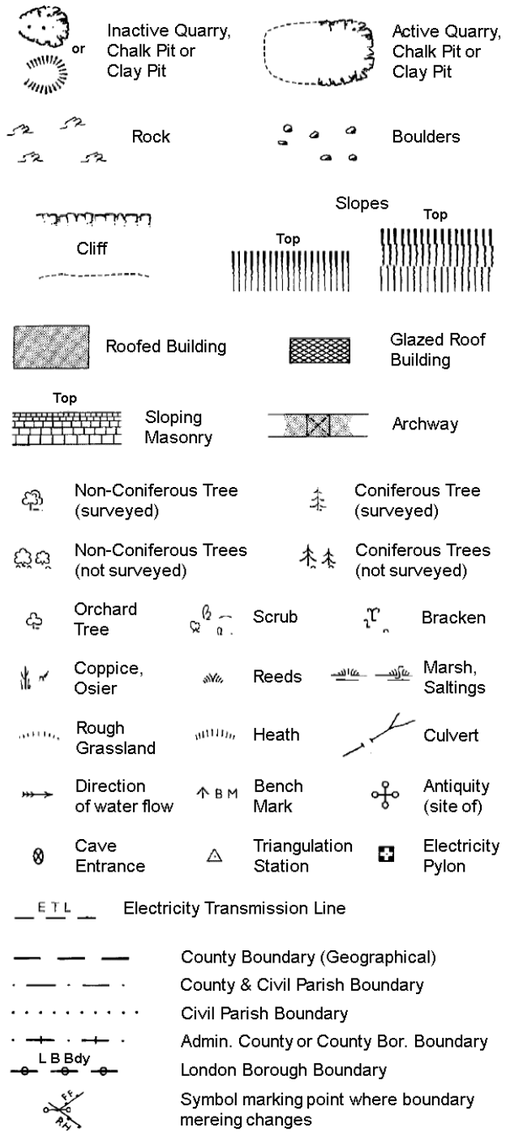
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

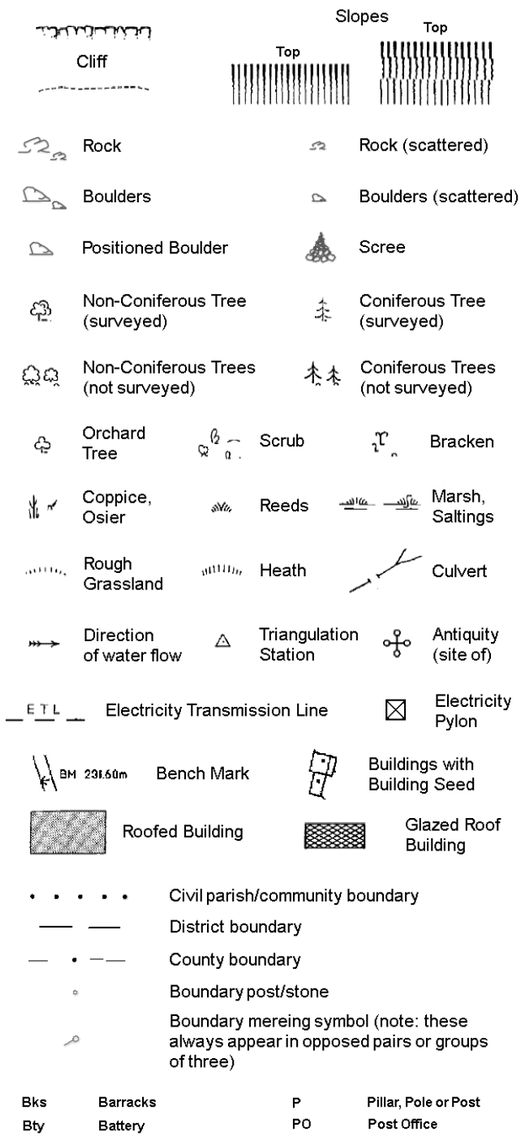
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

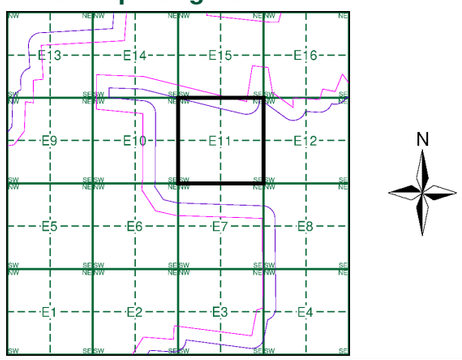
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E11



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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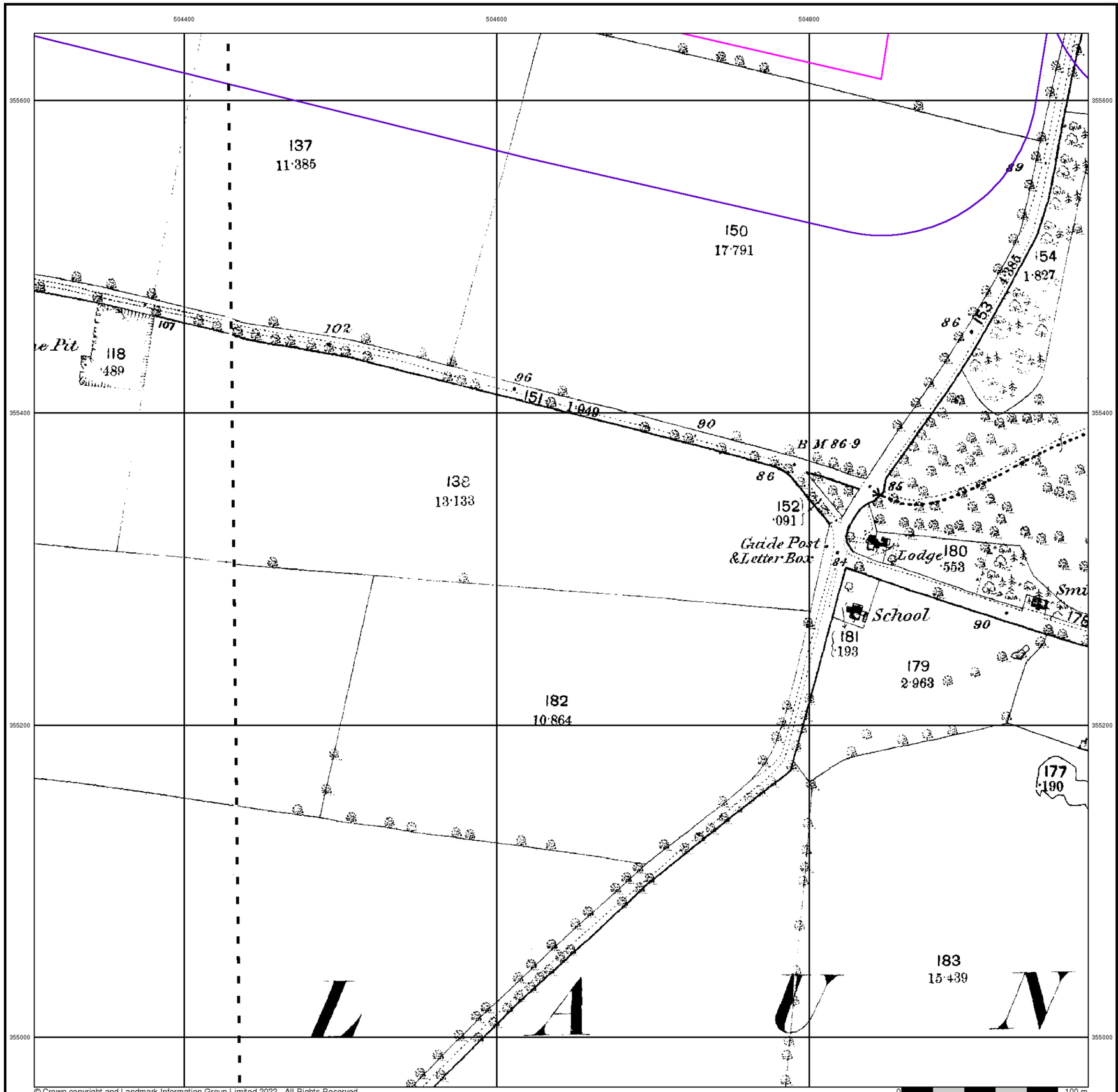

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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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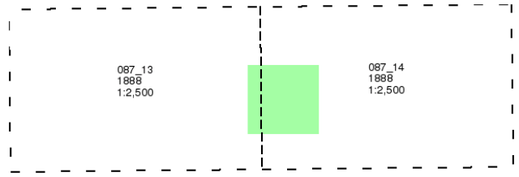
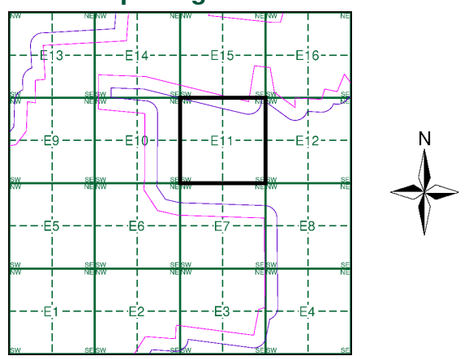
Map Name(s) and Date(s)



Historical Map - Segment E11



Order Details

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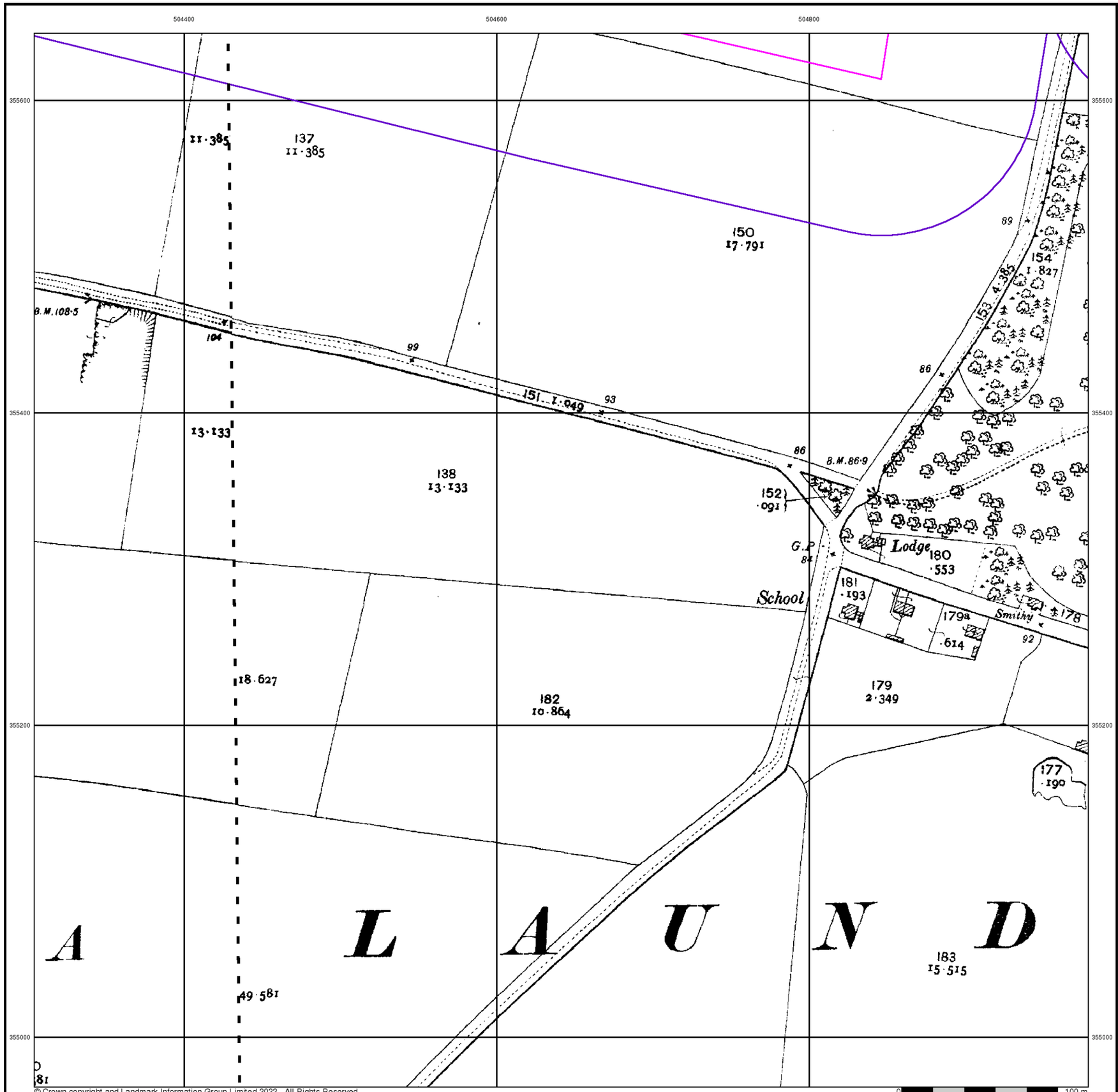

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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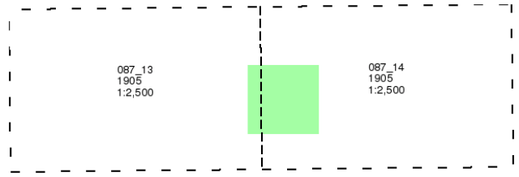
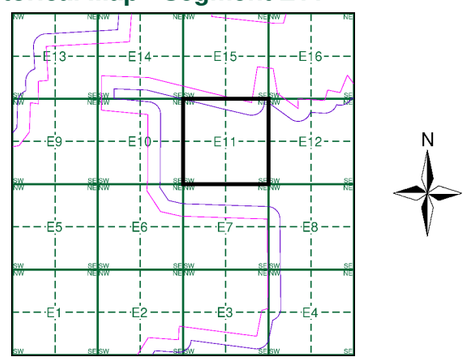


Historical Map - Segment E11



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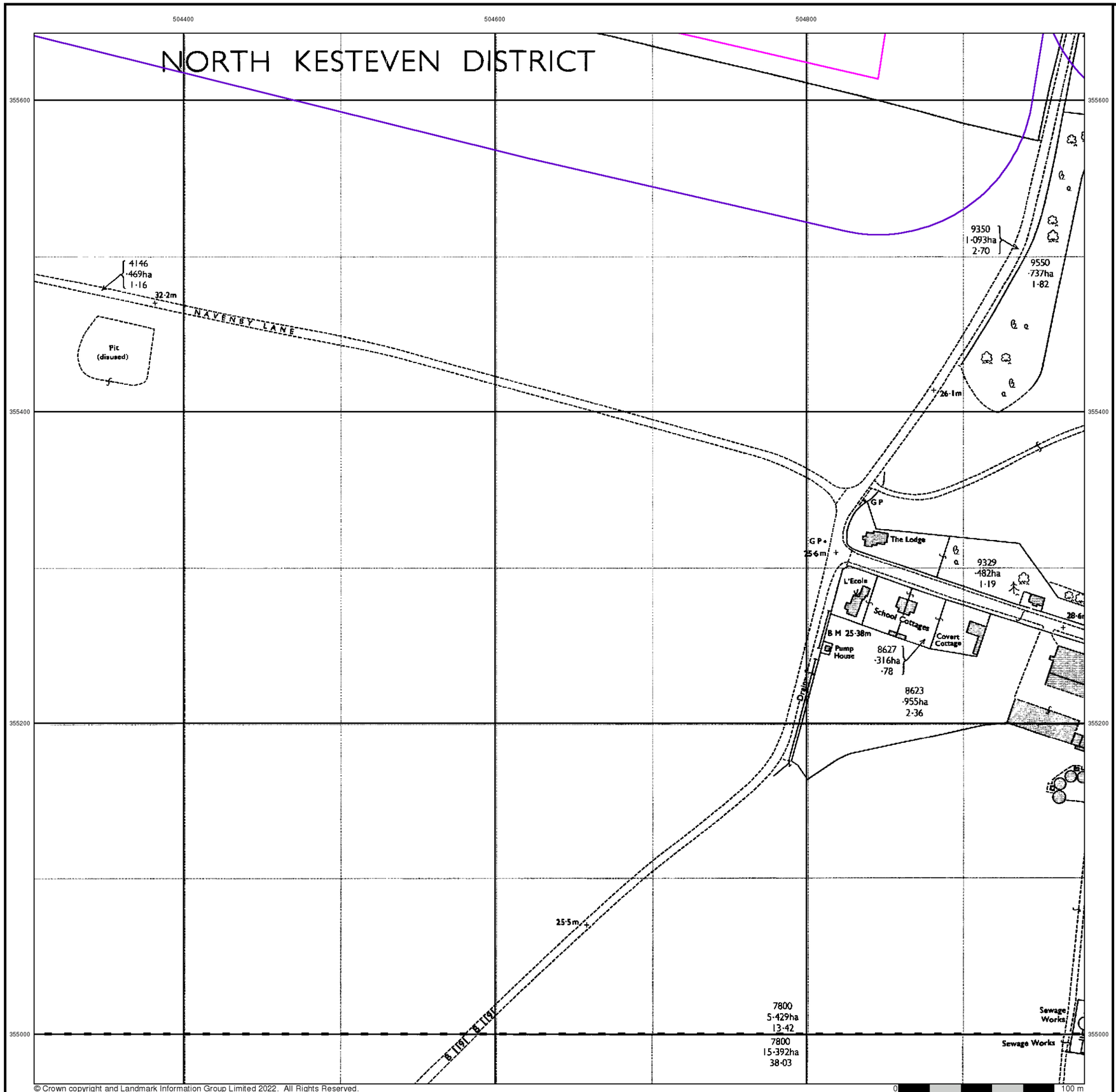

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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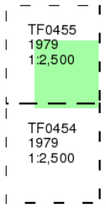
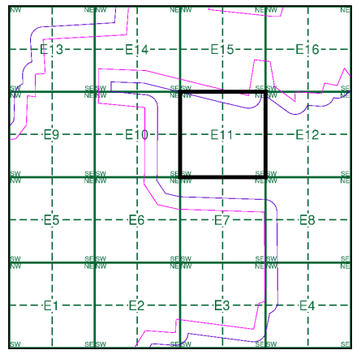


Historical Map - Segment E11



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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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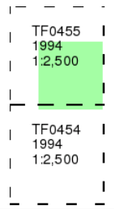
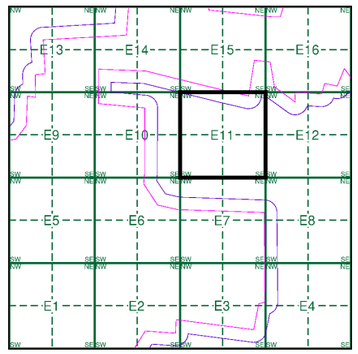


Historical Map - Segment E11



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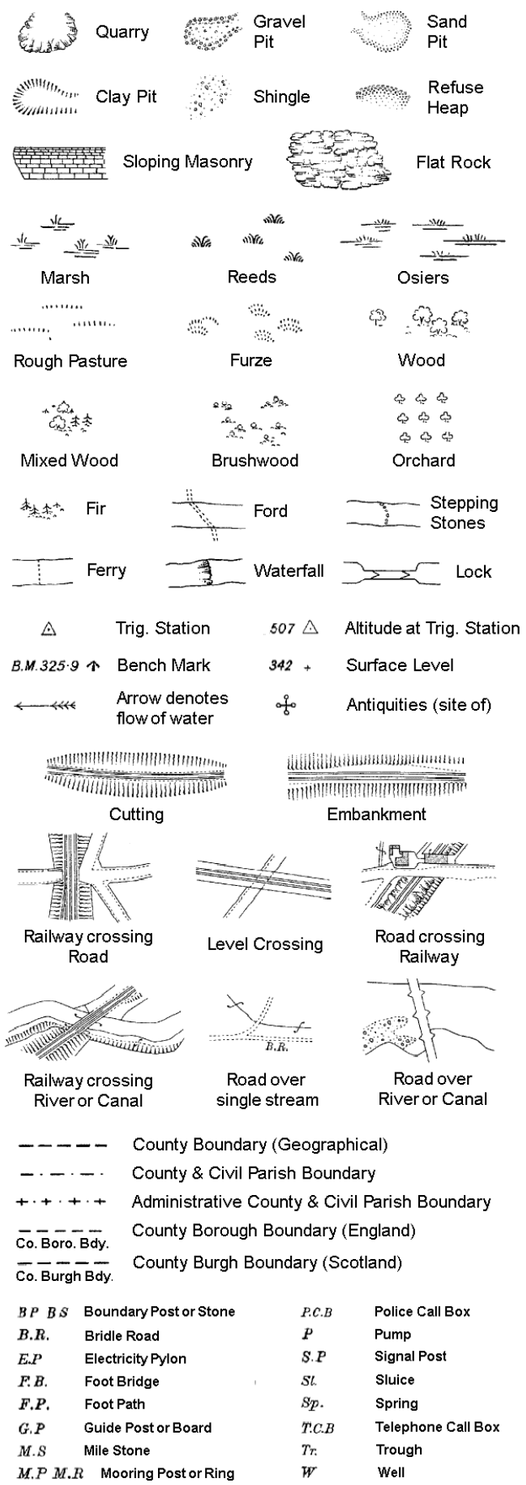
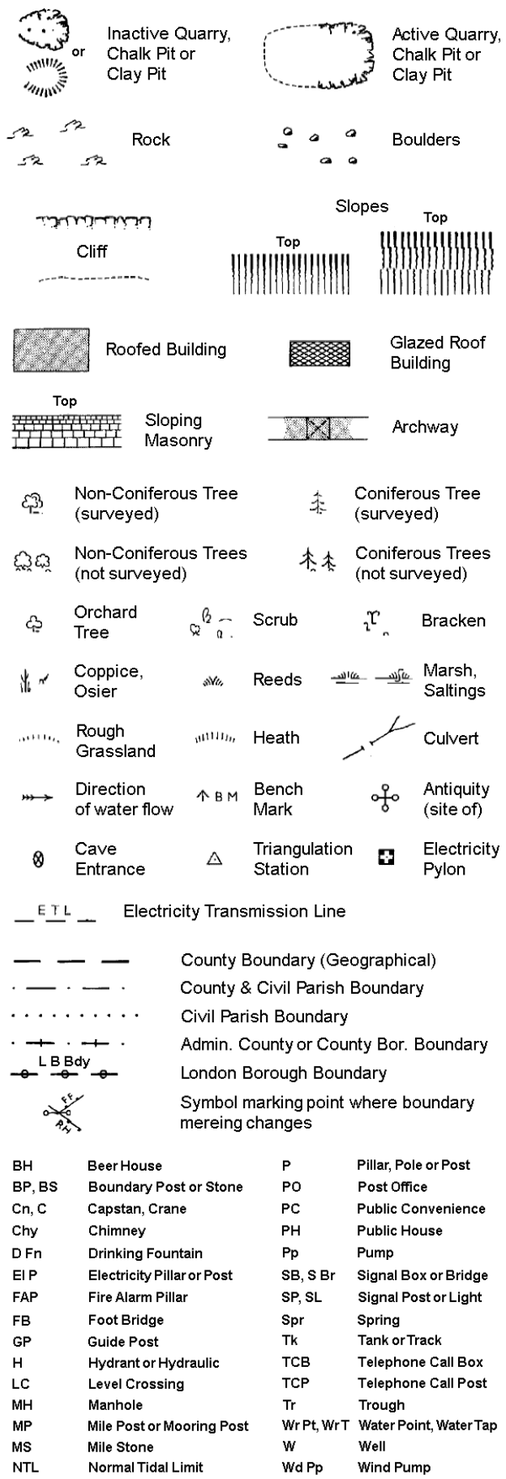
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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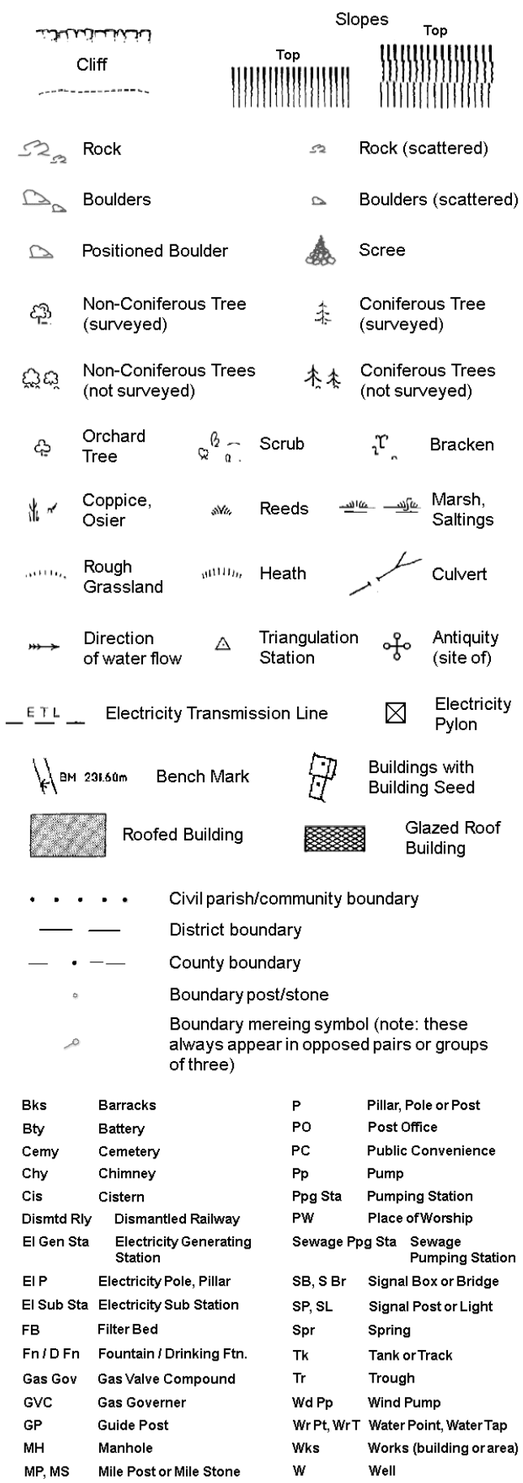
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



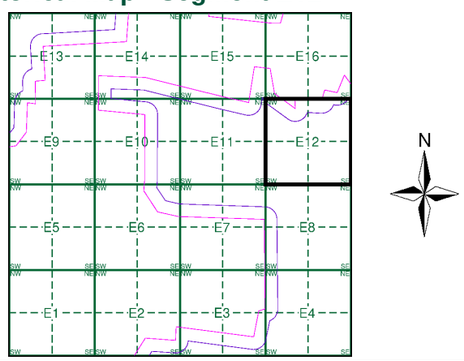
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E12



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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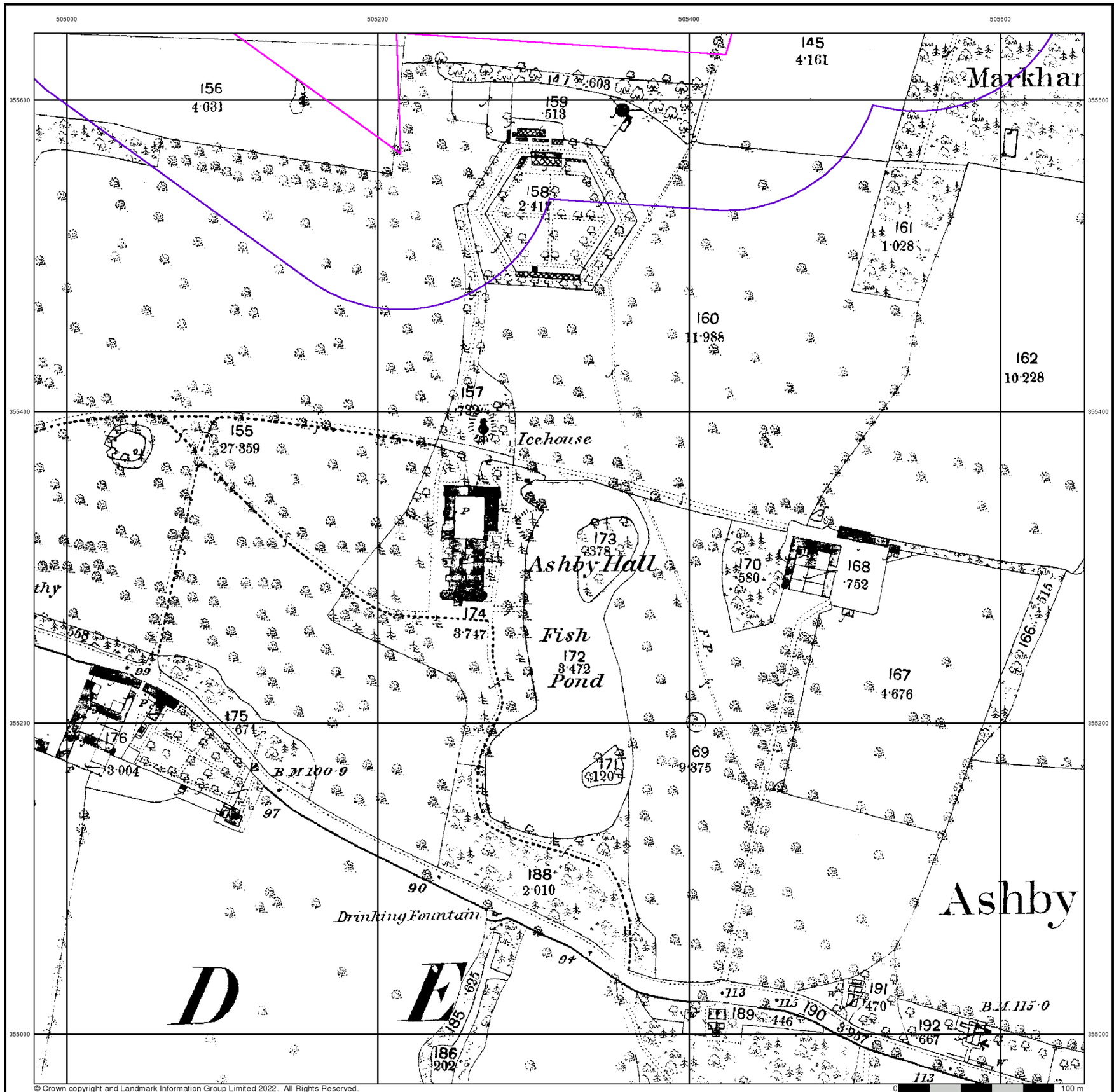
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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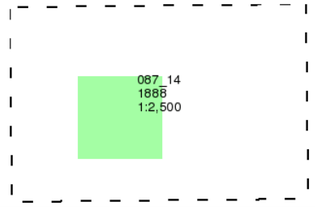
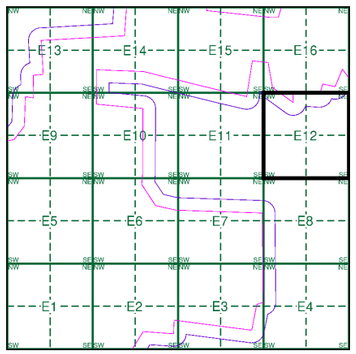
Map Name(s) and Date(s)



Historical Map - Segment E12



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
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Site Details

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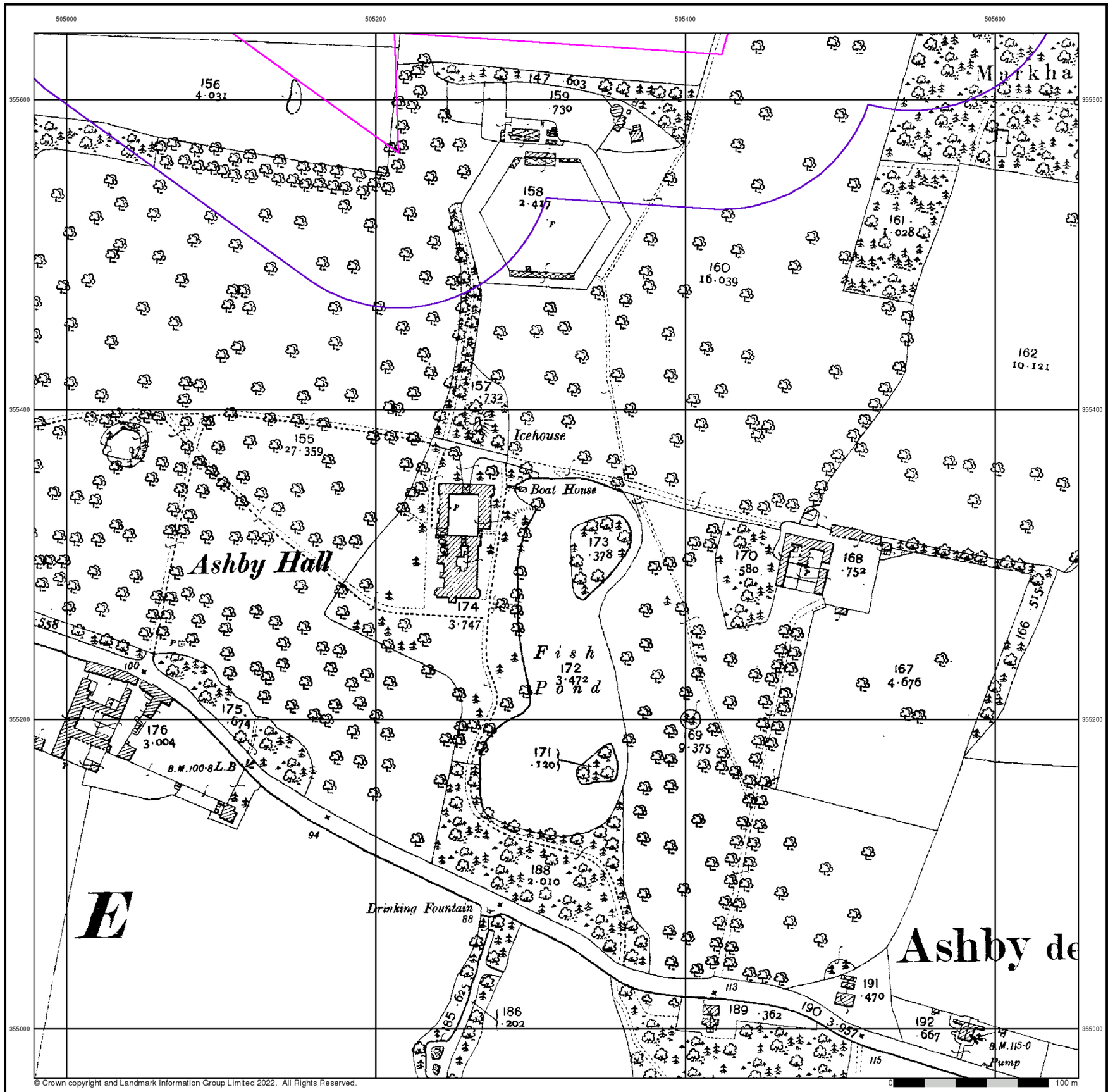

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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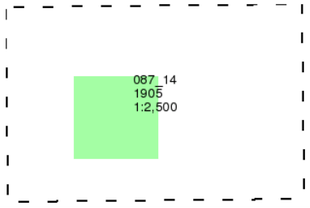
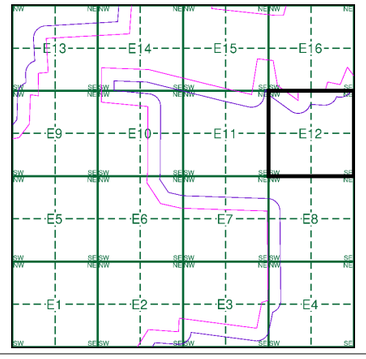


Historical Map - Segment E12



Order Details

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Slice:	E
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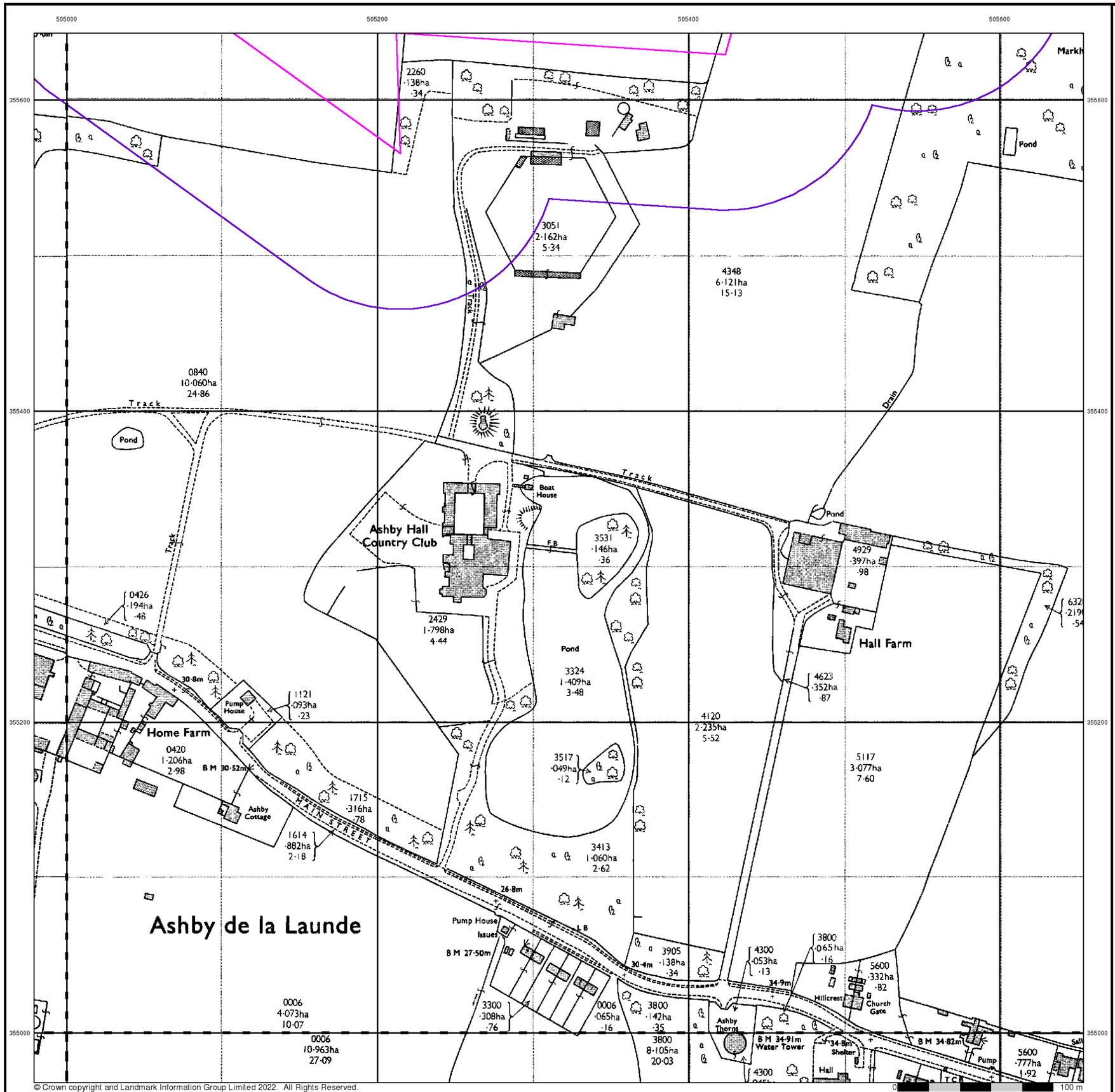

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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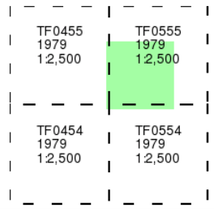
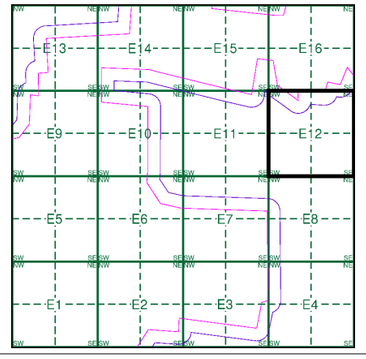
Map Name(s) and Date(s)



Historical Map - Segment E12



Order Details

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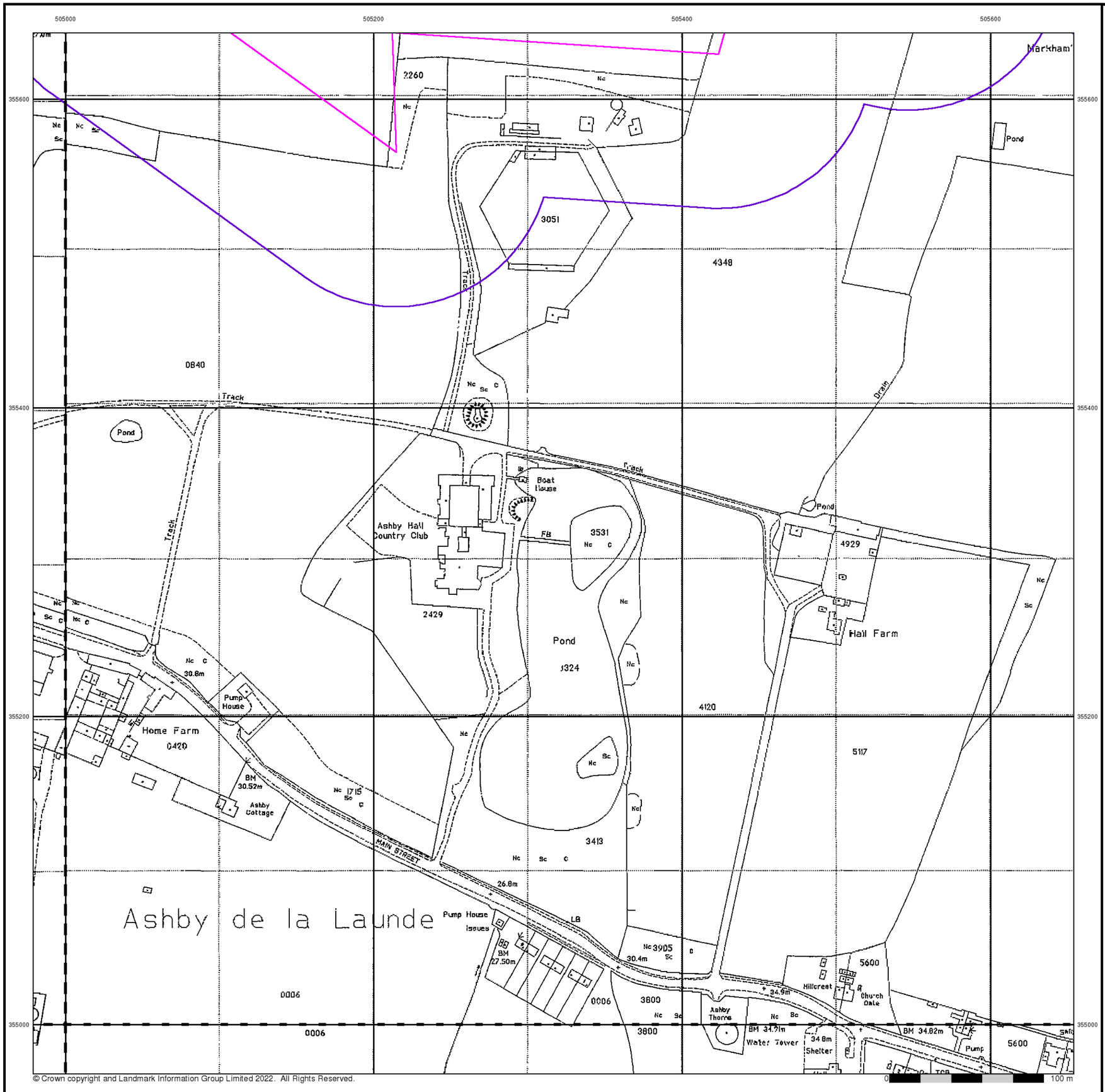

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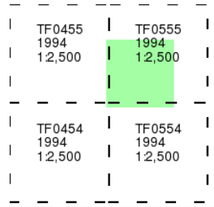
Large-Scale National Grid Data

Published 1994

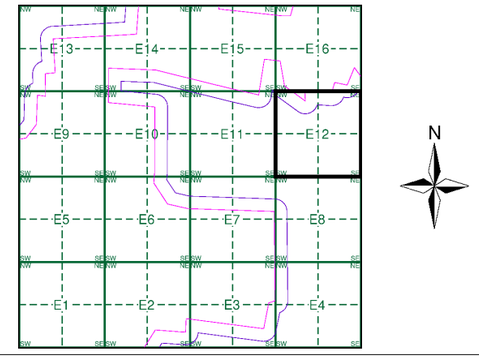
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E12



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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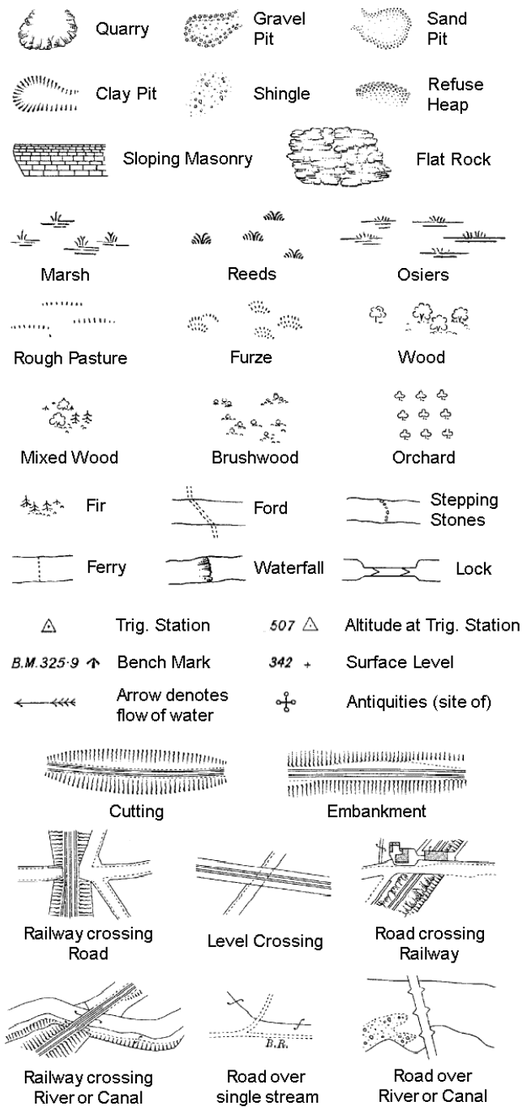
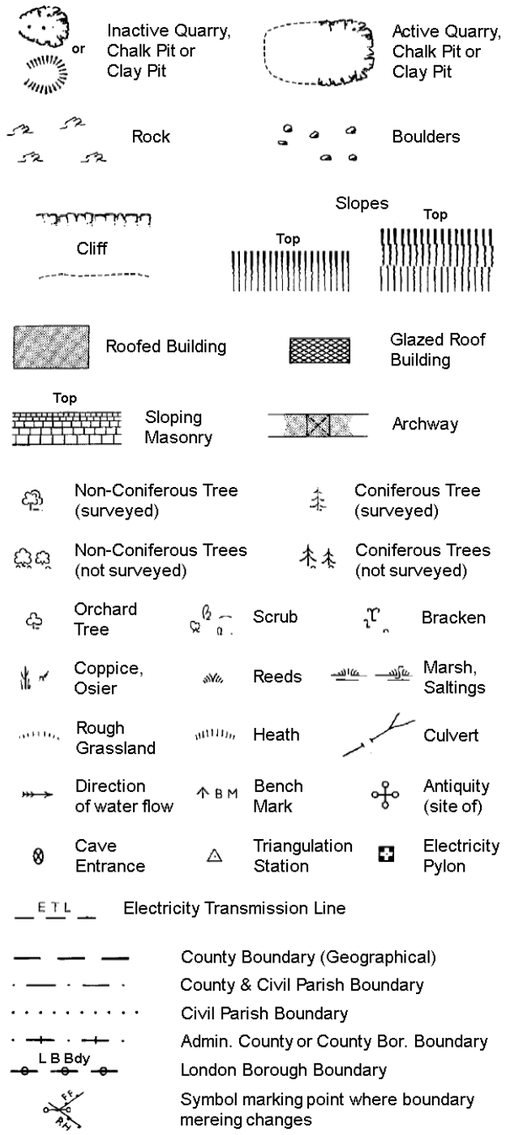
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



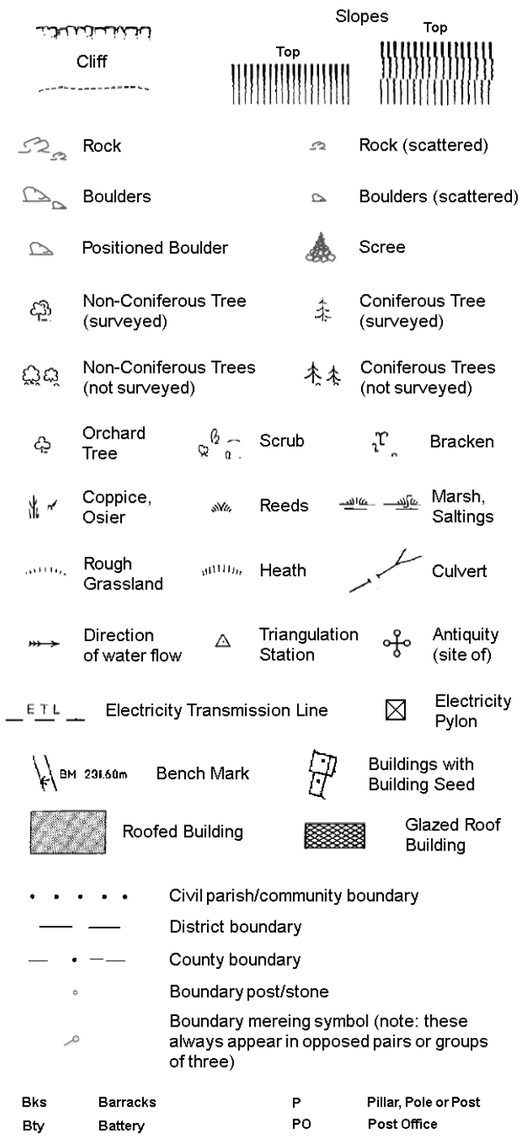
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



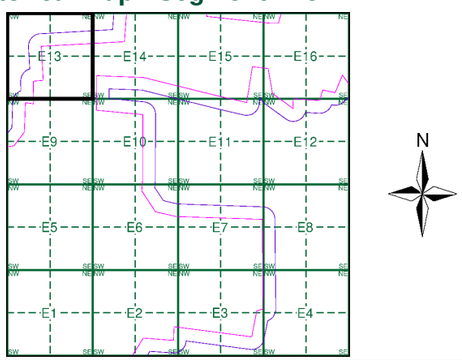
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979 - 1980	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment E13



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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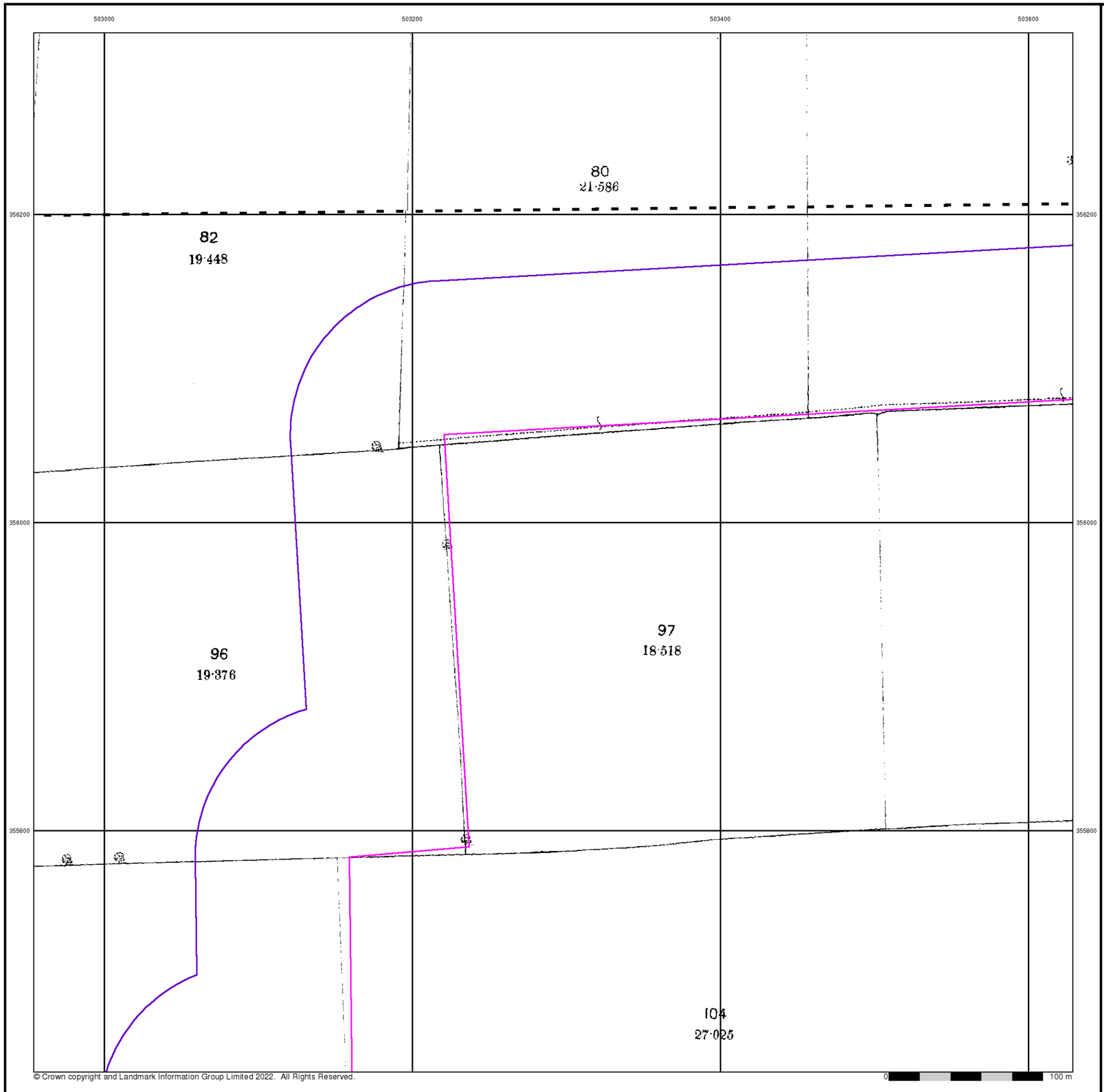
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1888

Source map scale - 1:2,500

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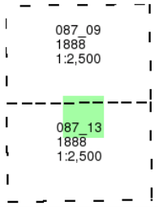
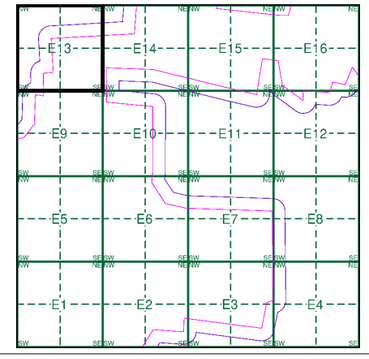
Map Name(s) and Date(s)



Historical Map - Segment E13



Order Details

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Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
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Site Details

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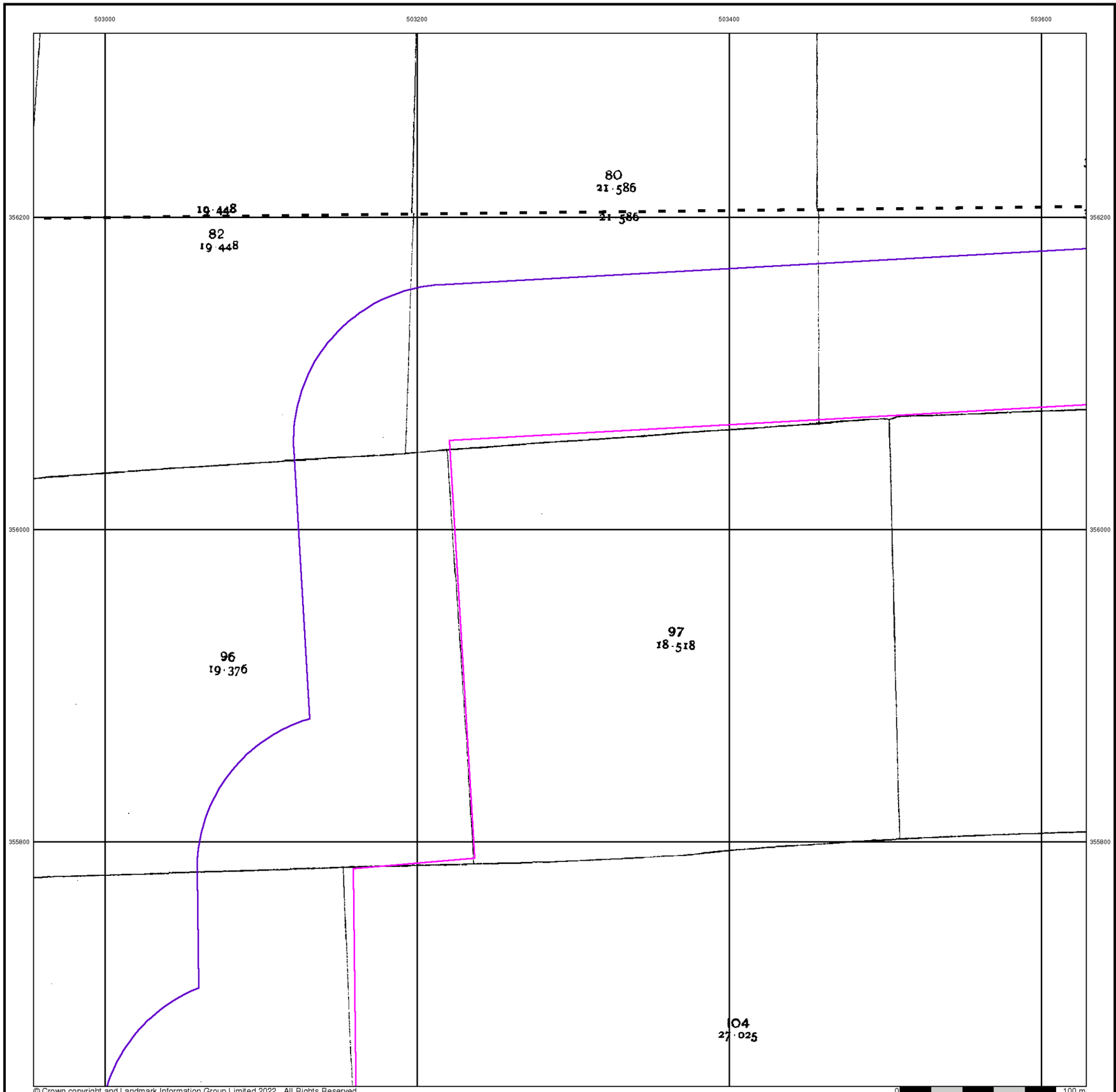

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Lincolnshire

Published 1905

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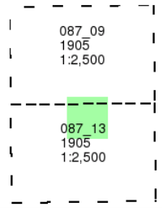
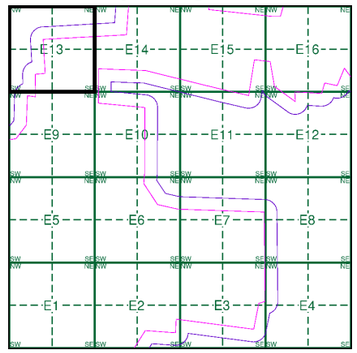


Historical Map - Segment E13



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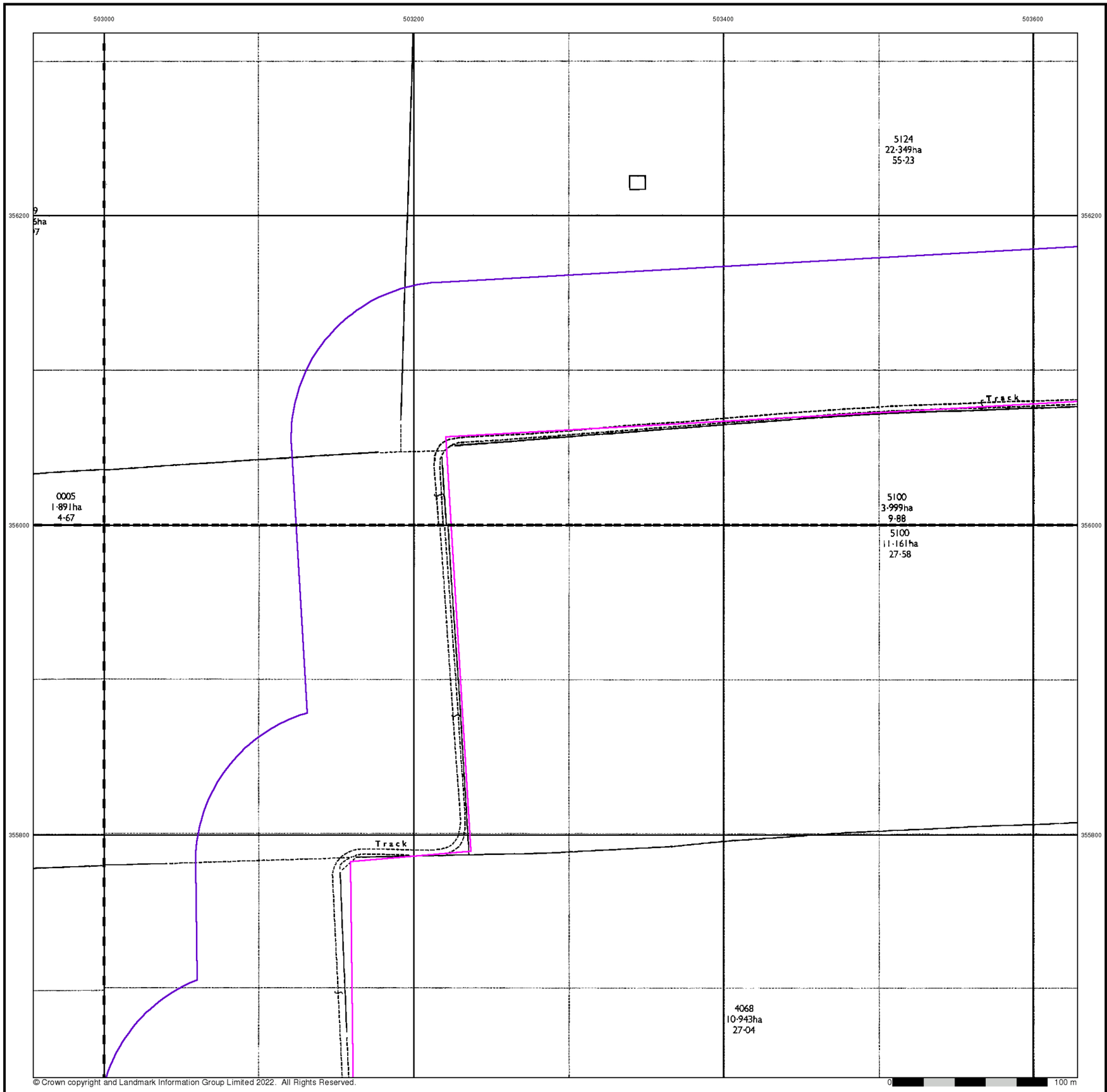

Ordnance Survey Plan

Published 1979 - 1980

Source map scale - 1:2,500

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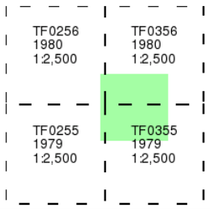
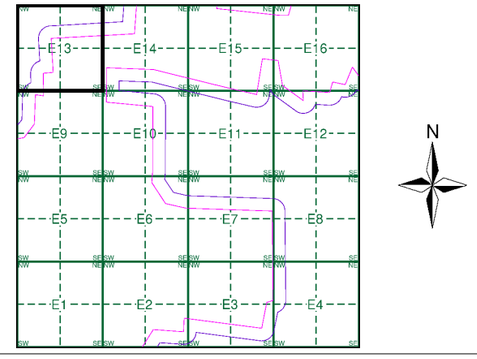


Historical Map - Segment E13



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Slice:	E
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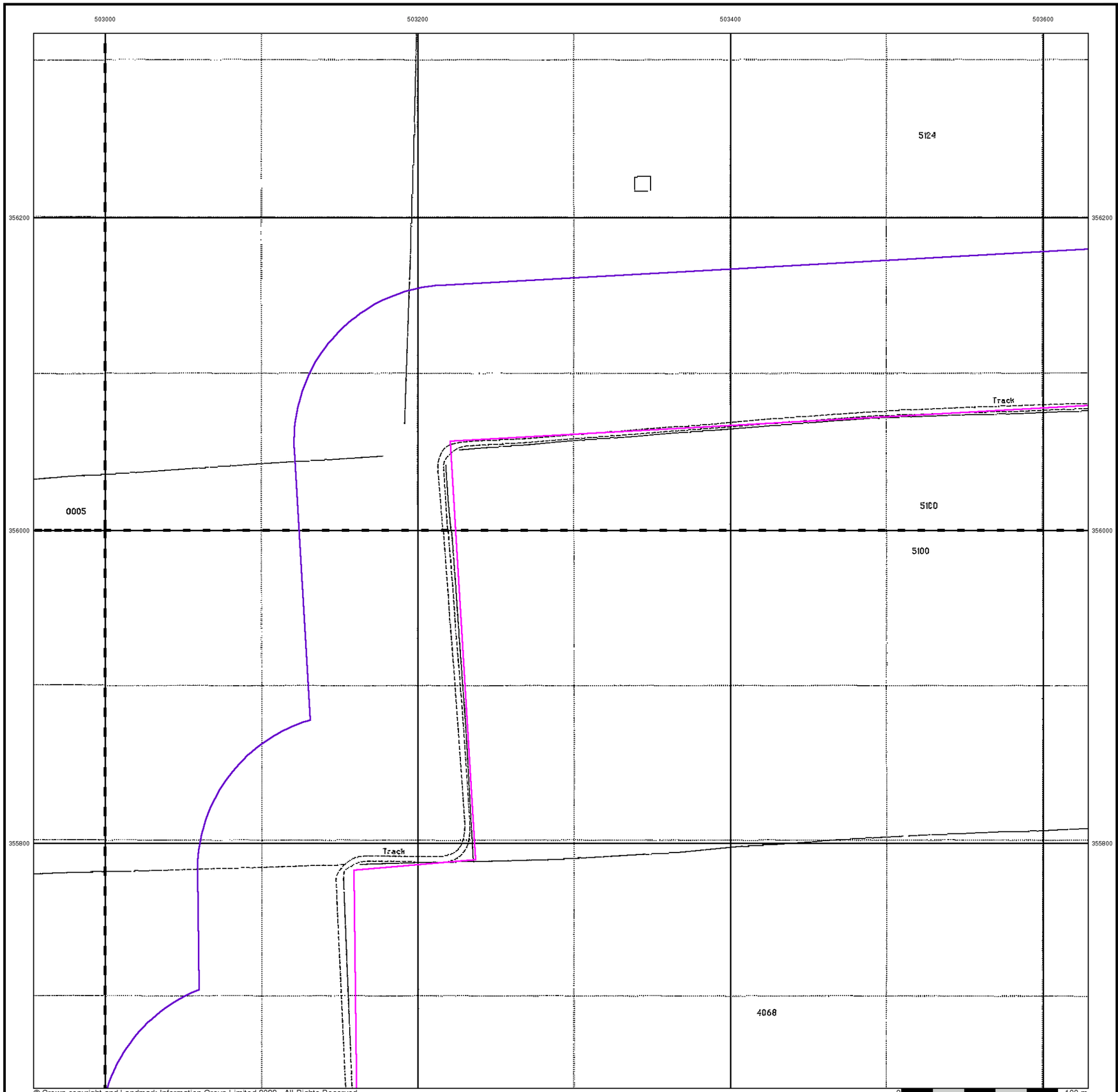

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RSK

Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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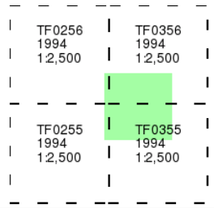
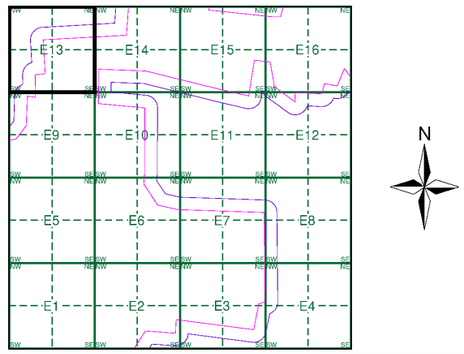
Map Name(s) and Date(s)



Historical Map - Segment E13



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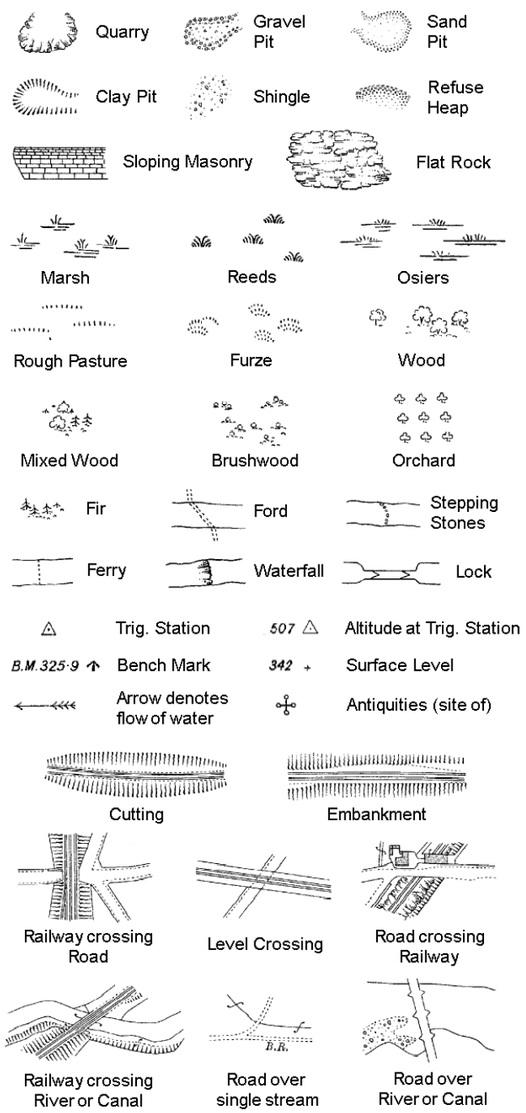
Web: www.envirocheck.co.uk

Historical Mapping Legends

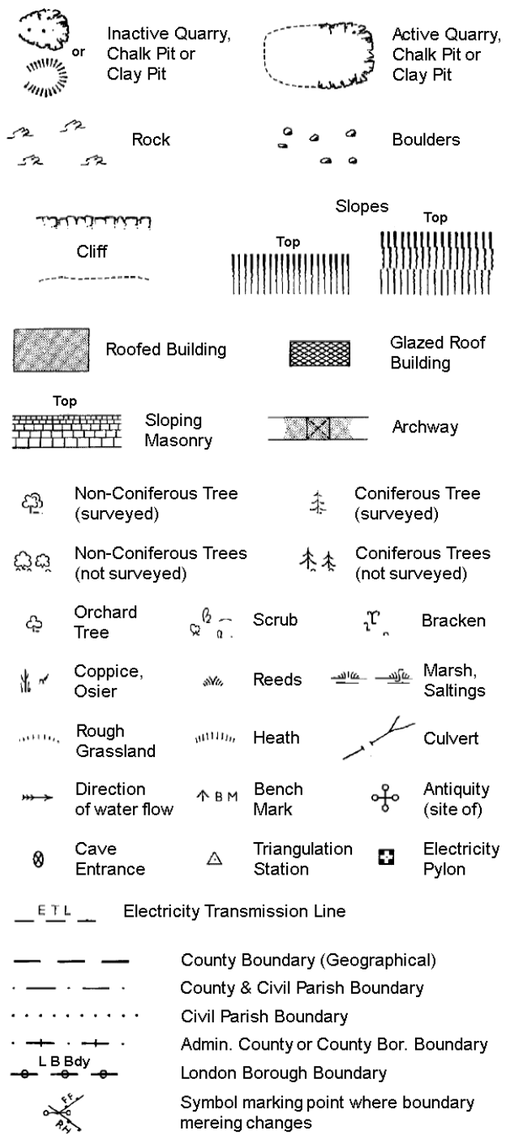
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

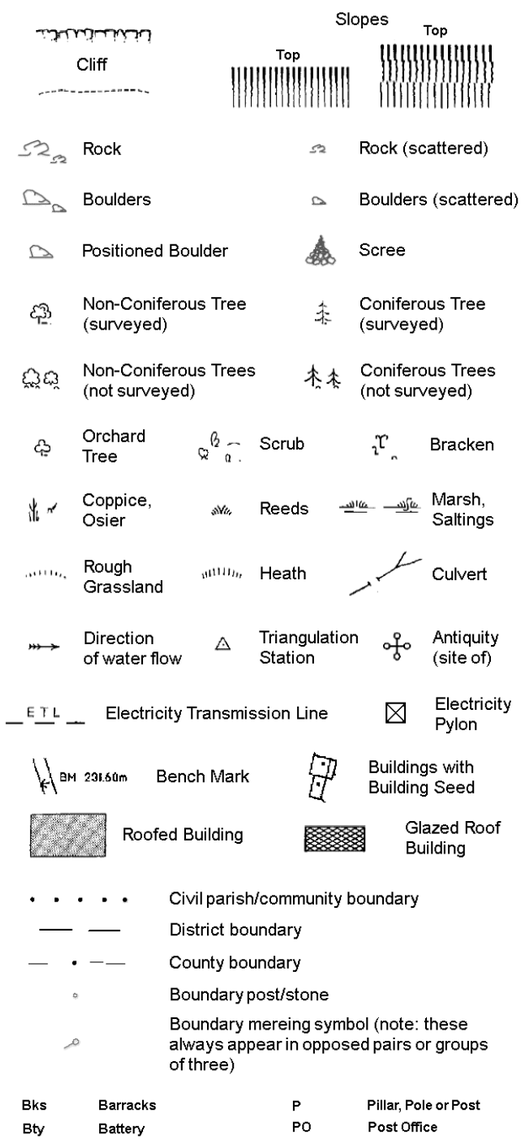
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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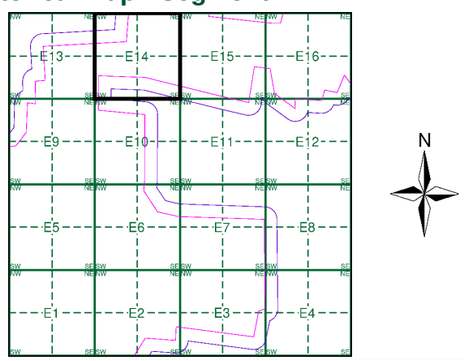
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979 - 1980	4
Large-Scale National Grid Data	1:2,500	1994	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment E14



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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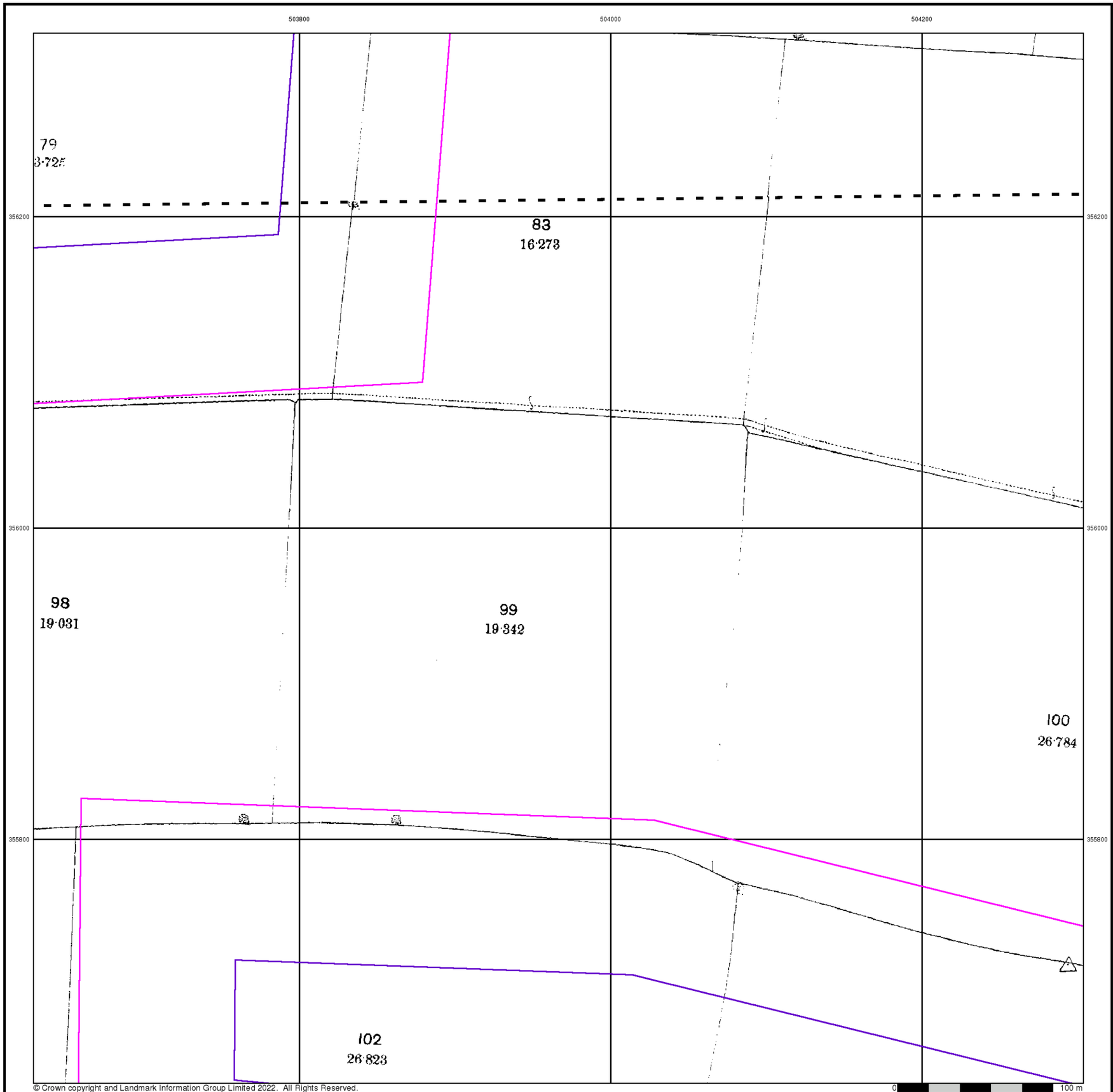
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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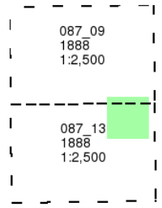
Lincolnshire

Published 1888

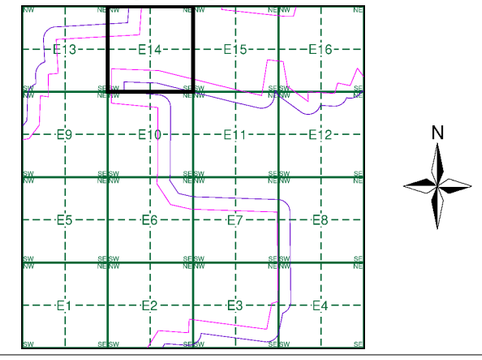
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment E14



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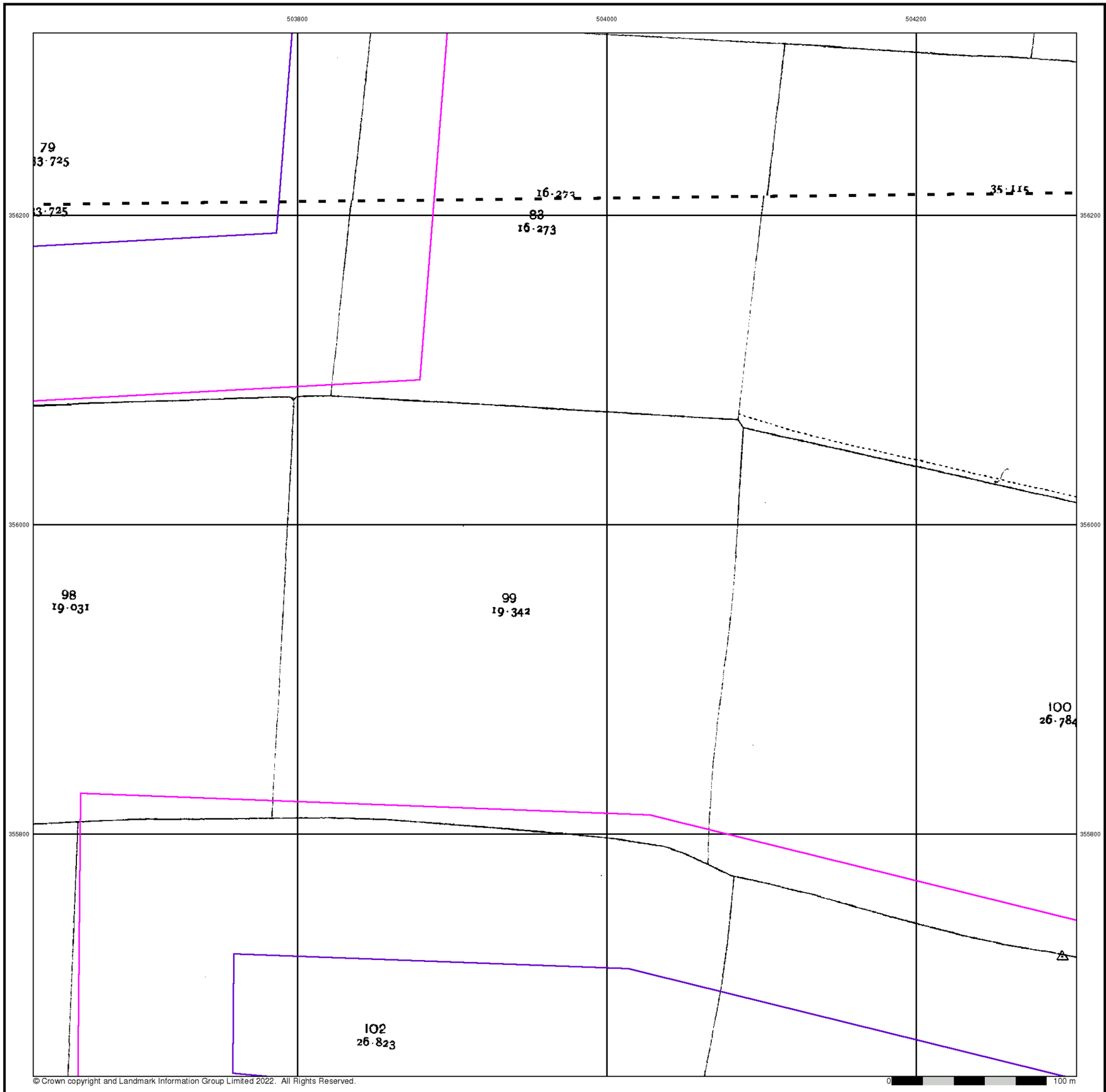

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Lincolnshire

Published 1905

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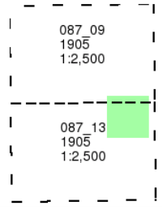
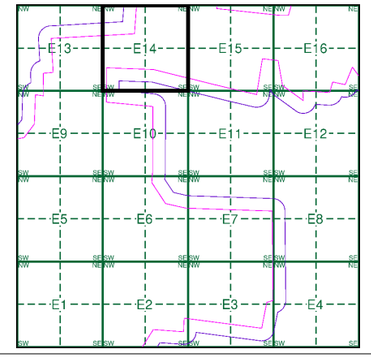


Historical Map - Segment E14



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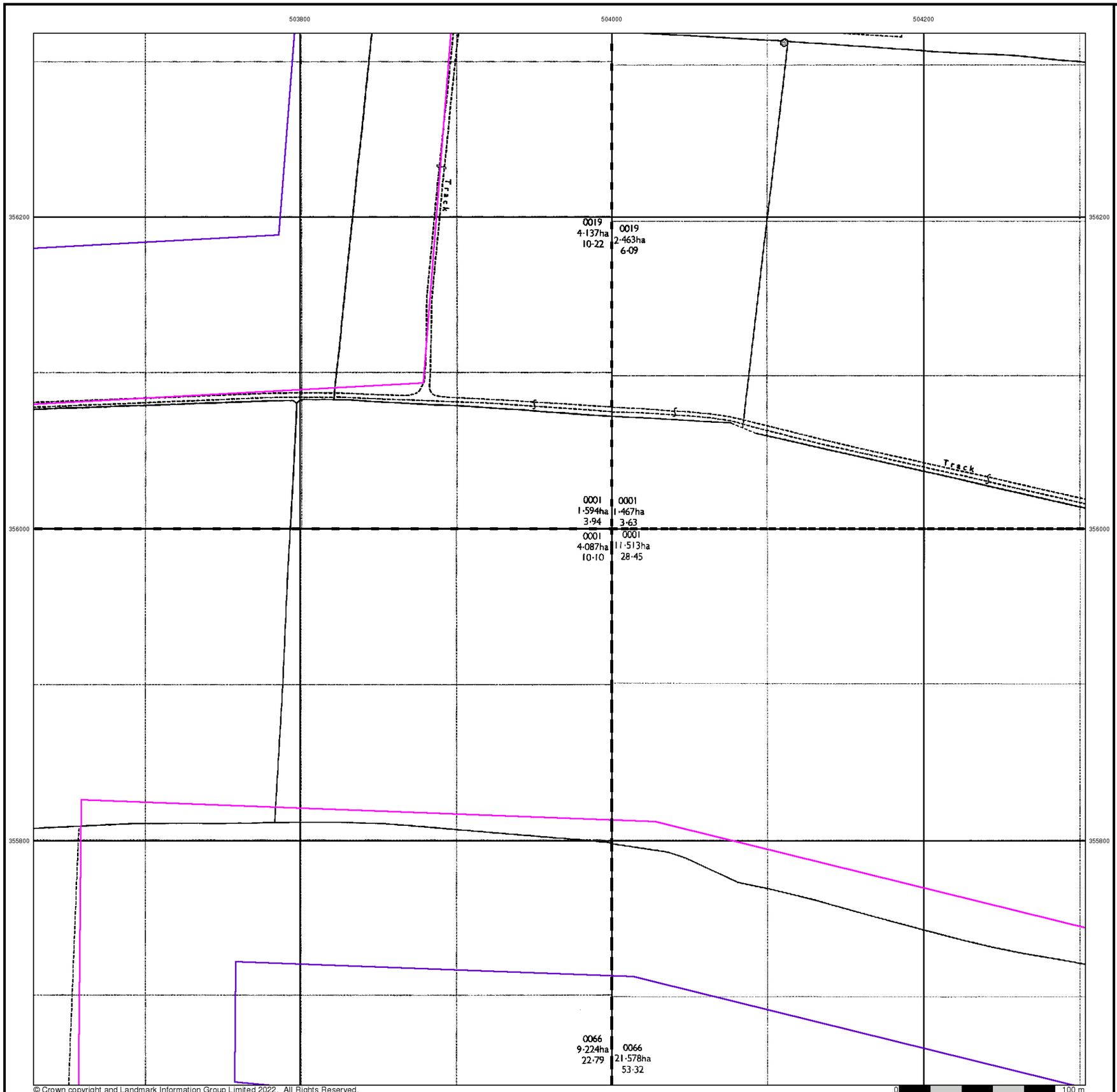

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Ordnance Survey Plan

Published 1979 - 1980

Source map scale - 1:2,500

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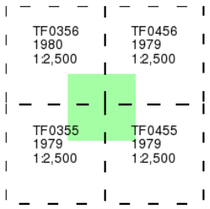
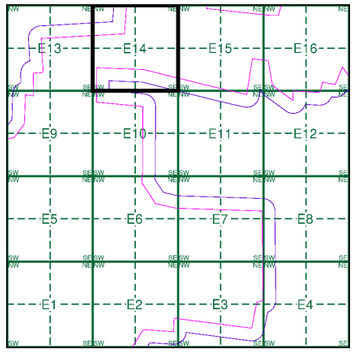


Historical Map - Segment E14



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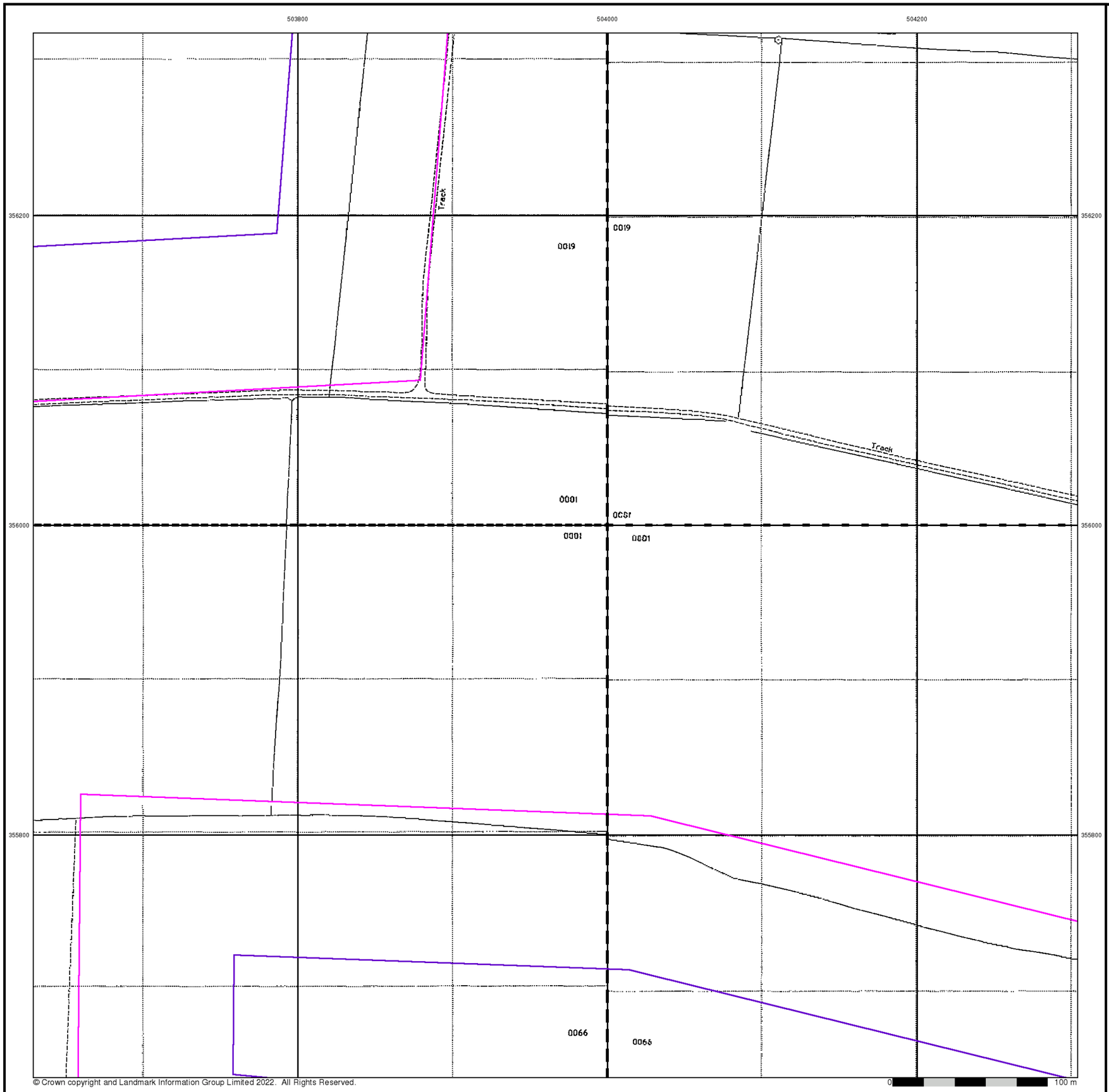

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

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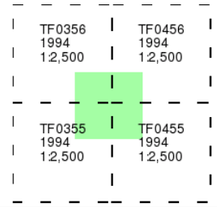
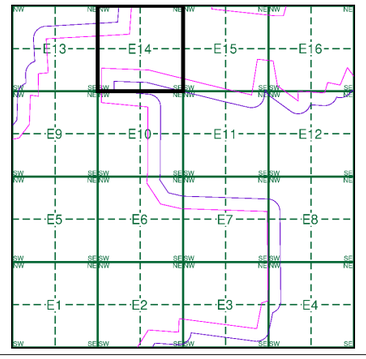


Historical Map - Segment E14



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Site Area (Ha):	1774.17
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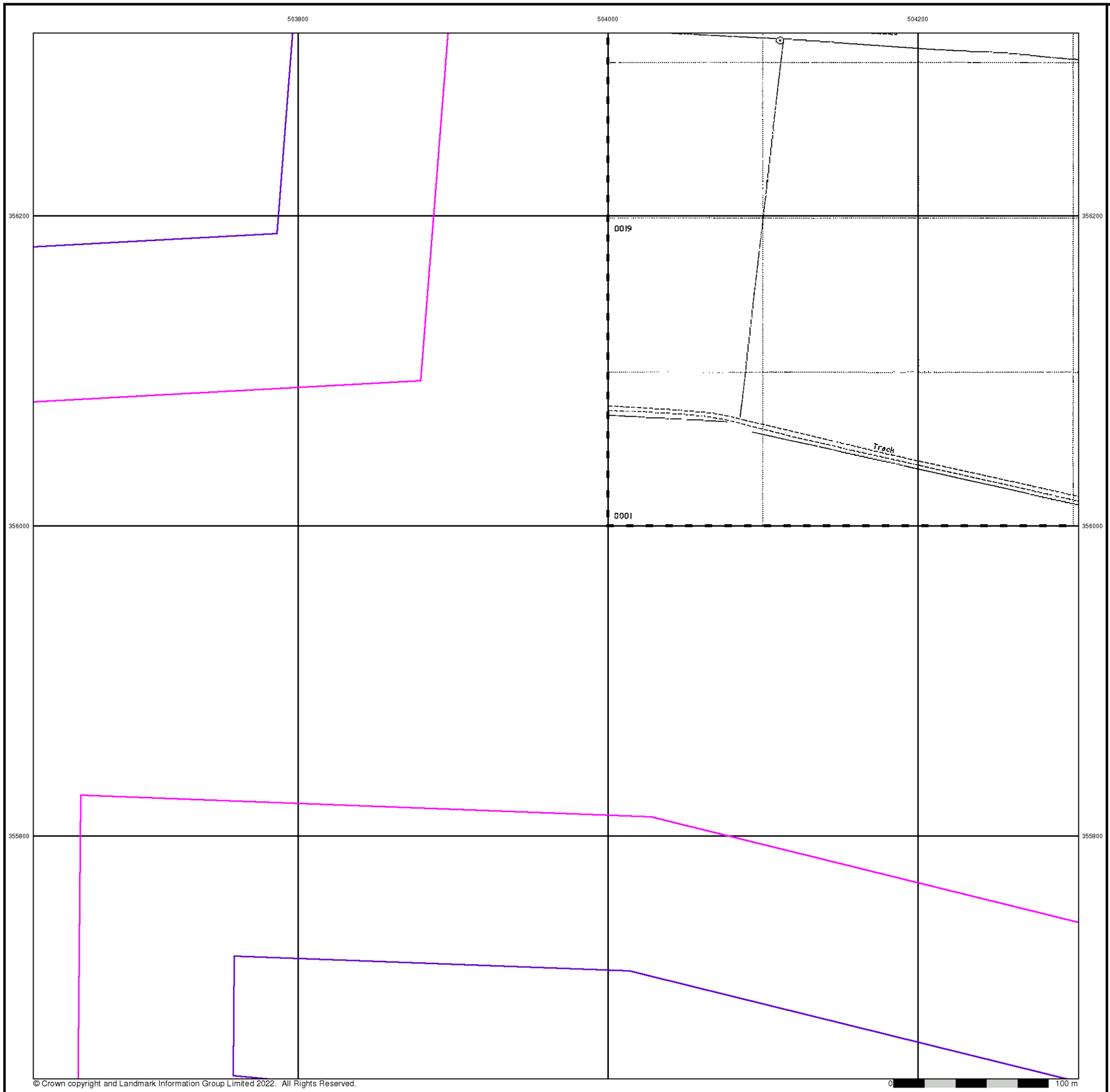

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Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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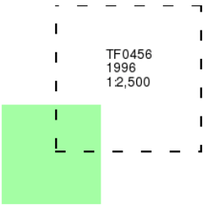
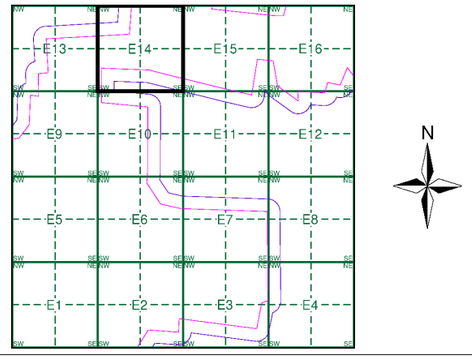


Historical Map - Segment E14



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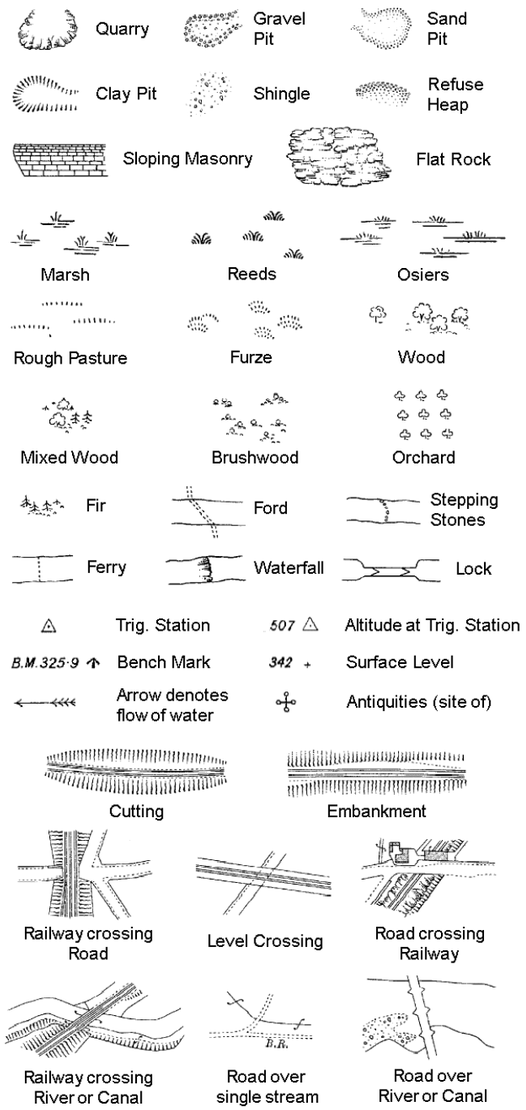
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



B P B S	Boundary Post or Stone	P.C.B	Police Call Box
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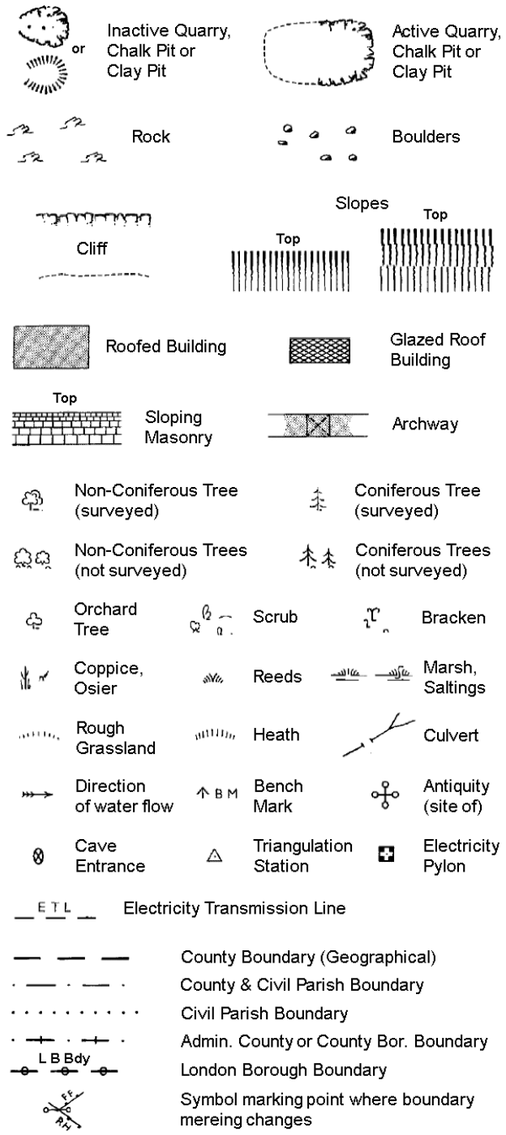
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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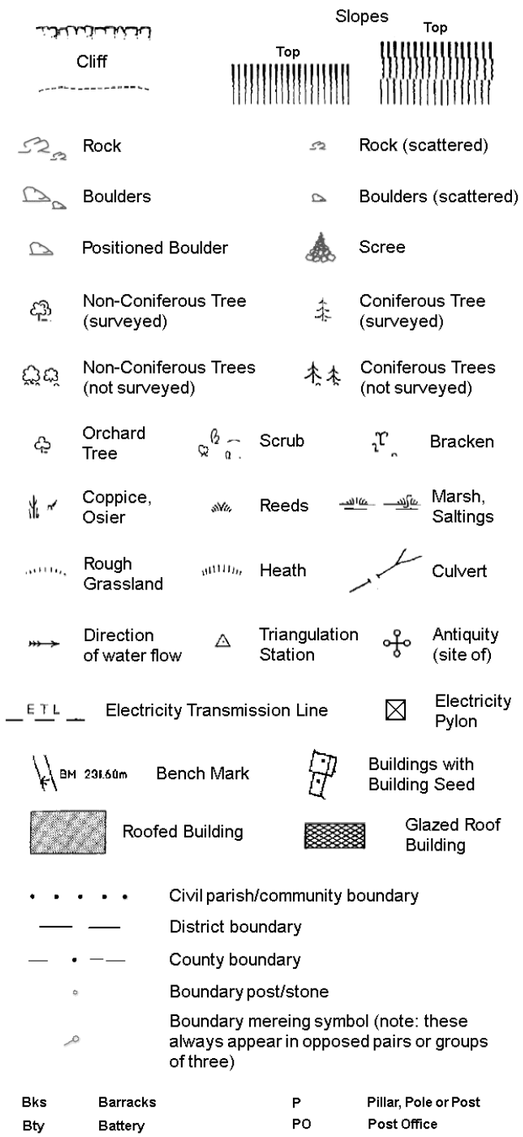
Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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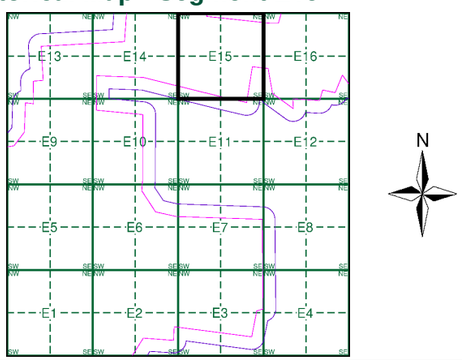
Large-Scale National Grid Data	1:2,500	1994	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment E15



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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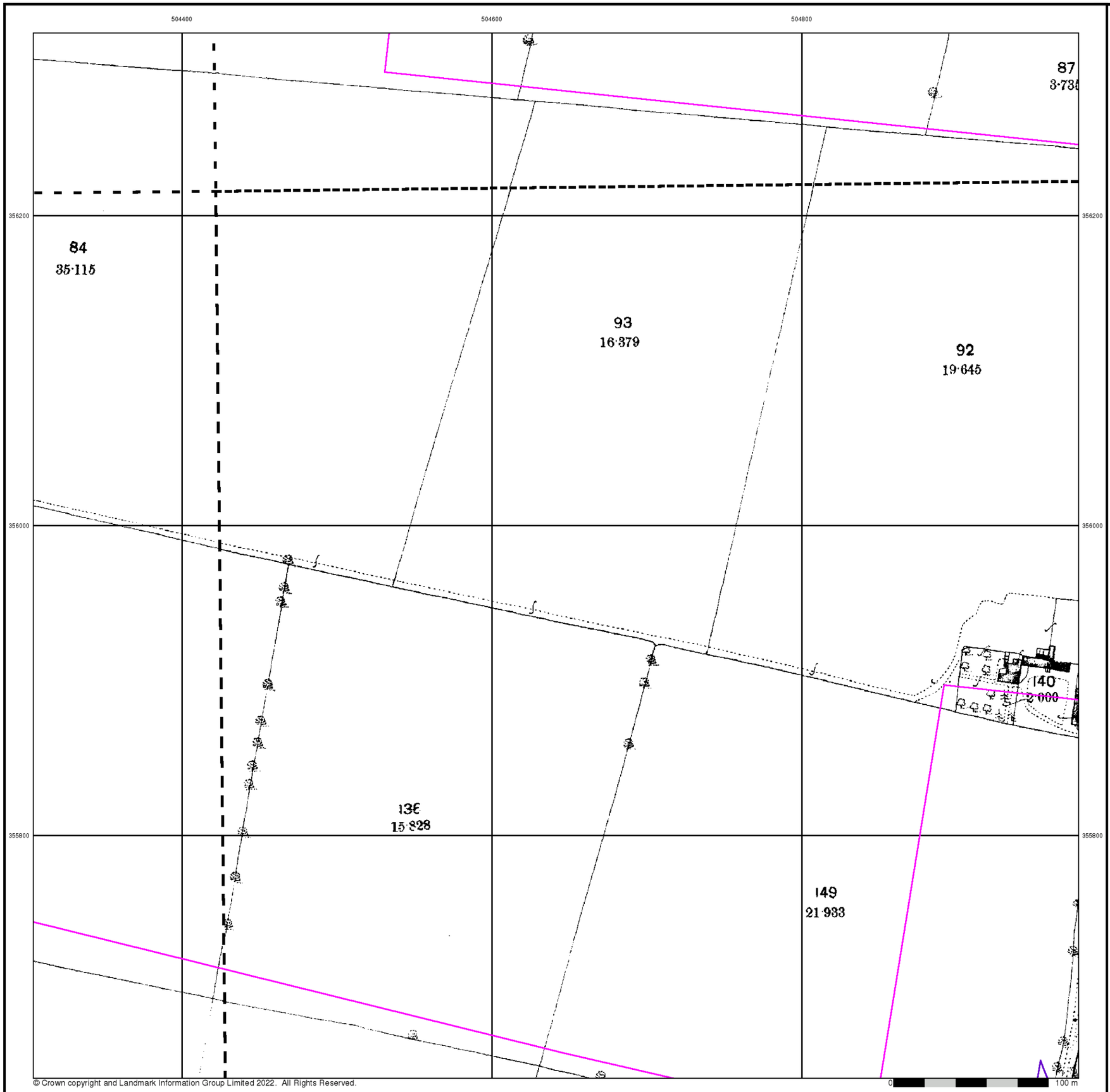

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Lincolnshire

Published 1888

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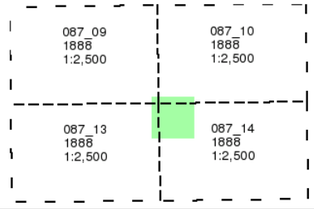
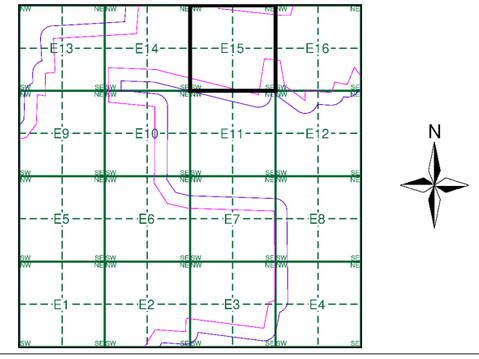


Historical Map - Segment E15



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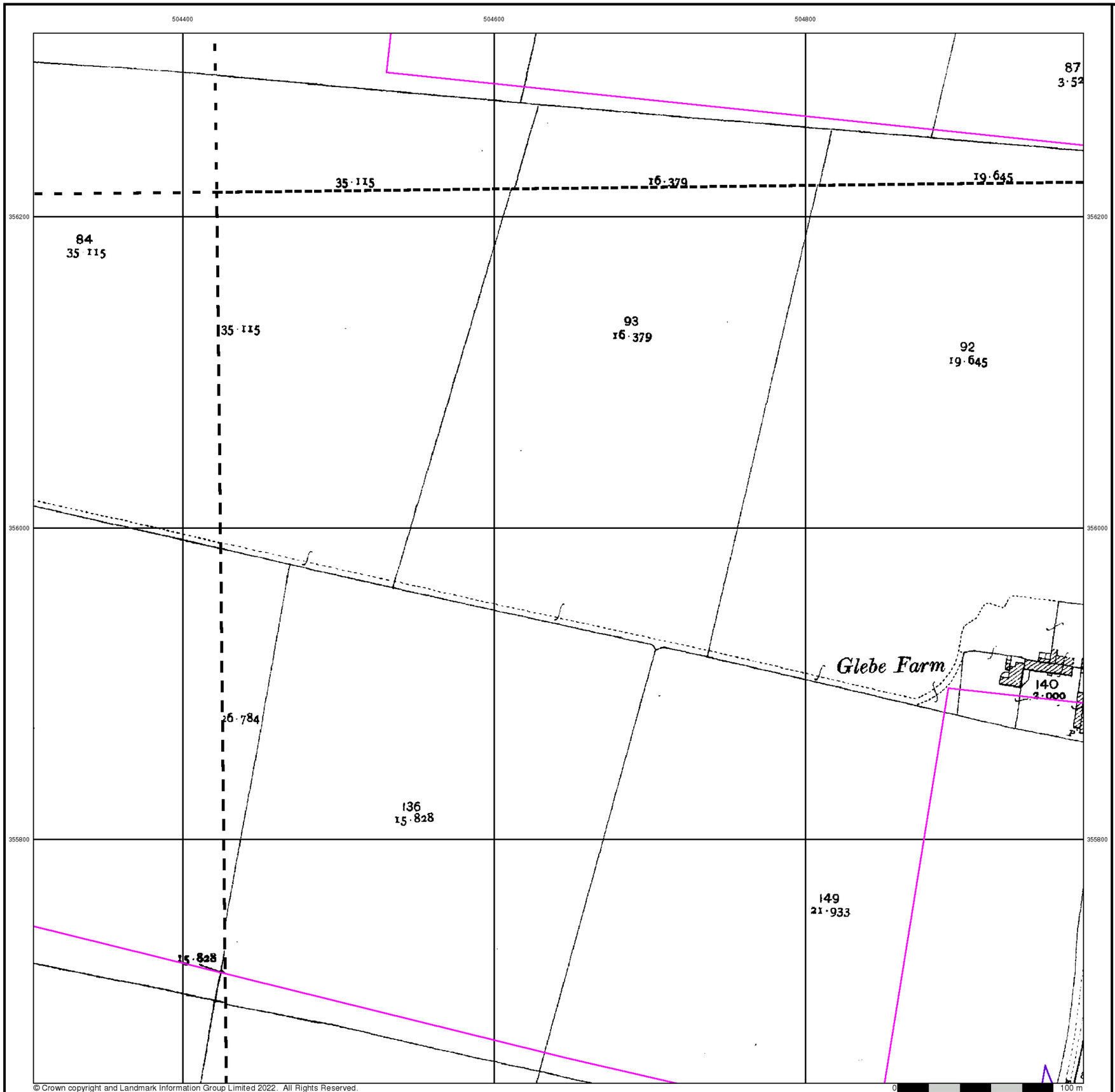

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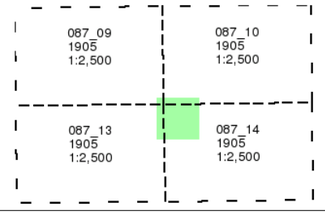
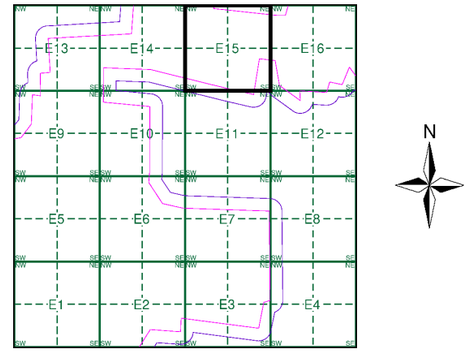


Historical Map - Segment E15



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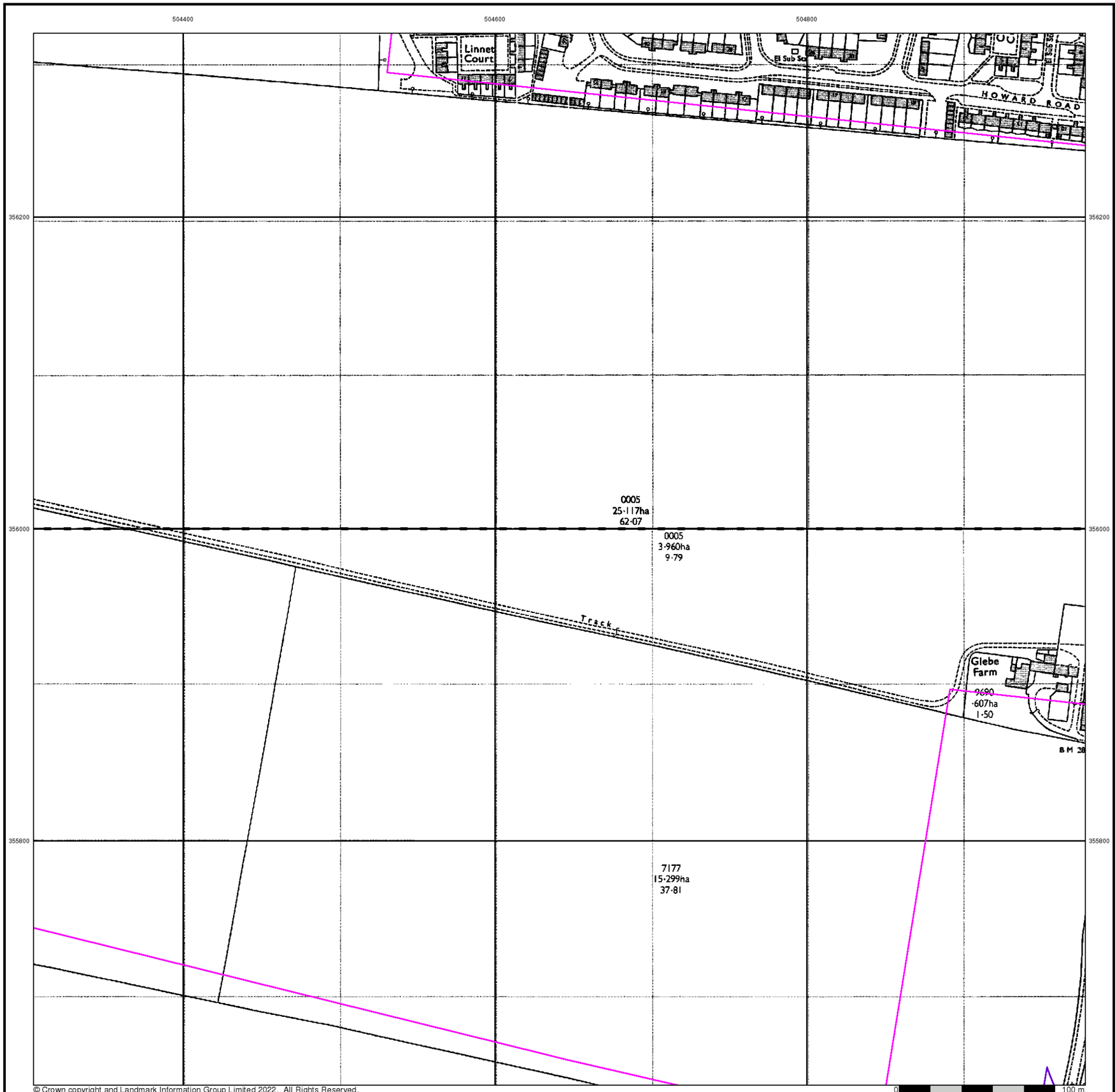

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RSK

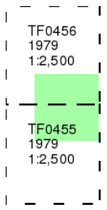
Ordnance Survey Plan

Published 1979

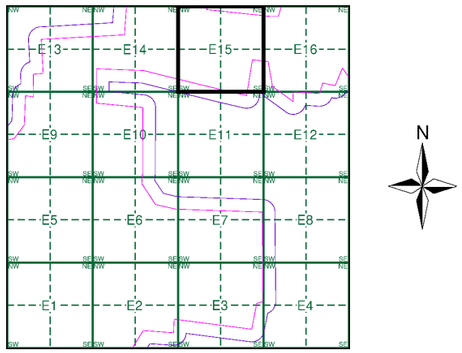
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment E15



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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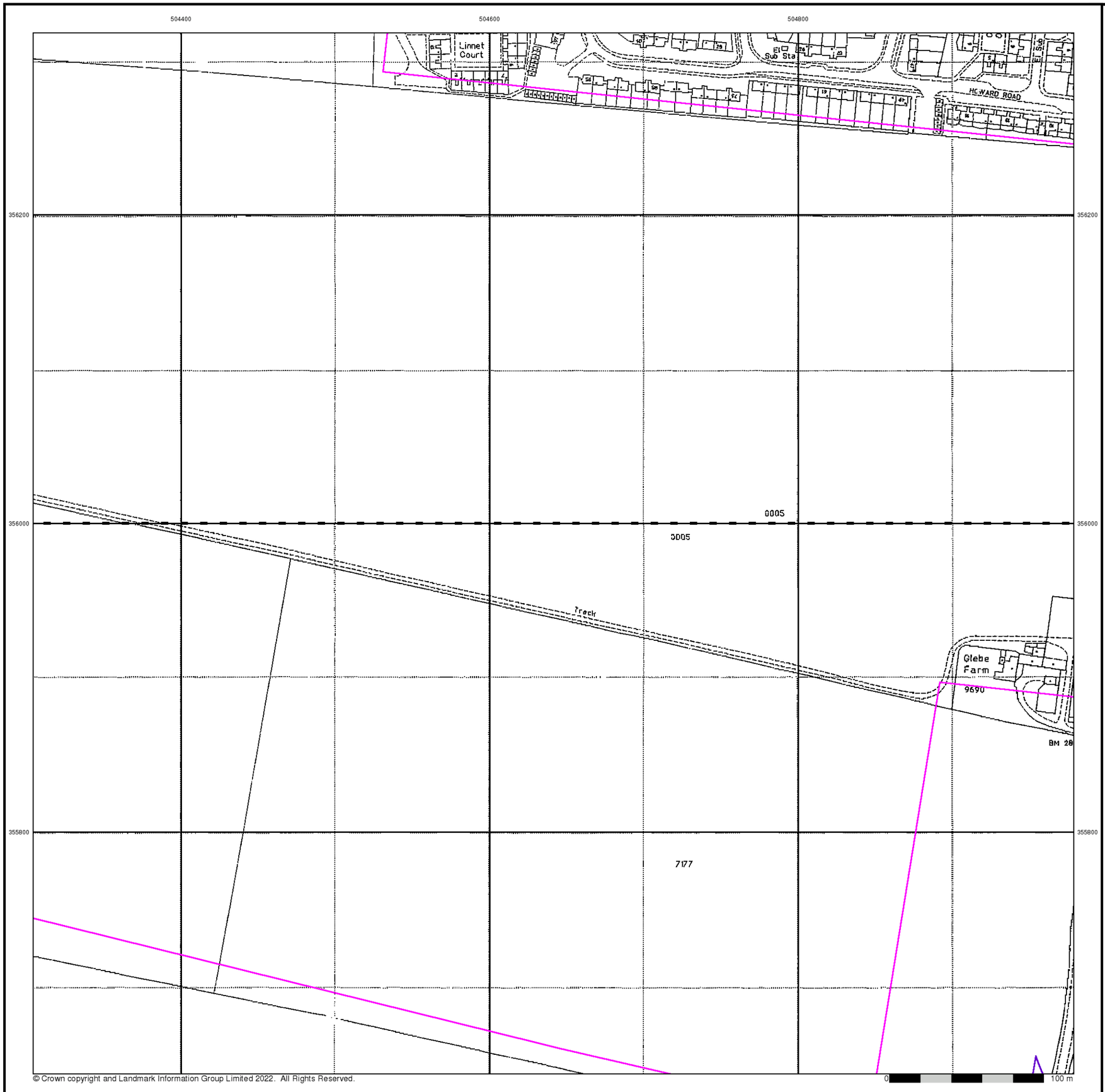

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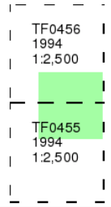
Large-Scale National Grid Data

Published 1994

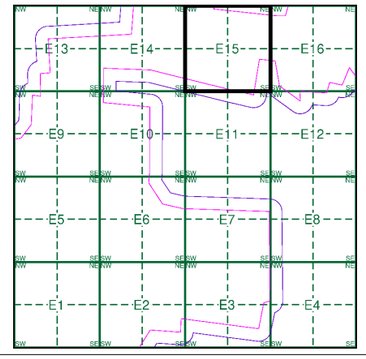
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E15



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National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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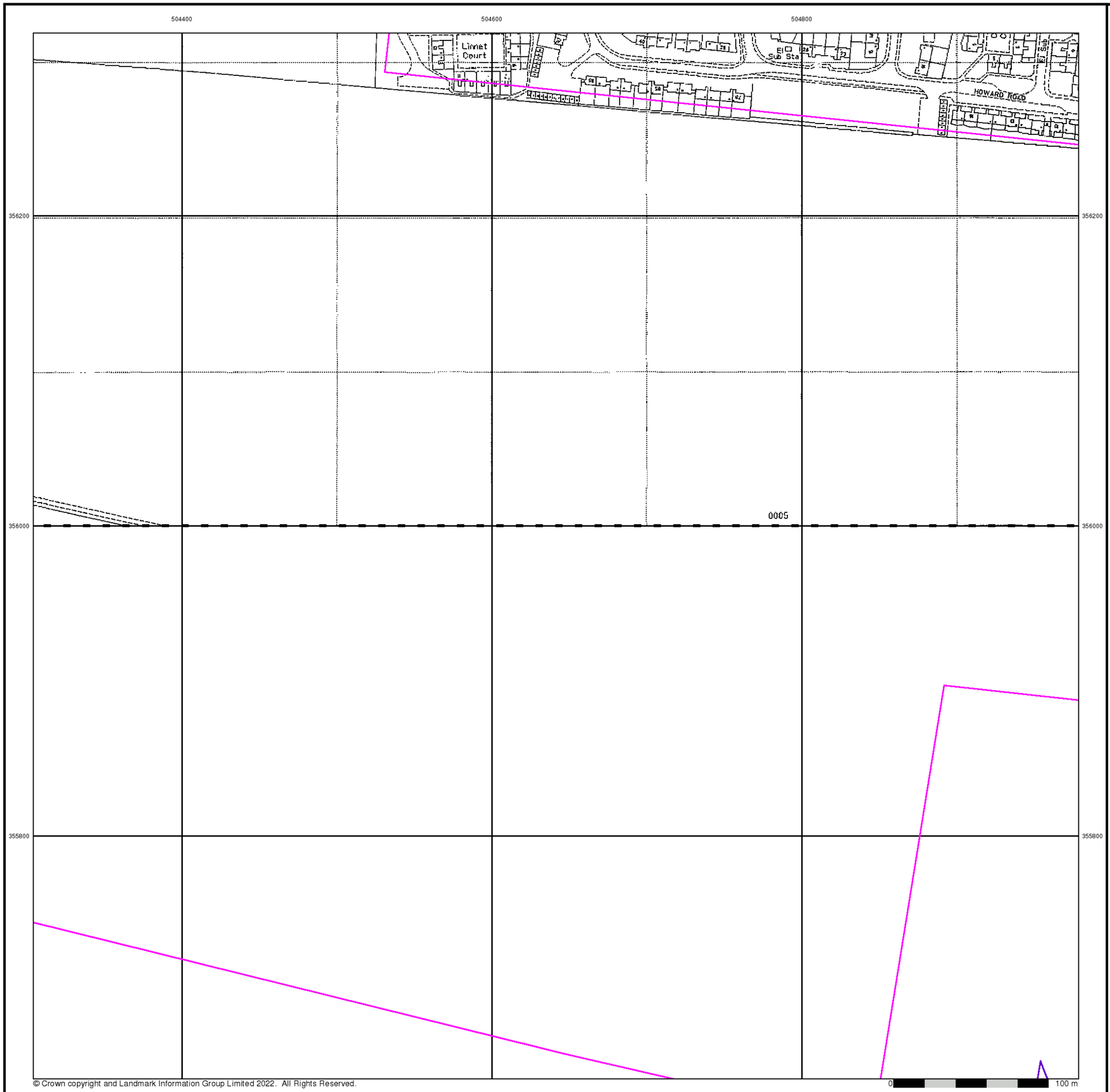

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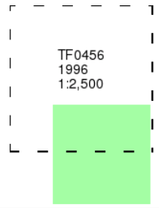
Large-Scale National Grid Data

Published 1996

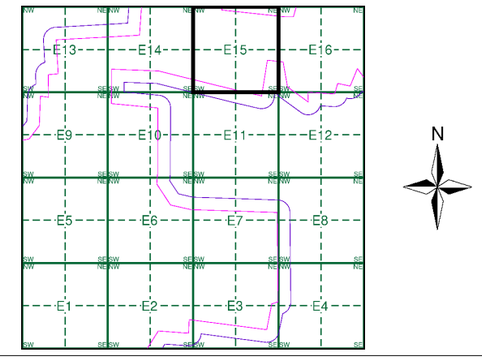
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E15



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Customer Ref:	P02130089
National Grid Reference:	504300, 354970
Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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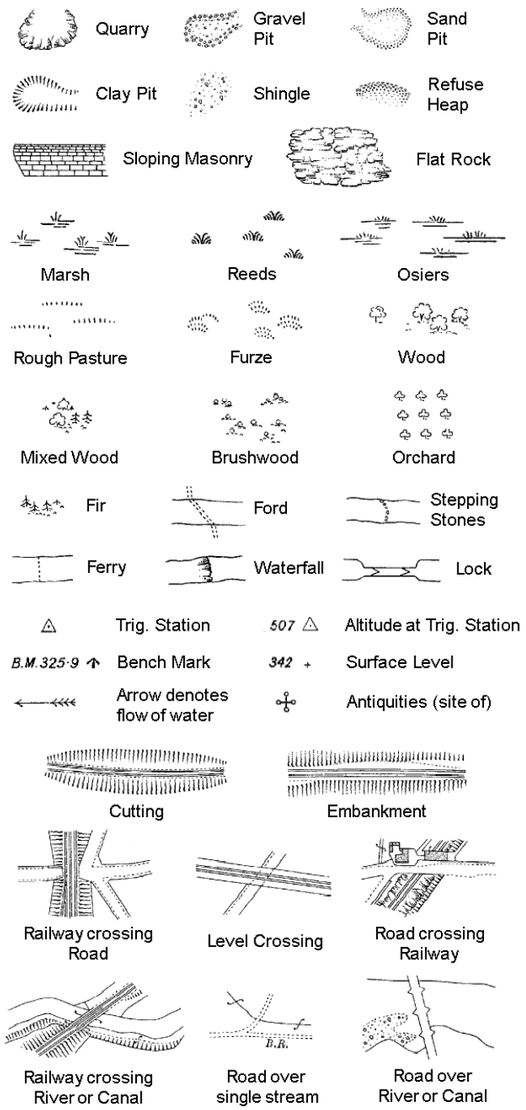
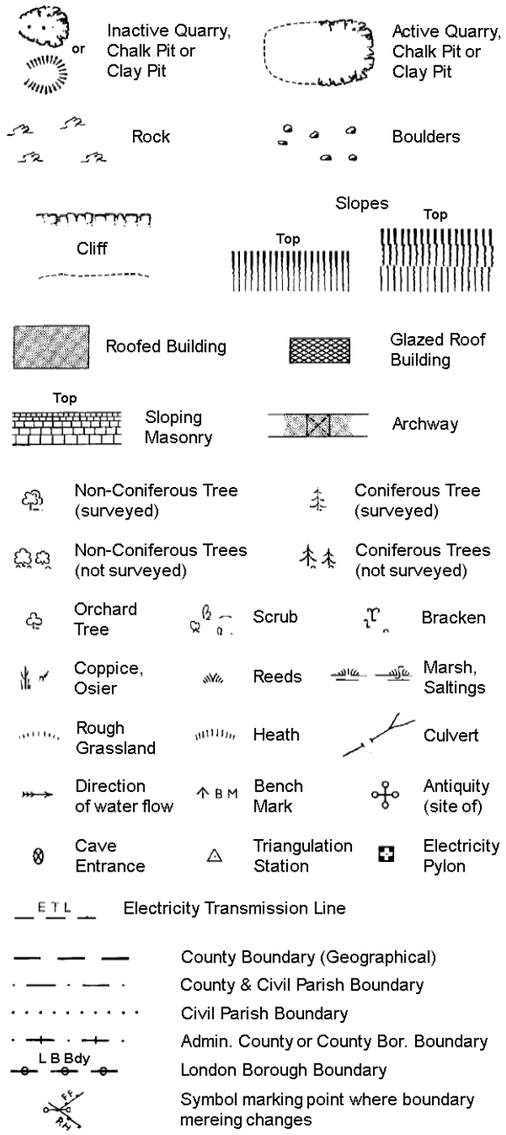
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



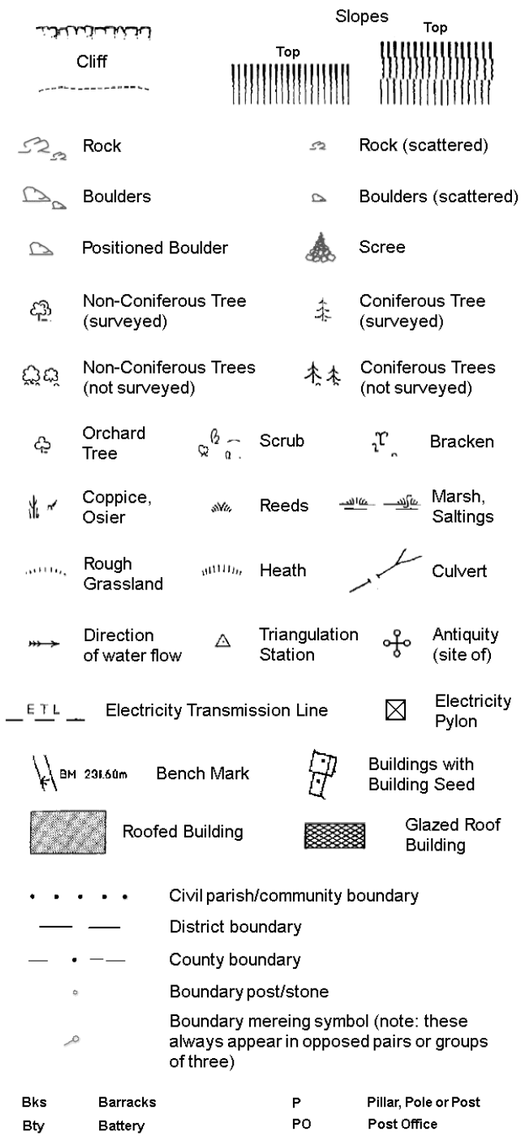
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



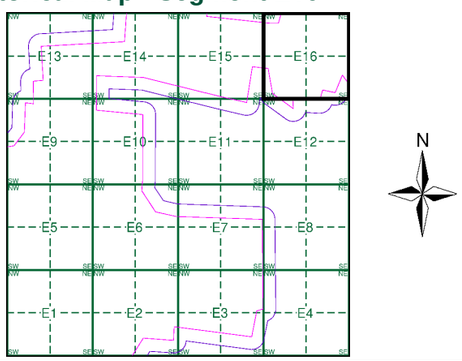
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment E16



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504300, 354970
Slice: E
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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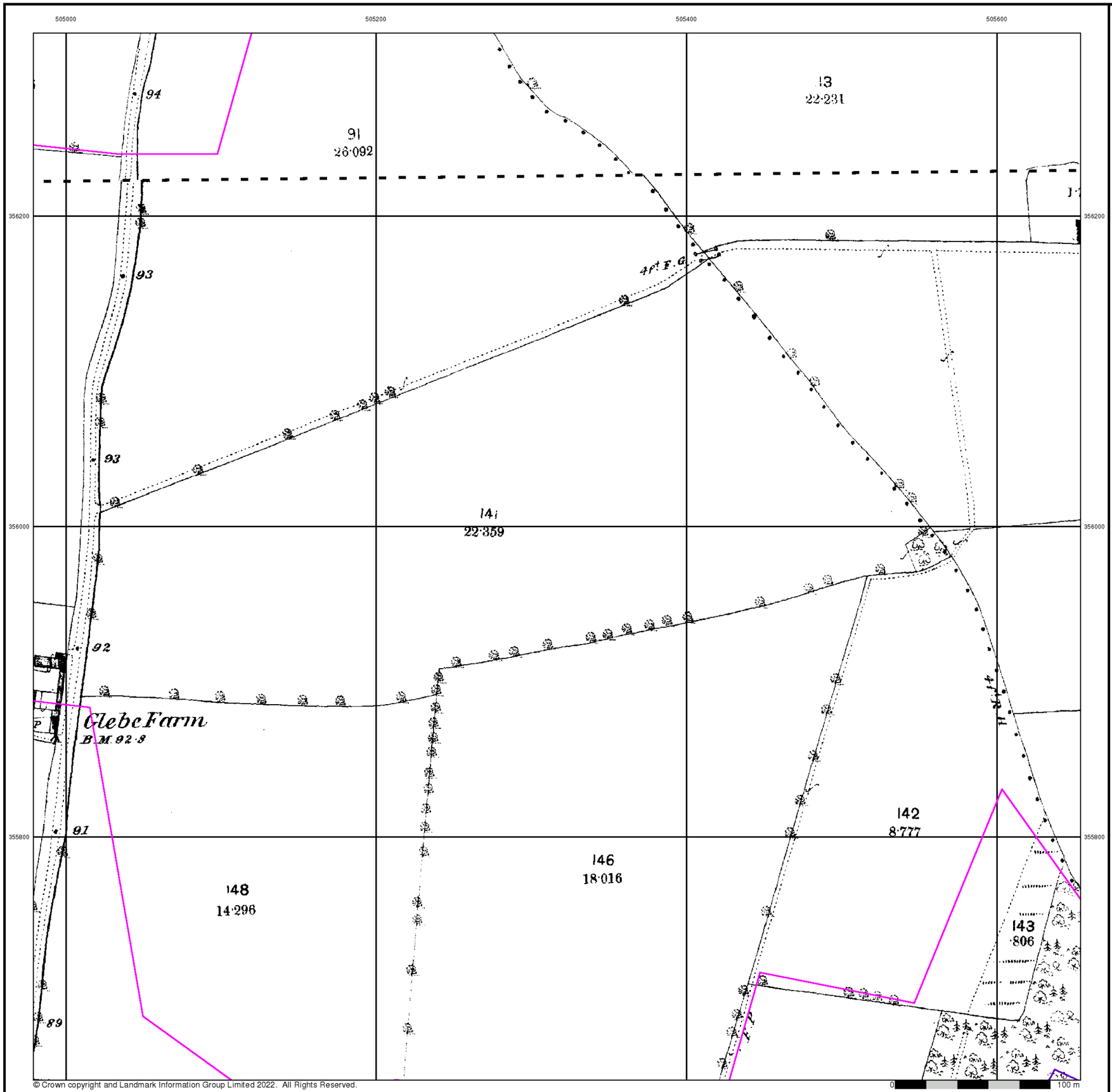

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0 100 m

RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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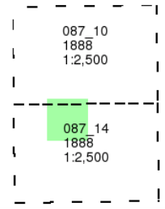
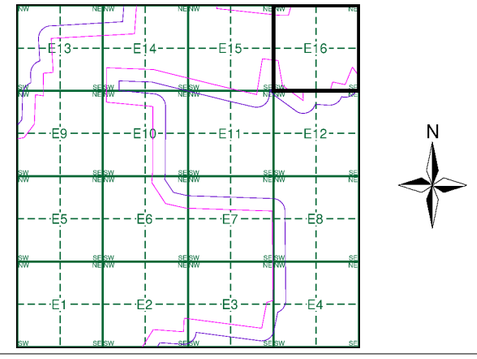
Map Name(s) and Date(s)



Historical Map - Segment E16



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Slice:	E
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Search Buffer (m):	100

Site Details

All Areas New

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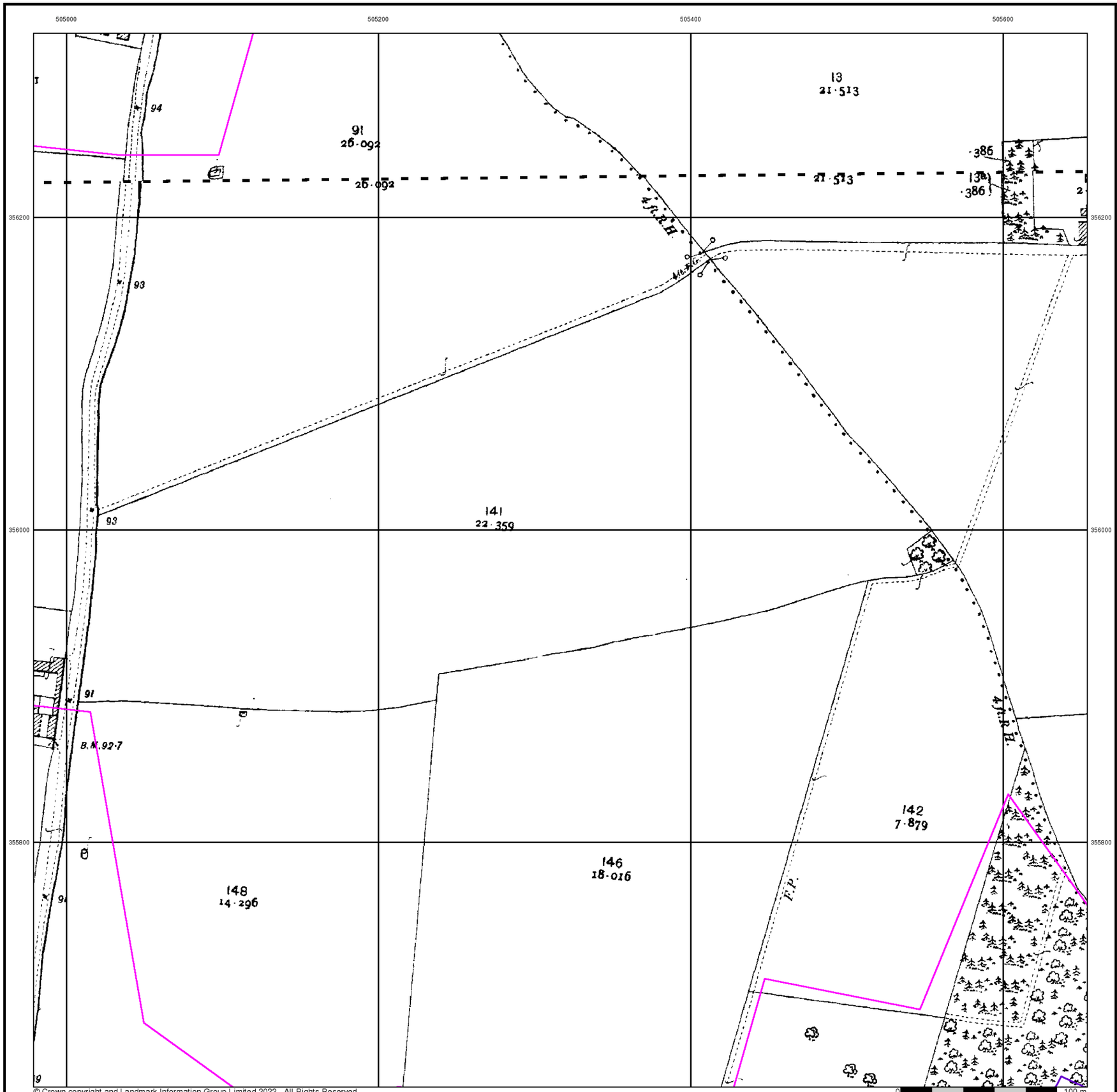

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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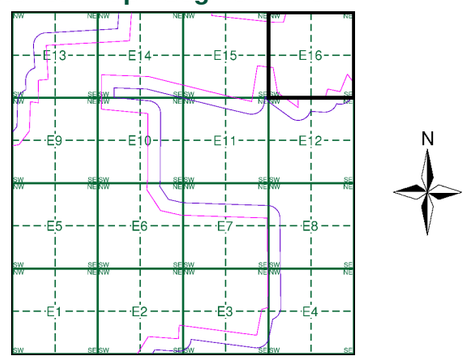
087_10
1905
1:2,500

087_14
1905
1:2,500

Historical Map - Segment E16



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Slice:	E
Site Area (Ha):	1774.17
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Site Details

All Areas New

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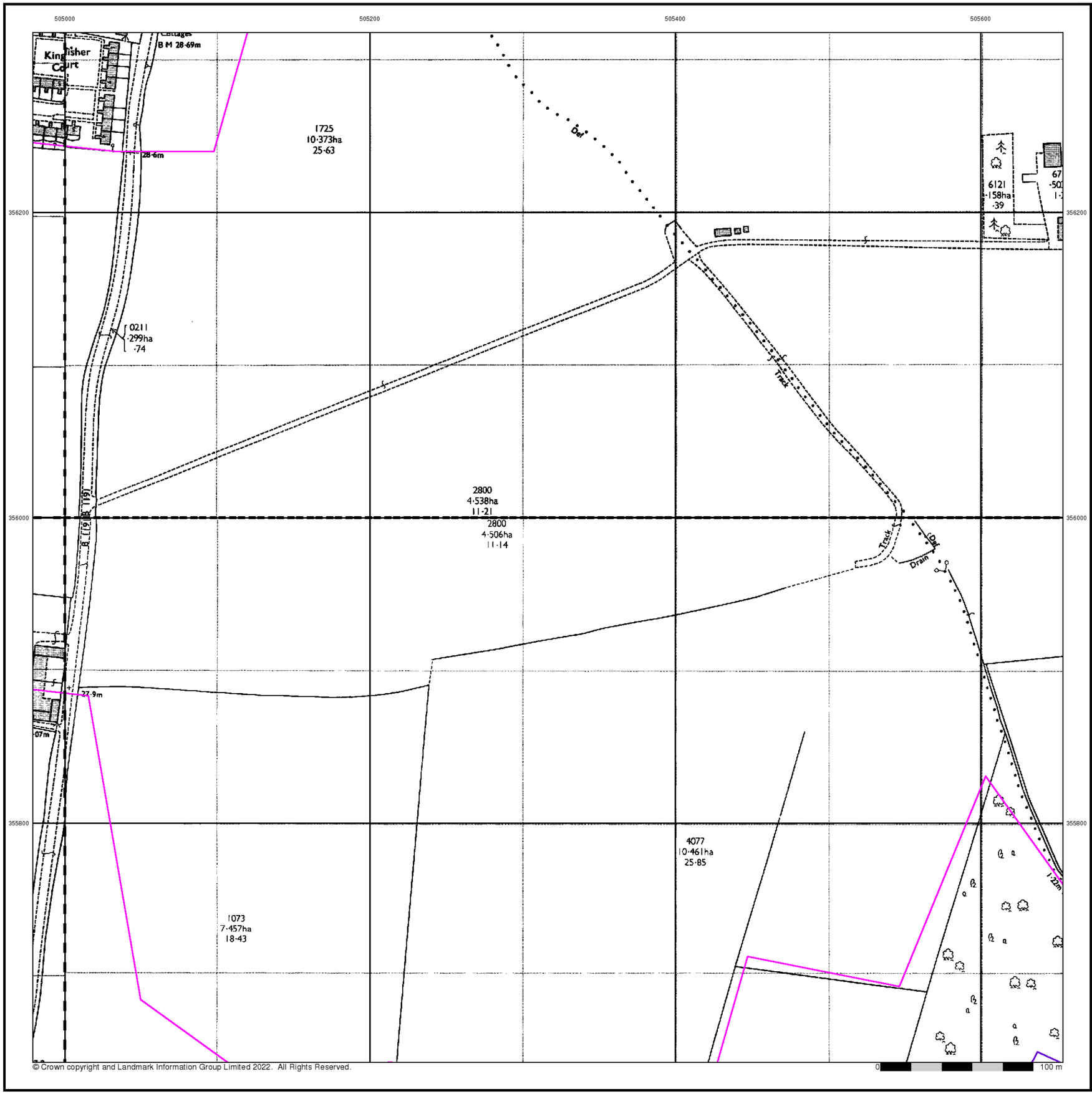

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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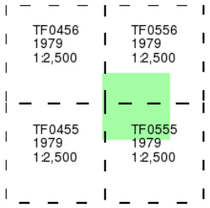
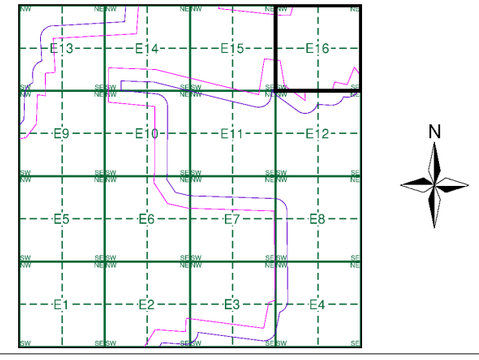


Historical Map - Segment E16



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Slice:	E
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Site Details

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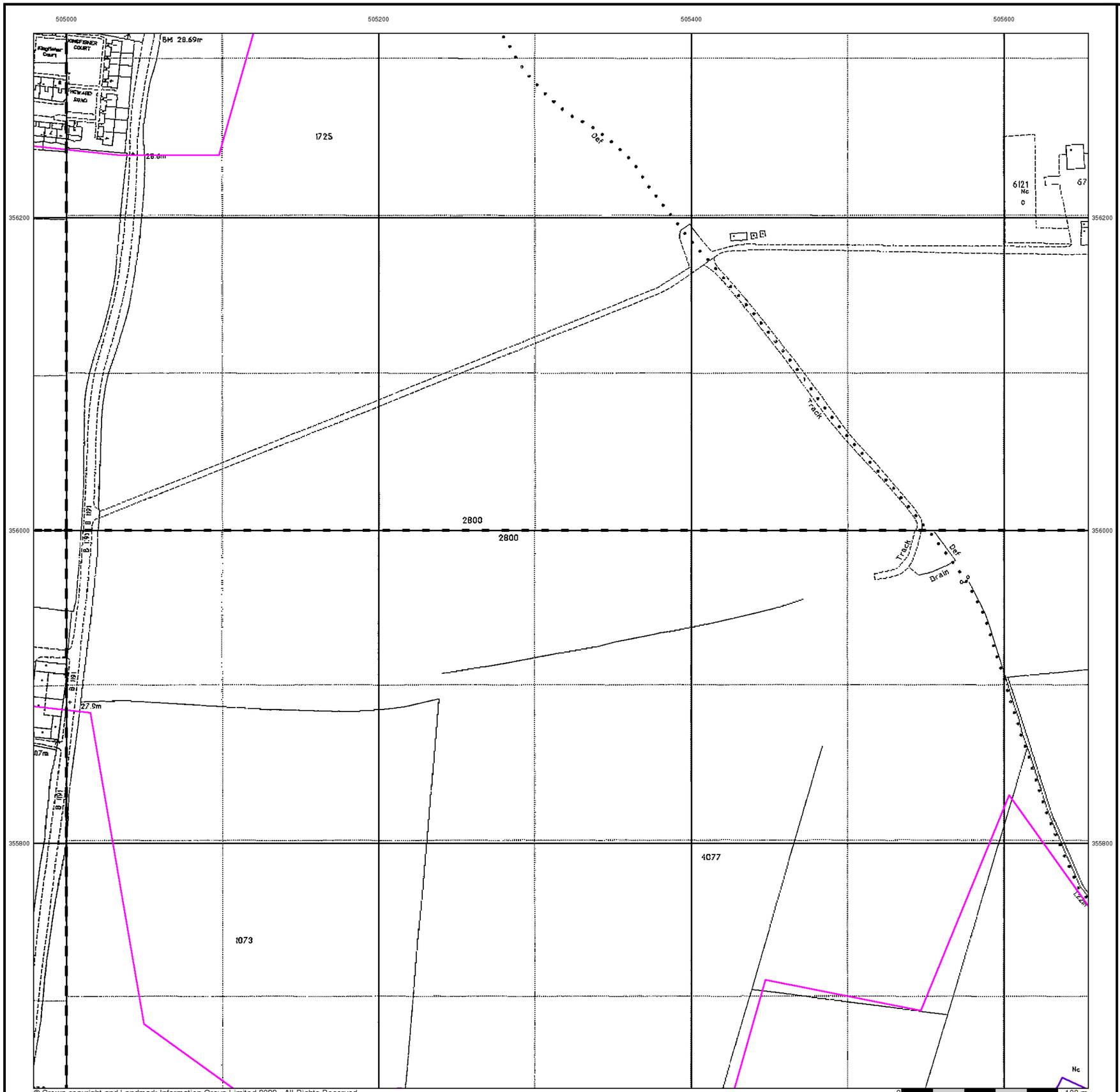

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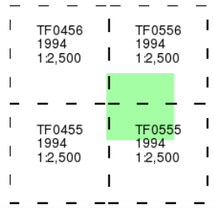
Large-Scale National Grid Data

Published 1994

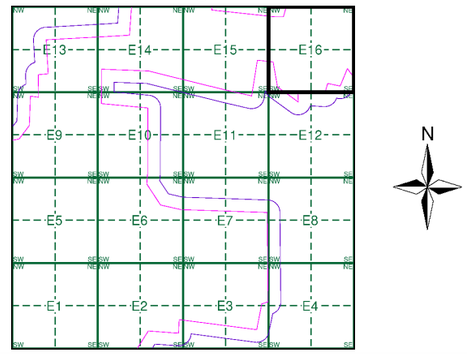
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment E16



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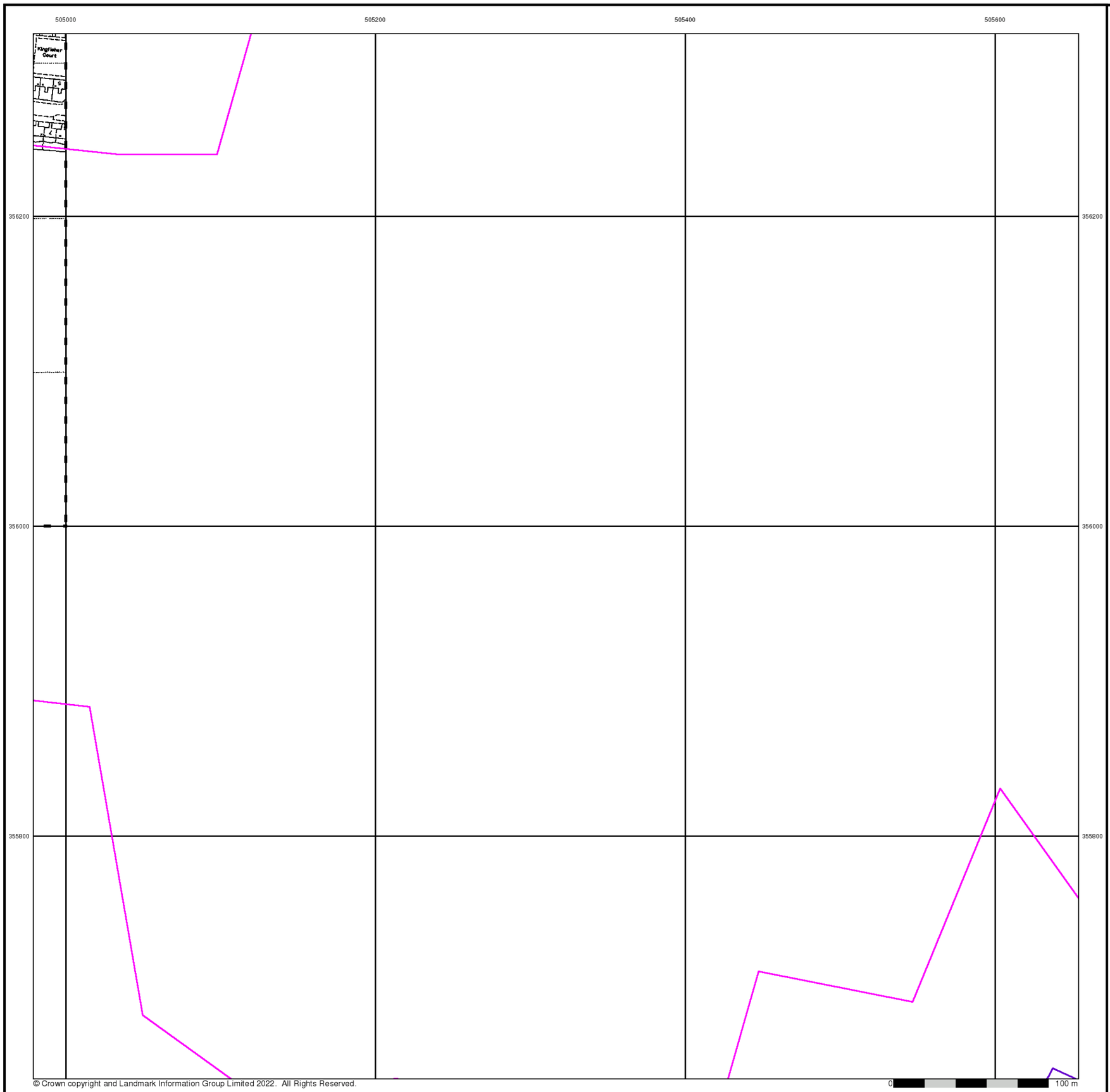

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RSK

Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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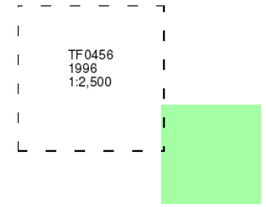

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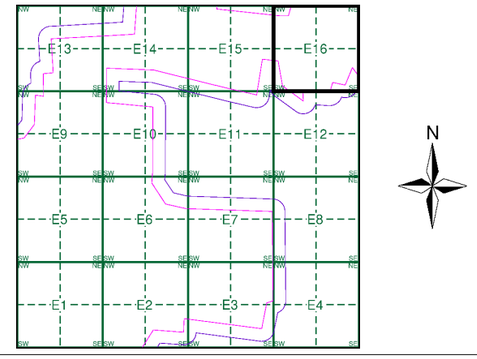

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Slice:	E
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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Web: www.envirocheck.co.uk

APPENDIX D6 ENVIRONMENTAL DATABASE REPORT – ZONE F

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
506460, 355390

Slice:
F

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:
All Areas New

Client Details:
Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

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Summary	-
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Industrial Land Use	-
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Data Suppliers	30
Useful Contacts	31

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2	1			
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2	Yes			
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3				(*13)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 15	14	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 16	Yes	n/a	n/a	n/a
Source Protection Zones	pg 17	1			
Extreme Flooding from Rivers or Sea without Defences	pg 17	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 17	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 17	12	4	2	24

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 22	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 23	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 23	1			
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 23	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 23	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 23	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 23		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 24	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 24	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 25	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	F16SE (E)	0	1	508150 355850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	F14NW (N)	0	1	506400 356050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	F10NW (NE)	0	1	506459 355389
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	F13NE (N)	0	1	506250 356000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	505000 354600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	0	1	505000 354750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	505050 355850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	505000 354500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	505000 353200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	506500 356850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	505000 355550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	6	1	505950 353550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	20	1	505250 356900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	24	1	505100 354500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	29	1	505150 354600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	30	1	505250 354650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	56	1	505300 356900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	78	1	506900 356350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	83	1	505250 356850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	139	1	505150 353550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	145	1	505150 353850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	161	1	505300 354900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	208	1	505700 352900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	208	1	505000 355000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	217	1	506900 356500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	225	1	505350 354500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	253	1	505250 353800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	263	1	505200 353750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	280	1	505300 354800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	F10NE (E)	307	1	506700 355400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	308	1	505000 355300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	329	1	505350 354650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	330	1	505350 354750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	F14SE (NE)	331	1	506750 355950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	F14SE (NE)	360	1	506750 355900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	377	1	505450 354400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(E)	448	1	509100 355650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	463	1	505450 353800
1	**Discharge Consents** Operator: Miss L Pickett & Mr S Purdie Property Type: Domestic Property (Single) Location: The Maltings & The Granary & The Hayloft, Hilltop Barns, Nr Ashby De La Launde, Sleaford, Ln4 3jf Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Prnnf18151 Permit Version: 1 Effective Date: 16th June 2004 Issued Date: 25th June 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unnamed Trib Of Dorrington Dye **Status:** **New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	F13NW (NW)	0	2	505681 356199
	Nearest Surface Water Feature	F13NE (N)	0	-	506242 356108

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J & J Waudby Licence Number: 4/30/09/*S/0140 Permit Version: 100 Location: Springwell Beck -Bloxholme Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st March 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	F6SE (SE)	1323	2	507000 354400
	Water Abstractions Operator: J. R. & J. Waudby Licence Number: 4/30/09/**/140 Permit Version: Not Supplied Location: Riparian Drain, BLOXHOLME Authority: Environment Agency, Anglian Region Abstraction: Fill Etc Reservoir Transfer Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 27 Yearly Rate (m3): 2180000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	F6SE (SE)	1328	2	507000 354395
	Water Abstractions Operator: J R Waudby & Son Licence Number: 4/30/09/*S/0167/R01 Permit Version: 1 Location: Springwell Beck -Bloxholme Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	F6SE (SE)	1350	2	507000 354370
	Water Abstractions Operator: J R Waudby & Son Licence Number: 4/30/09/*S/0167 Permit Version: 1 Location: Springwell Beck -Bloxholme Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	F6SE (SE)	1350	2	507000 354370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: T E D Dennis Licence Number: 4/30/09/*G/0141 Permit Version: 100 Location: Borehole At Digby Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 1st March 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	F8NW (SE)	1530	2	507760 354840
	Water Abstractions Operator: P. M. Key Licence Number: 4/30/09/*g/104 Permit Version: Not Supplied Location: Disused Authority Bore Digby, BURWELL Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 27 Yearly Rate (m3): 1000000 Details: Central Lincolnshire Limestone; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	F8NW (SE)	1533	2	507760 354835
	Water Abstractions Operator: J & J Waudby Licence Number: 4/30/09/*S/0140 Permit Version: 100 Location: Riparian Drain - Bloxholme Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st March 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	F3NW (SE)	1547	2	507100 354200
	Water Abstractions Operator: J. R. & J. Waudby Licence Number: 4/30/09/**/140 Permit Version: Not Supplied Location: Springwell Beck, BLOXHOLME Authority: Environment Agency, Anglian Region Abstraction: Fill Etc Reservoir Transfer Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 27 Yearly Rate (m3): 2180000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	F3NW (SE)	1547	2	507100 354200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J. R. & J. Waudby Licence Number: 4/30/09/**/140 Permit Version: Not Supplied Location: Riparian Drain , BLOXHOLME Authority: Environment Agency, Anglian Region Abstraction: Impounding Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 27 Yearly Rate (m3): 2180000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	F3NW (SE)	1554	2	507105 354195
	Water Abstractions Operator: J. R. & J. Waudby Licence Number: 4/30/09/**/140 Permit Version: Not Supplied Location: Springwell Beck, BLOXHOLME Authority: Environment Agency, Anglian Region Abstraction: Fill Etc Reservoir Transfer Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 27 Yearly Rate (m3): 2180000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	F8SW (SE)	1617	2	507700 354595
	Water Abstractions Operator: J R Waudby & Son Licence Number: 4/30/09/*S/0167/R01 Permit Version: 1 Location: Riparian Drain - Bloxholme Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	F3NW (SE)	1620	2	507080 354110
	Water Abstractions Operator: J R Waudby & Son Licence Number: 4/30/09/*S/0167 Permit Version: 1 Location: Riparian Drain - Bloxholme Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	F3NW (SE)	1620	2	507080 354110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: J. R. & J. Waudby Licence Number: 4/30/09/**/140 Permit Version: Not Supplied Location: Riparian Drain, BLOXHOLME Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 27 Yearly Rate (m3): 2180000 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	F8SW (SE)	1621	2	507705 354595
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505462 357000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	507228 357000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505249 356000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	504987 353459
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	505540 355663
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505244 355934
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505000 352995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505000 353965
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505000 353369
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F13NW (NW)	0	3	505930 356272
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F9NE (NW)	0	3	506000 355643

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F10NW (N)	0	3	506449 355444
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505643 356000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F14NW (N)	0	3	506459 356000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	507203 357022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505000 353000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505000 354542
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505000 354749
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505000 354601

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F13NE (NW)	0	3	506000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505052 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F14NE (NE)	0	3	506739 356000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F14NE (NE)	0	3	507000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505000 354000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505000 353227
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	504988 355576

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F13SE (NW)	0	3	506000 355956
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	505432 355738
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	505000 355685
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F9NE (W)	0	3	506000 355389

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F13NE (NW)	0	3	506156 356000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	F10NW (NE)	0	3	506459 355389
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505000 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	505329 357000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	506000 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	506459 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	507000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(SW)	0	3	505000 353000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(NW)	0	3	505000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	F13NE (NW)	0	3	506000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	F14NW (N)	0	3	506459 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	F14NE (NE)	0	3	507000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(NW)	0	3	505000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(N)	0	3	506000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(N)	0	3	506459 357000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(N)	0	3	507000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(SW)	0	3	505000 354000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(W)	0	3	505000 355389
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	F9NE (W)	0	3	506000 355389
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	F10NW (NE)	0	3	506459 355389
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - Moderate Possibility	(W)	0	3	505000 355000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(W)	0	3	505540 355663
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(NE)	0	3	507599 356683
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(W)	0	3	505000 354884
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(NW)	0	3	505244 355934
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	F10NW (N)	0	3	506449 355444
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(SW)	0	3	505000 353965
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(SW)	0	3	505000 353369
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(SW)	0	3	505000 354601
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(W)	0	3	504988 355576
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	F14SE (NE)	0	3	506764 355886
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SW)	0	3	505000 353227
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	F16NE (NE)	0	3	508045 356120
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	F10NW (NE)	0	3	506459 355389
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	F13NW (NW)	0	3	505930 356272
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SW)	0	3	505000 354749

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	(S)	0	2	506288 353210
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	F6SE (SE)	0	2	506934 354398
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	F6SE (SE)	0	2	506891 354372
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
3	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 226.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F13SW (NW)	0	4	505833 355929
4	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 454.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	F13SW (NW)	0	4	505936 355690
5	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 279.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F13SW (NW)	0	4	505897 355924
6	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 246.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F13NE (NW)	0	4	506134 355990
7	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	F13SW (NW)	0	4	505899 355914
8	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 227.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	F13SW (NW)	0	4	505936 355690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	F13SW (NW)	0	4	505936 355688
10	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 190.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	F9NW (W)	0	4	505960 355501
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 171.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F13NE (N)	0	4	506242 356108
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 227.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F9NE (NW)	0	4	506208 355535
13	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 399.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F14SW (N)	0	4	506602 355976
14	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F10NW (N)	0	4	506423 355582
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 247.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F10NW (N)	7	4	506423 355582
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 234.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F10NW (N)	11	4	506424 355565
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 154.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F14SW (NE)	228	4	506646 355686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 277.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F14SW (N)	235	4	506613 355974
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 148.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F14SE (NE)	362	4	506770 355763
20	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 20.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F14SE (NE)	493	4	506882 355908
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 111.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F14SE (NE)	508	4	506911 355809
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 134.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F14SE (NE)	511	4	506902 355902
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F5NW (SW)	578	4	505836 354954
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F5NW (SW)	578	4	505836 354954
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 132.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F5NW (SW)	581	4	505806 354960
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 554.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F6NW (S)	597	4	506415 354911

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F5NW (SW)	603	4	505861 354924
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 85.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	F1NW (SW)	605	4	505664 354042
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F15SW (NE)	617	4	507017 355845
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1030.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F5NE (SW)	630	4	506163 354913
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F15SW (NE)	636	4	507032 355871
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 528.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F15SW (NE)	637	4	507033 355871
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 107.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F6NW (S)	672	4	506431 354910
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.3 Watercourse Level: Underground Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	F1NW (SW)	689	4	505672 354044
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 180.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F5NW (SW)	692	4	505913 354828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 765.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F6NW (S)	695	4	506522 354905
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 538.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Springwell Brook Catchment Name: Witham Primacy: 1	F1SE (S)	696	4	506077 353937
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 320.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F15SE (NE)	737	4	507522 355979
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 425.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F11NW (E)	798	4	507241 355465
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 490.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F6NW (S)	831	4	506460 354757
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 425.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F11SW (E)	887	4	507259 355284
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 177.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F11SW (E)	887	4	507259 355284
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 369.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F6NW (S)	888	4	506458 354699
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 408.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	F6NE (SE)	944	4	506886 354768

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	5	506459 355389
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	506459 355389

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	F10NW (NW)	0	1	506454 355395
45	**BGS Recorded Mineral Sites** Site Name: Rowston Top Stone Pit Location: Scopwick Heath, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134832 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Blisworth Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	F13SE (NW)	0	1	506051 355927
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F10SW (S)	6	1	506459 355000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10SW (S)	6	1	506459 355000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F13NW (NW)	0	1	505930 356272
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10NW (N)	0	1	506449 355444
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F14SE (NE)	0	1	506764 355886
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F2NE (S)	6	1	506848 354231
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F7NW (SE)	31	1	507186 354720
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F10SW (S)	6	1	506459 355000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10SW (S)	6	1	506597 354975
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F1NE (S)	29	1	506257 353971

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F14SE (NE)	0	1	506764 355886
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	F13NW (NW)	0	1	505930 356272
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	F10NW (N)	0	1	506449 355444
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F2NE (S)	6	1	506848 354231
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	F7NW (SE)	31	1	507186 354720
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	F9NW (W)	0	1	505925 355389
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	F10NW (N)	0	1	506459 355526
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	F9NW (W)	0	1	505925 355389
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	F10NW (N)	0	1	506459 355526

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	F10NW (NE)	0	3	506459 355389
47	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	F10NW (NE)	0	3	506459 355389

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

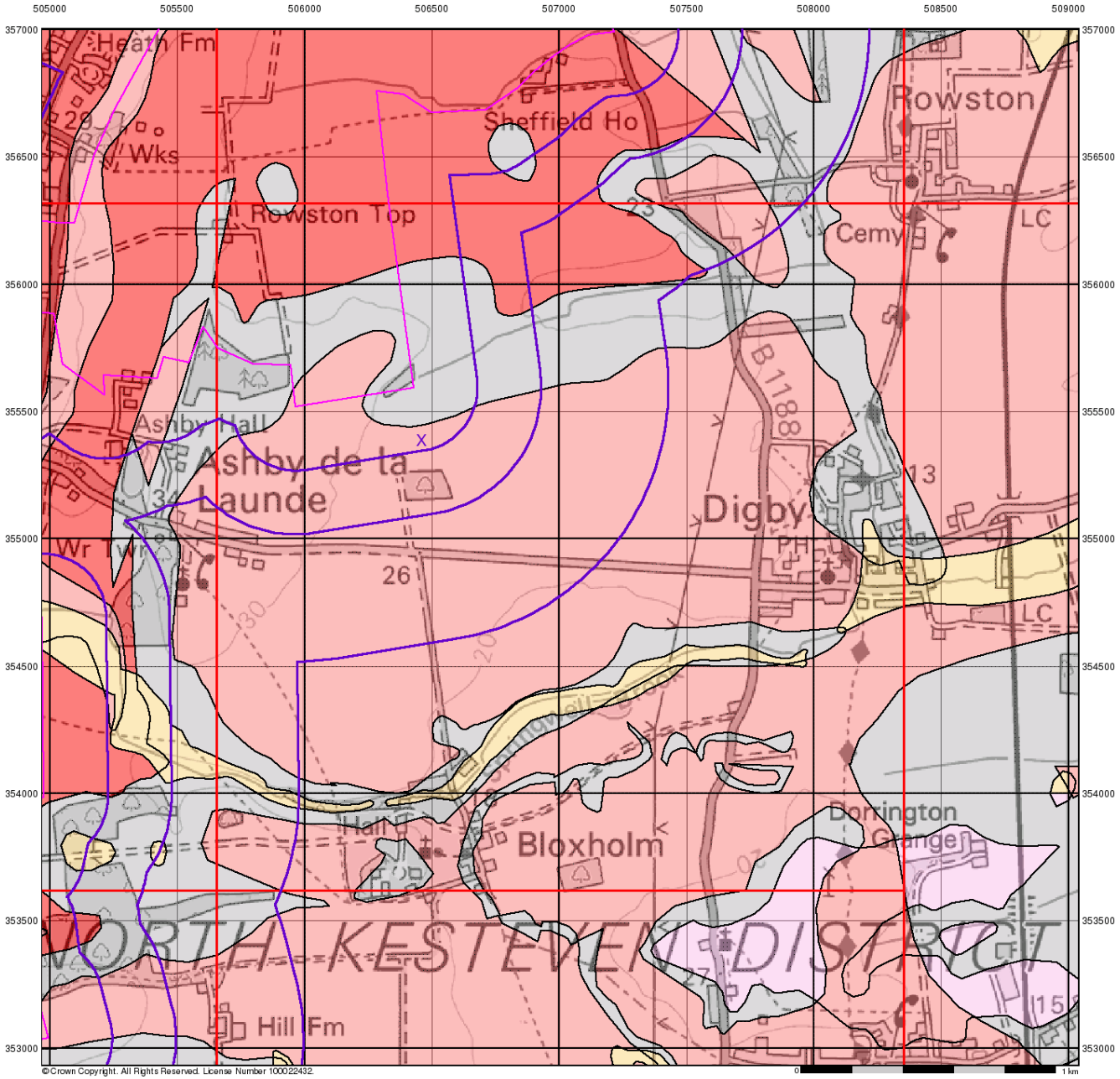
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



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Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

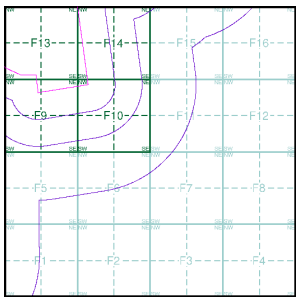
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice F



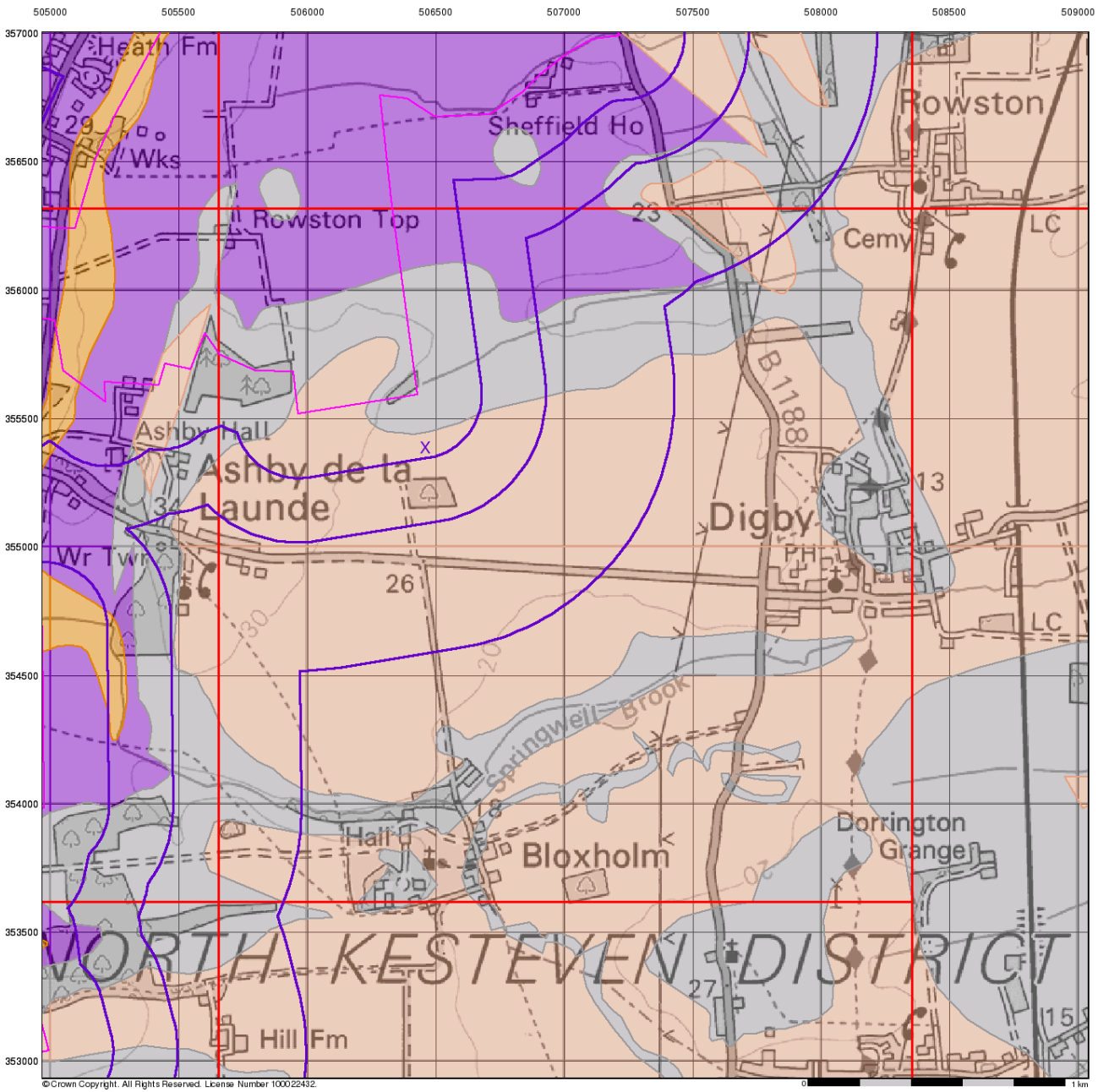
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

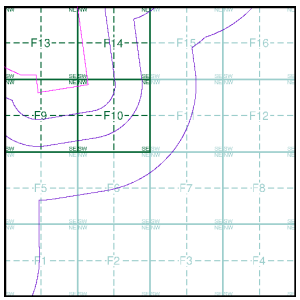
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice F



Order Details

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National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

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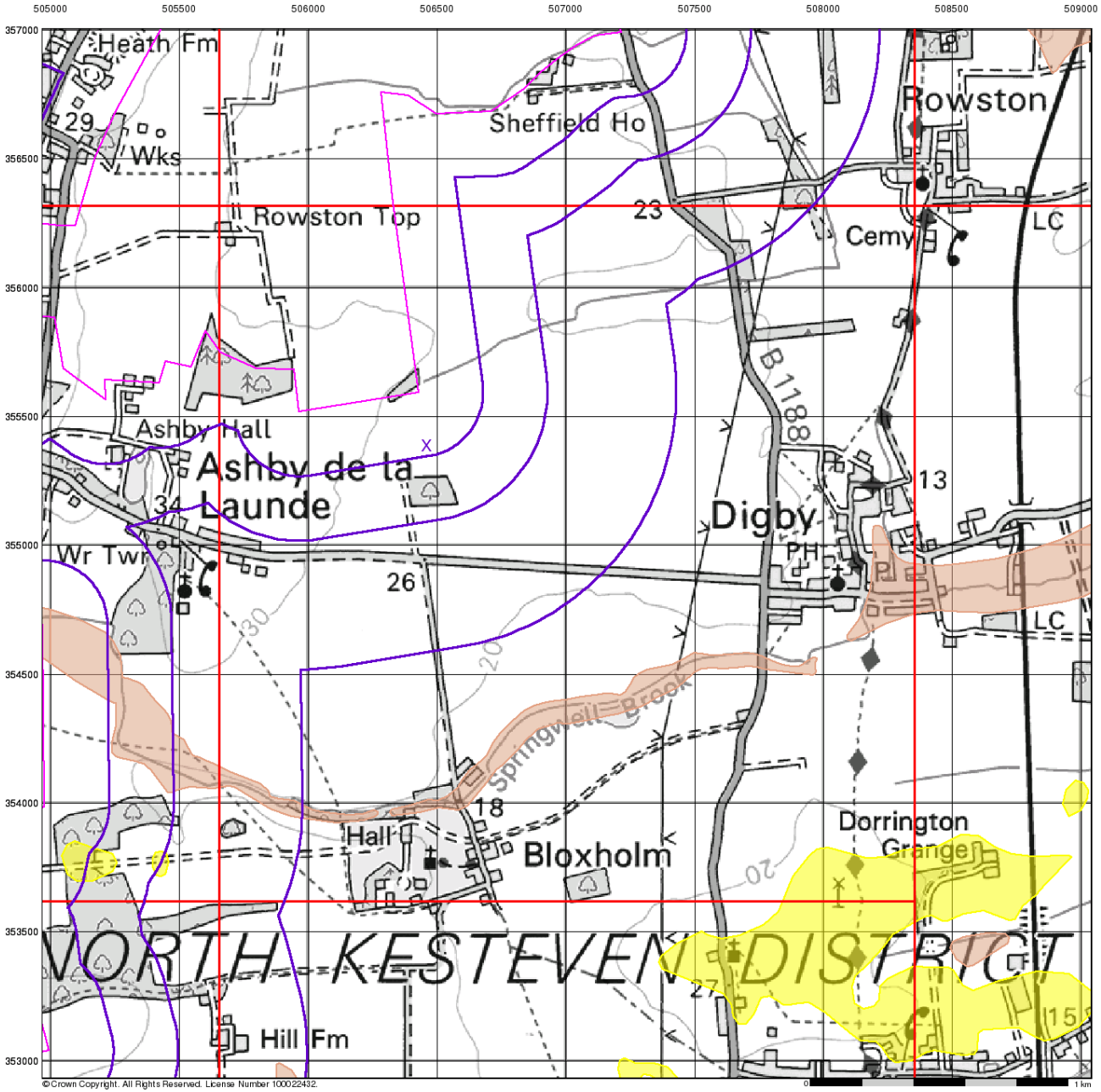


Superficial Aquifer Designation

General

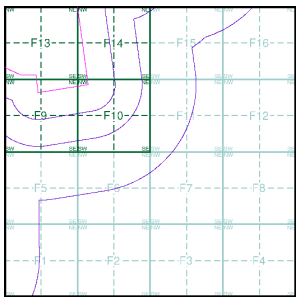
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice F



Order Details

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Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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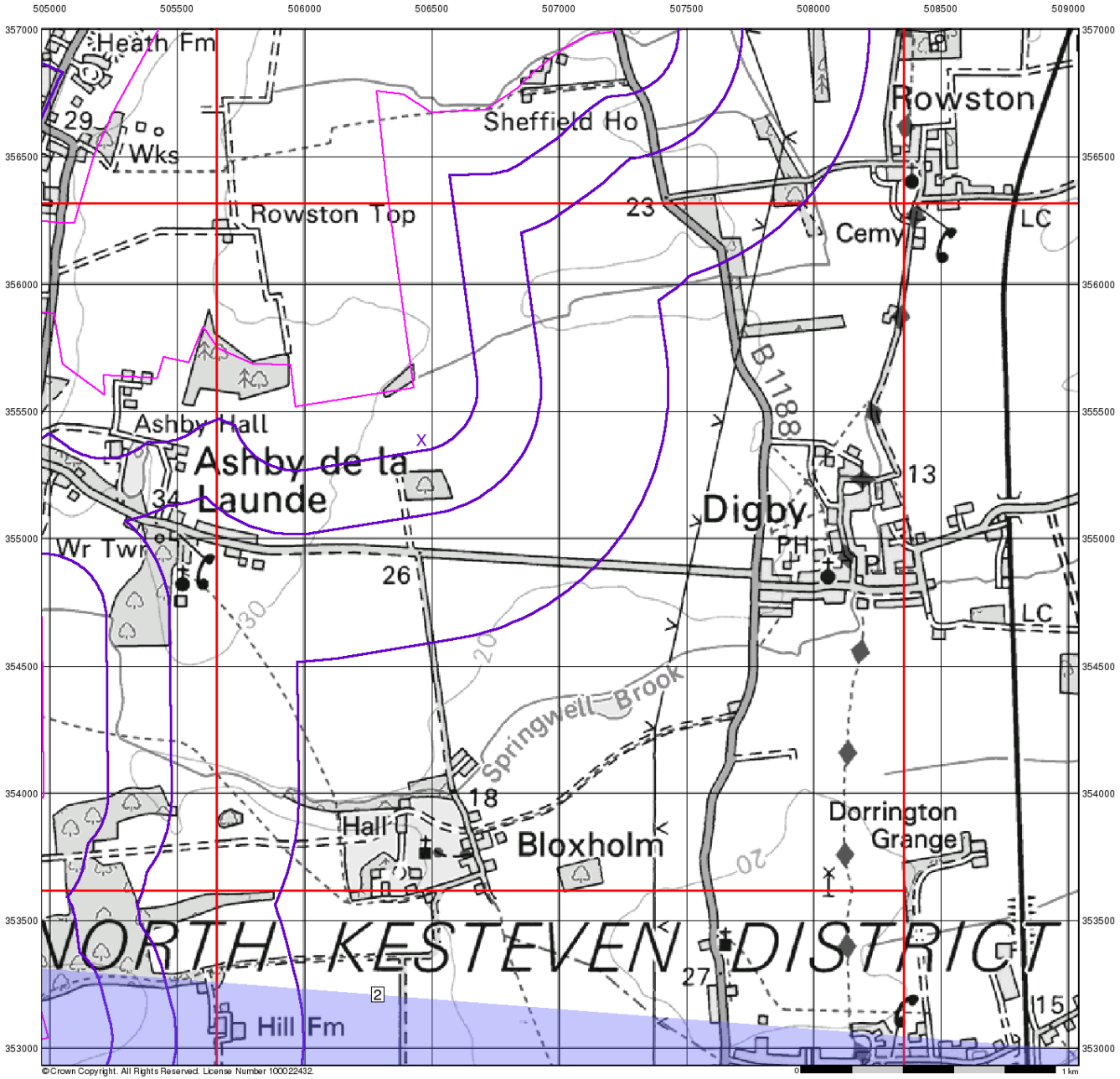


RSK

Source Protection Zones

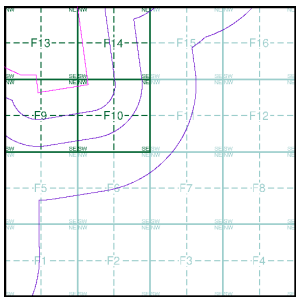
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice F



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Site Details

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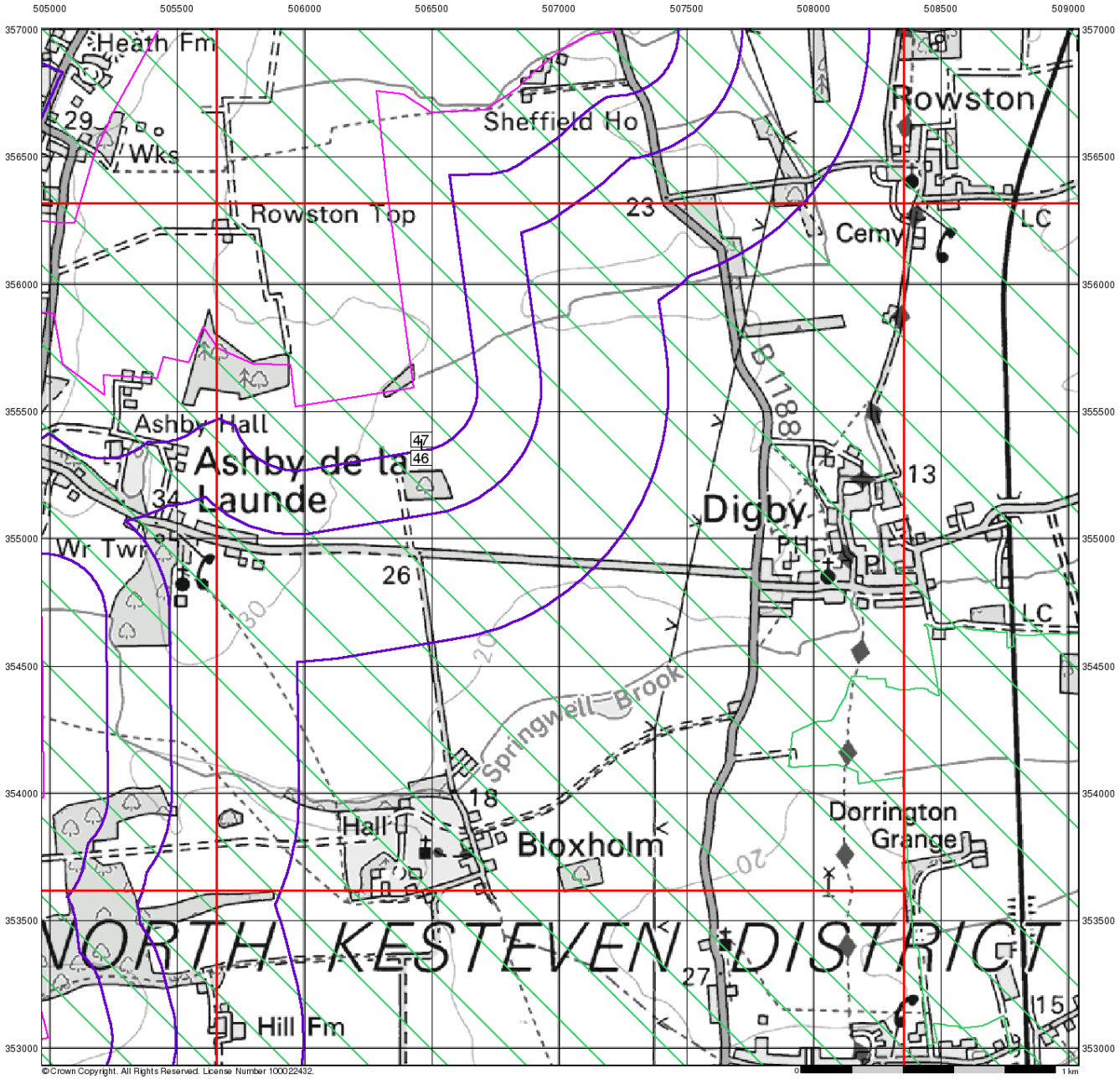

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Sensitive Land Uses

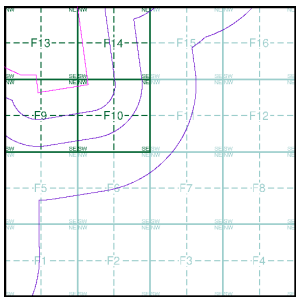
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice F



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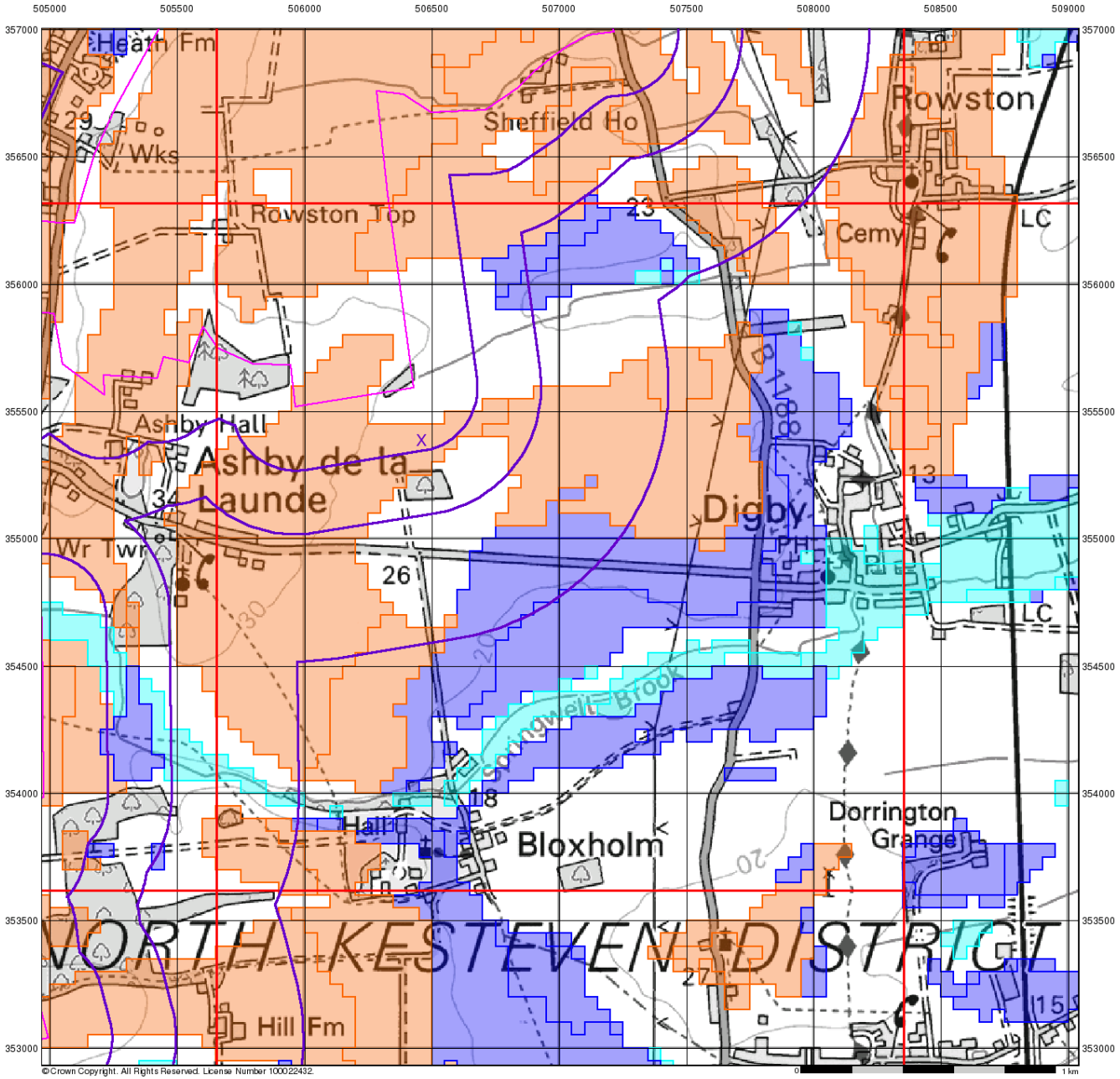
Search Buffer (m):	1000

Site Details

All Areas New



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BGS Flood GFS Data

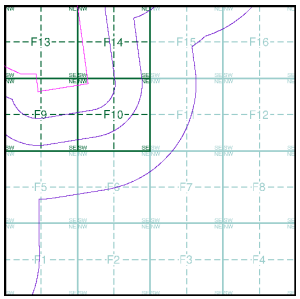
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice F



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National Grid Reference:	506460, 355390
Slice:	F
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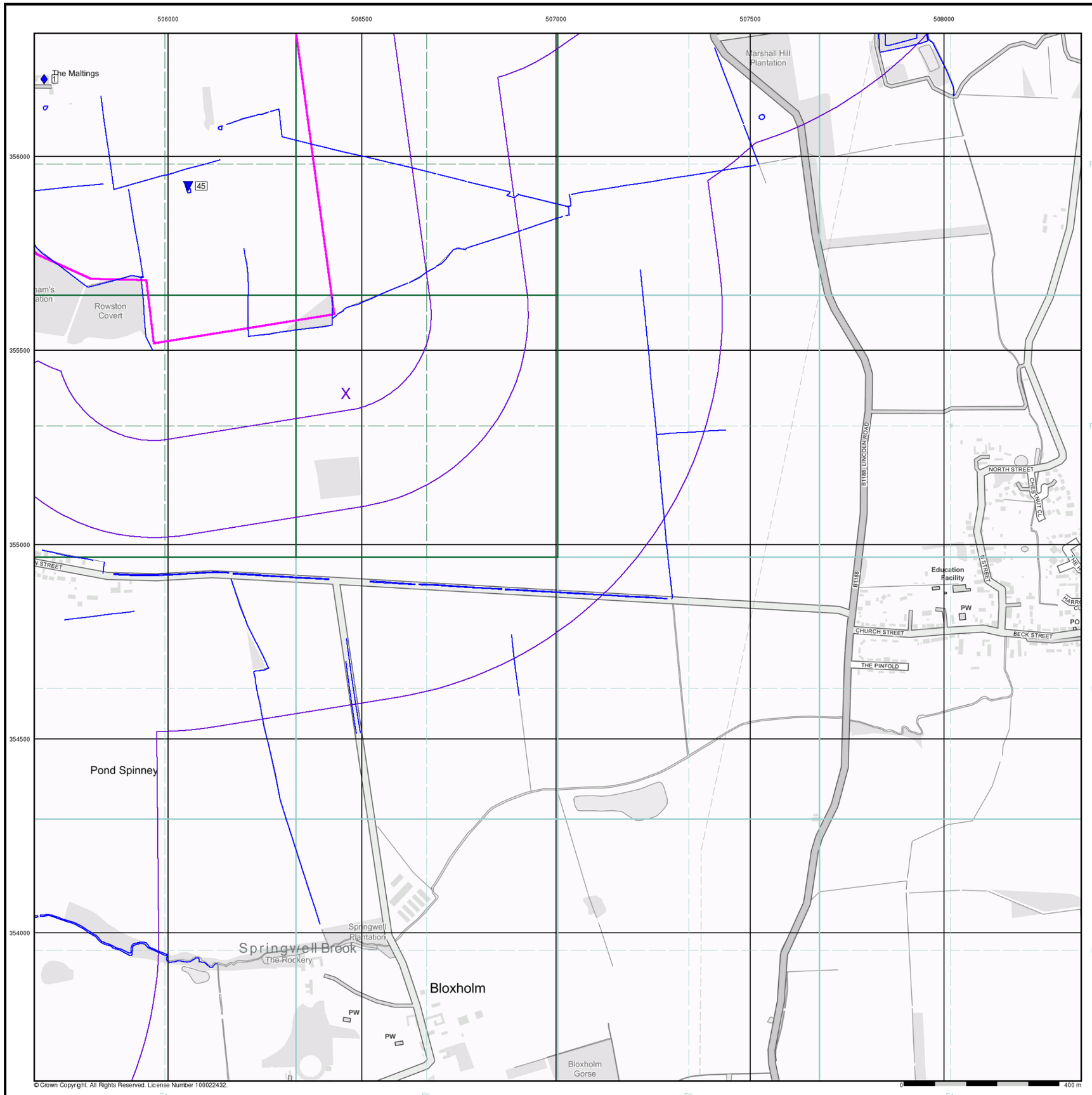
Search Buffer (m):	1000

Site Details

All Areas New



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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

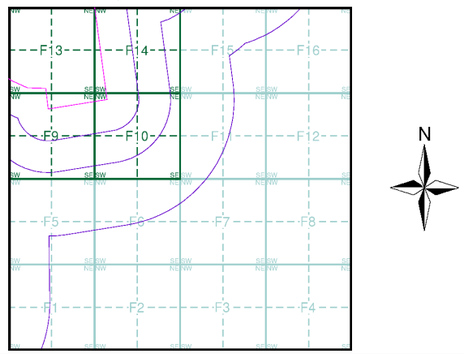
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice F



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Slice:	F
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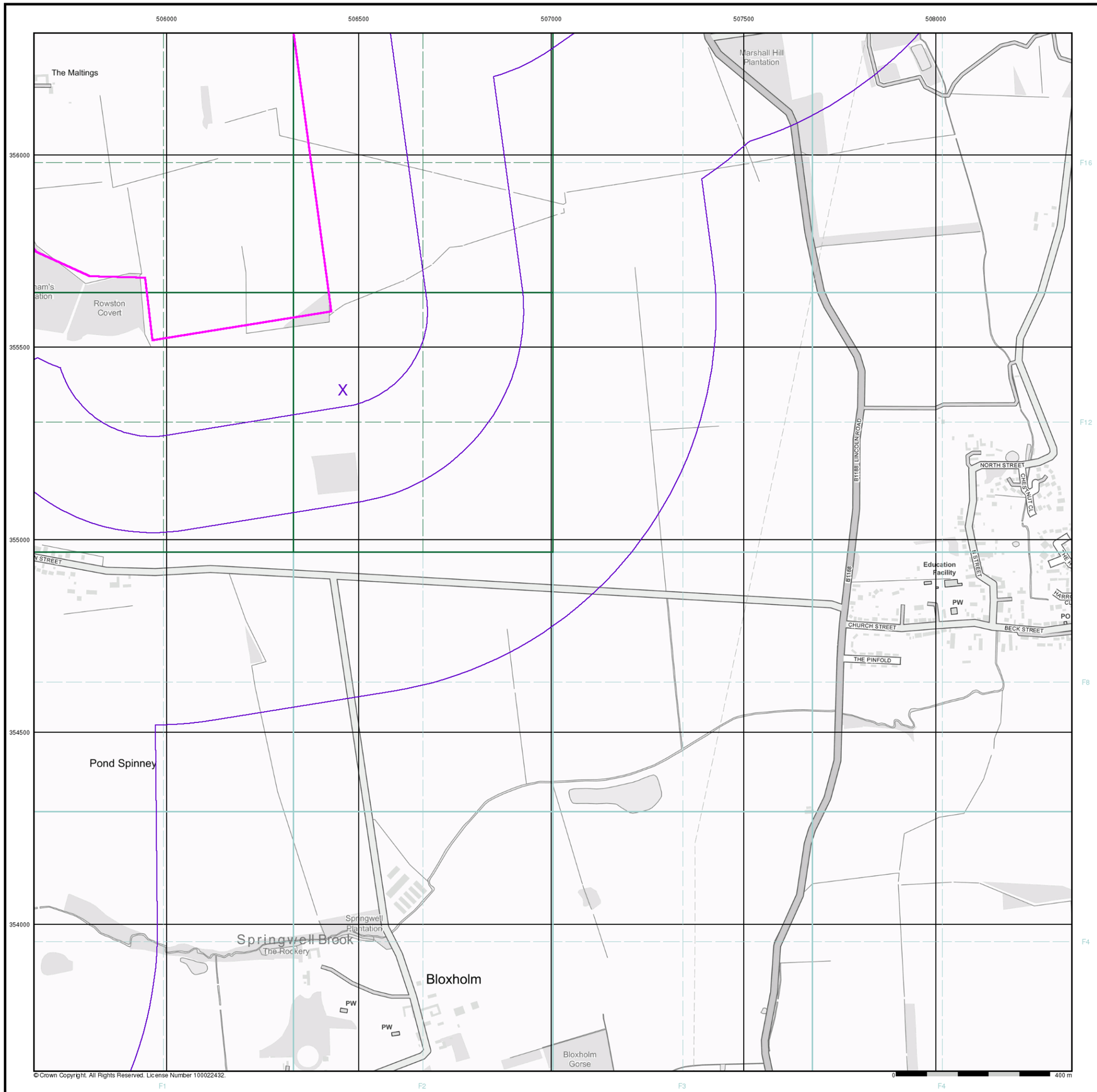

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Industrial Land Use Map

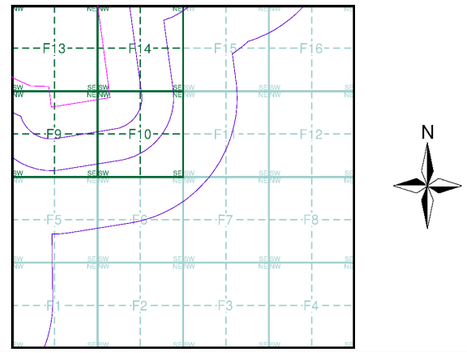
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice F



Order Details

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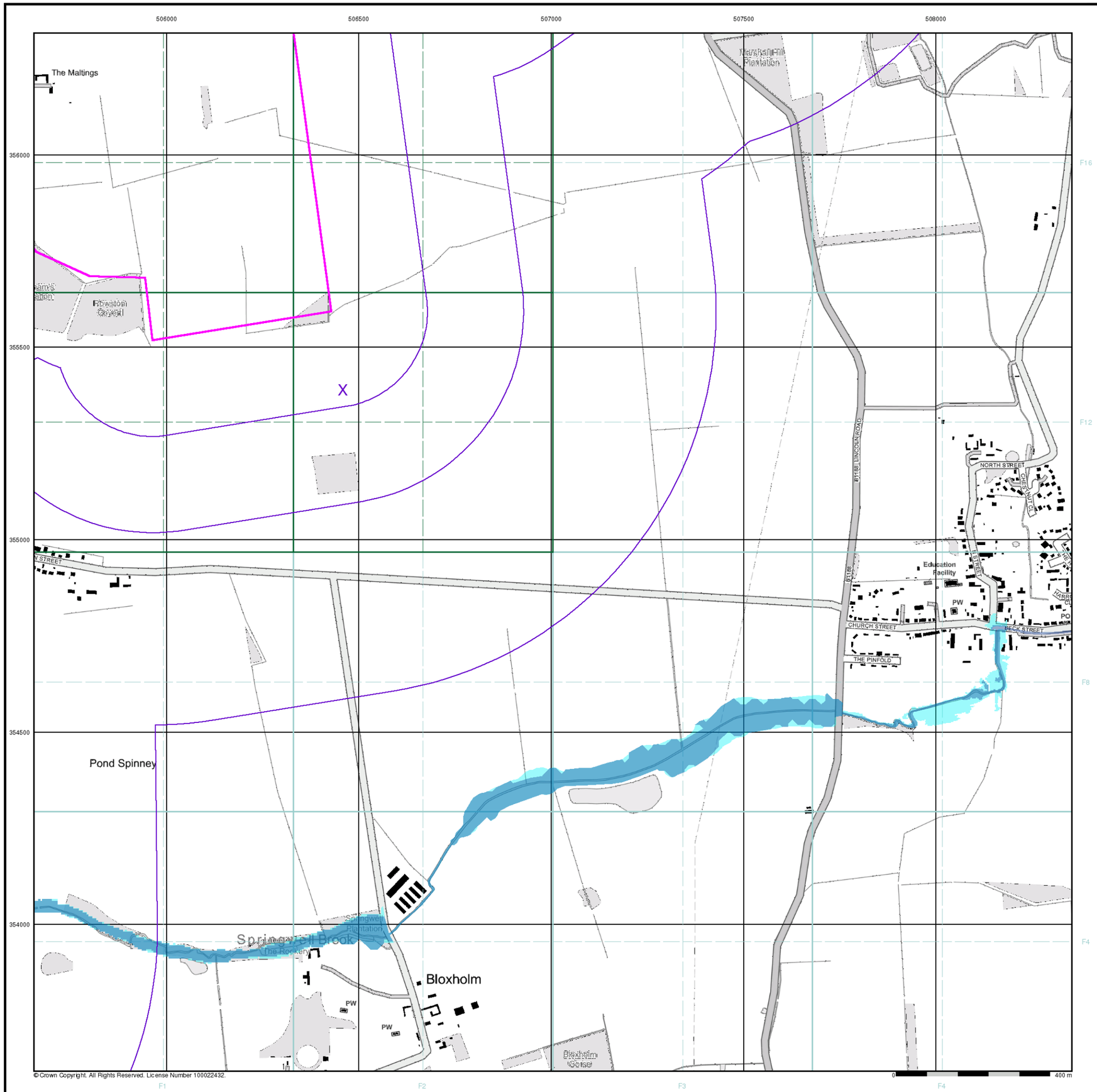

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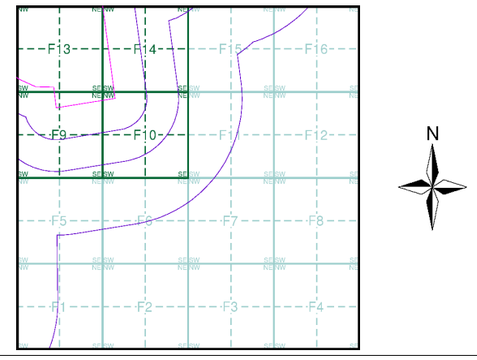
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice F



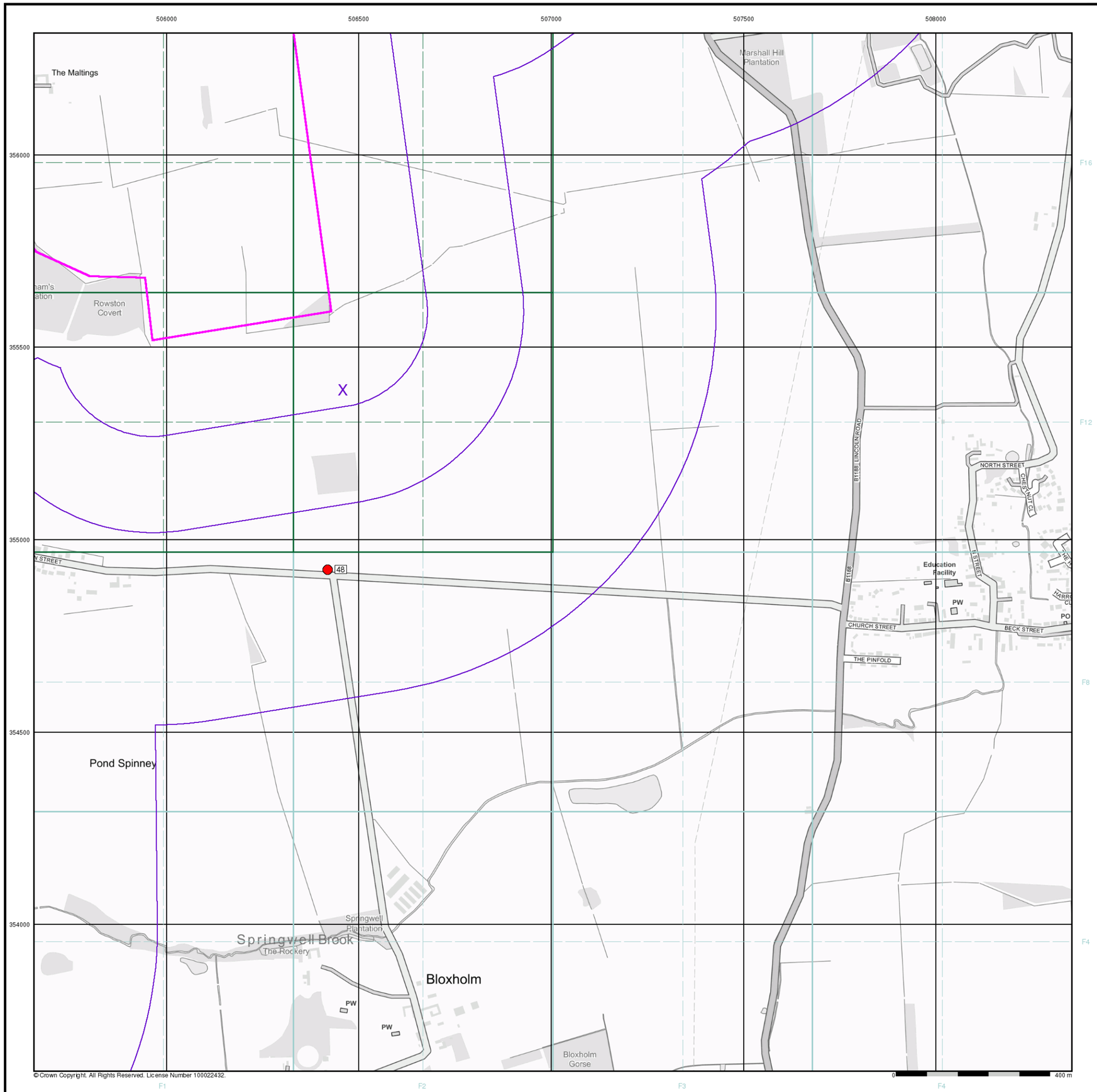
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Map ID
- Several of Type at Location

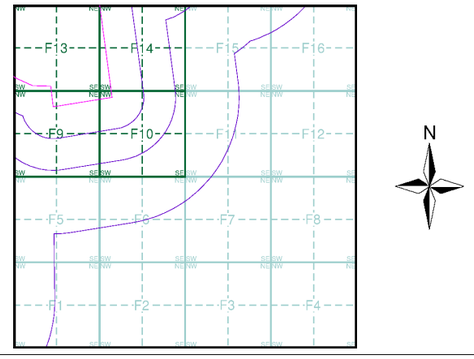
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice F



Order Details

Order Number:	303381609_1_1
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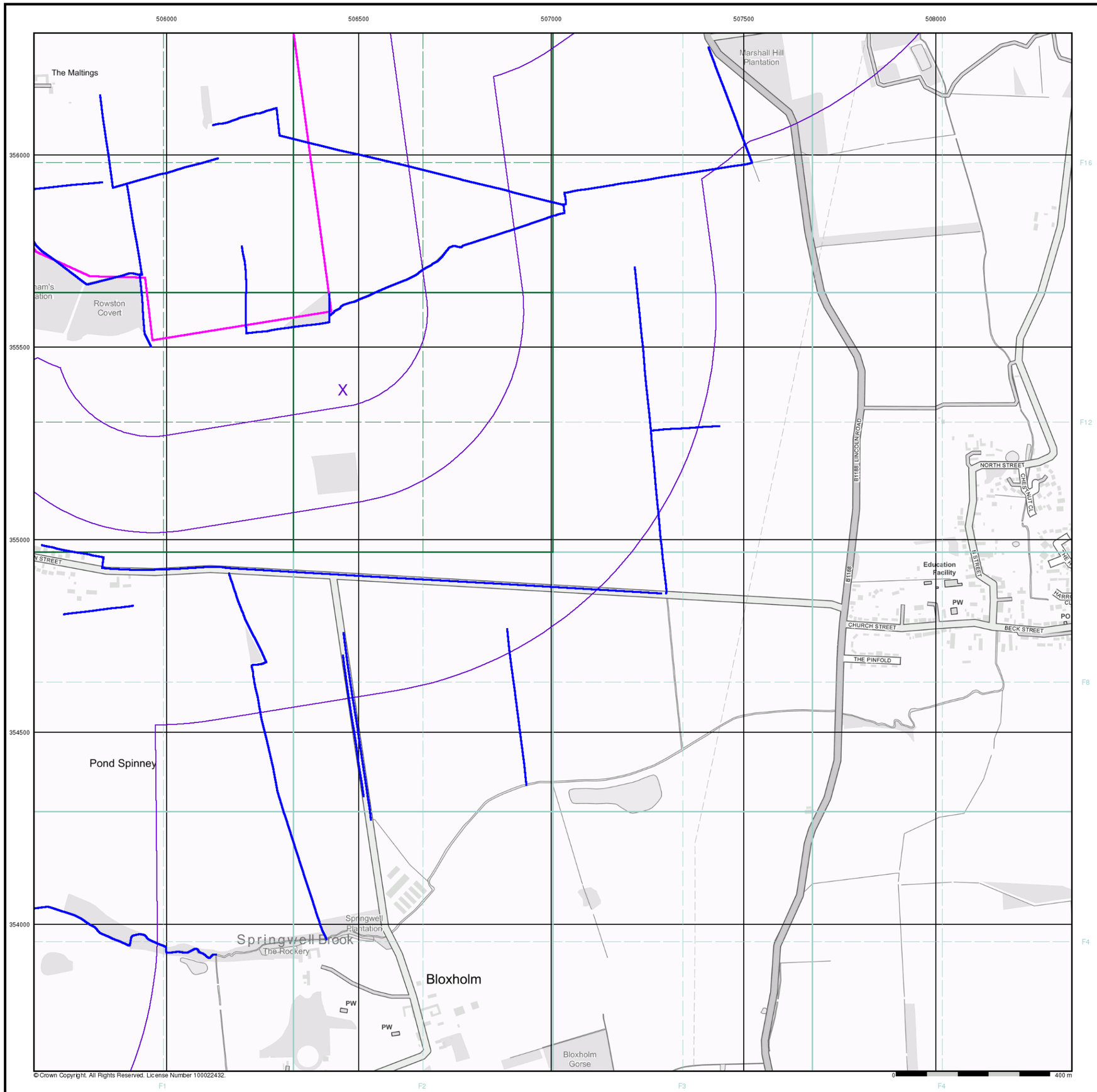
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New



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RSK

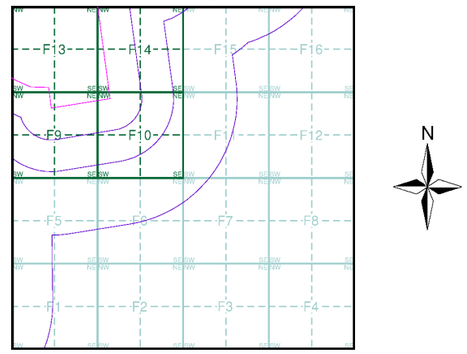
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice F



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
506460, 355390

Slice:
F

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	2
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	3
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	4
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	8
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1	1			
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2	2	2	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 3	1			
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 3	1			
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

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LANDMARK INFORMATION GROUP®

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Rowston Top Stone Pit Location: Scopwick Heath, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134832 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Blisworth Clay Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	F13SE (NW)	0	1	506051 355927
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	F13NE (NW)	0	-	506133 356067
3	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	F13SE (NW)	0	-	506054 355908
4	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	F9NE (NW)	35	-	506321 355533
5	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	F10NW (N)	37	-	506417 355555

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	F13SE (NW)	0	-	506061 355909
7	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	F13SE (NW)	0	-	506061 355909

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
8	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355389
9	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
10	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355000
11	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F10SW (S)	6	1	506459 355000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355389
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10SW (S)	6	1	506459 355000
12	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	505000 356579
13	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F14SE (NE)	0	1	506764 355886
14	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	504988 355576
15	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355685
16	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
17	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	505000 353227
18	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	505000 354506
19	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F2NE (S)	6	1	506848 354231
20	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	24	1	505253 354388
21	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(SW)	71	1	505246 354626
22	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	133	1	505226 355000

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	135	1	505196 353518
24	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	195	1	505000 355000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 354884
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	505000 353965
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	505000 353369
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F13NW (NW)	0	1	505930 356272
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(E)	0	1	508560 355322
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10NW (N)	0	1	506449 355444
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	505244 355934
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	29	1	505195 354661
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F7NW (SE)	31	1	507186 354720
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	43	1	505908 352958
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	49	1	505000 355389
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(N)	82	1	506829 356410
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NE)	139	1	507539 356736
25	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(NW)	0	1	505412 356936
26	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355389
27	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
28	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355000
29	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F10SW (S)	6	1	506459 355000
30	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(SW)	222	1	505205 353280

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	505000 354749
32	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(E)	0	1	508560 355322
33	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	F1NE (S)	29	1	506257 353971
34	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	139	1	507539 356736
35	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	151	1	505242 353800
36	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	232	1	507228 353008
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355389
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10SW (S)	6	1	506597 354975
37	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	F13NW (NW)	0	1	505930 356272
38	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	F10NW (N)	0	1	506449 355444
39	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	505000 353965
40	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	505000 353369
41	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(E)	0	1	508560 355322
42	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	F7NW (SE)	31	1	507186 354720
43	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(S)	43	1	505908 352958
44	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(N)	82	1	506829 356410
45	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NE)	139	1	507539 356736
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	505000 353227
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F14SE (NE)	0	1	506764 355886

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 355389
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F10NW (NE)	0	1	506459 355389
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	F2NE (S)	6	1	506848 354231
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	24	1	505226 355000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	135	1	505196 353518

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0554	1979
Ordnance Survey Plan	TF0555	1979
Ordnance Survey Plan	TF0555	1979
Ordnance Survey Plan	TF0556	1979
Ordnance Survey Plan	TF0654	1979
Ordnance Survey Plan	TF0654	1979
Ordnance Survey Plan	TF0655	1979
Ordnance Survey Plan	TF0655	1979
Ordnance Survey Plan	TF0655	1979
Ordnance Survey Plan	TF0655	1979
Ordnance Survey Plan	TF0656	1979
Ordnance Survey Plan	TF0656	1979
Ordnance Survey Plan	TF0754	1979
Ordnance Survey Plan	TF0755	1979
Ordnance Survey Plan	TF0755	1979
Ordnance Survey Plan	TF0756	1979

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	087_SE	1891
Lincolnshire	087_SW	1891
Lincolnshire	097_NE	1891
Lincolnshire	097_NW	1891
Lincolnshire	087_SE	1906
Lincolnshire	087_SW	1906
Lincolnshire	097_NE	1906
Lincolnshire	097_NW	1906
Lincolnshire	087_SE	1947
Lincolnshire	097_NE	1947
Lincolnshire	097_NW	1950
Lincolnshire	087_SW	1951
Ordnance Survey Plan	TF05NE	1956
Ordnance Survey Plan	TF05SE	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF05NE	1985
Ordnance Survey Plan	TF05SE	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆	─	▨
Disturbed Ground	◆	─	▨
General Quarrying	◆	─	▨
Heap, unknown constituents	◆	─	▨
Mineral Railway	◆	─	▨
Mining and Quarrying General	◆	─	▨
Mining of Coal & Lignite	◆	─	▨
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆	─	▨

Historical Land Use

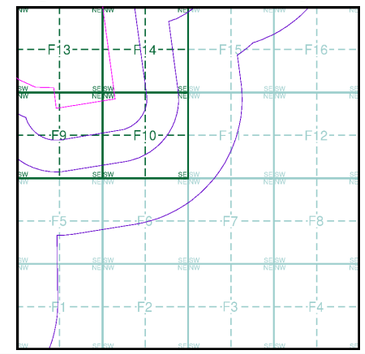
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●	- - -	▭
Potentially Infilled Land (Water)	●	- - -	▭
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice F



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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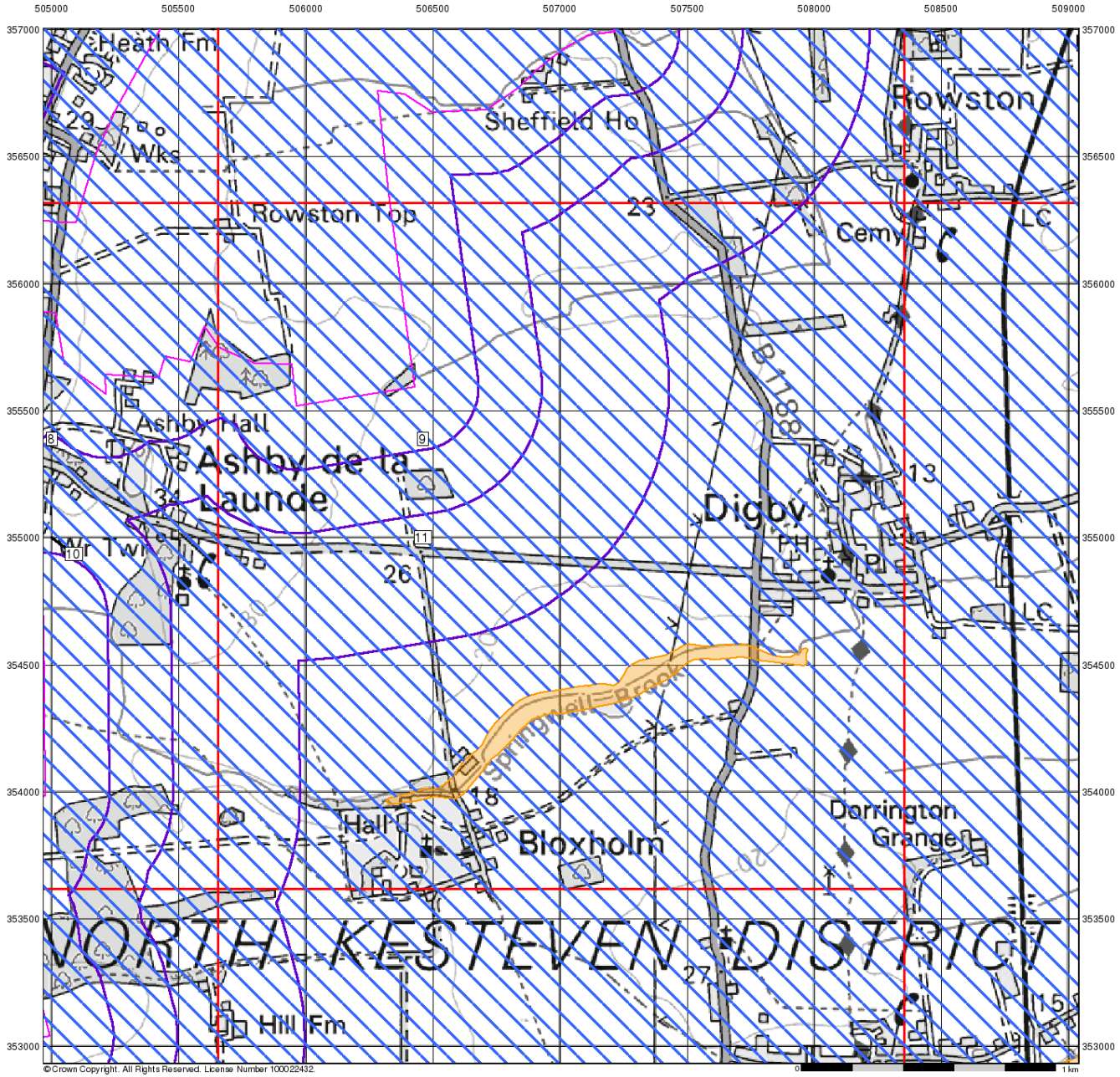

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

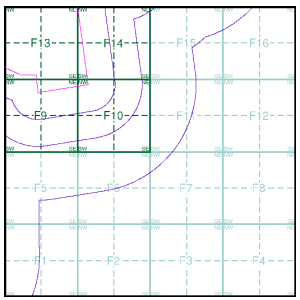
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice F



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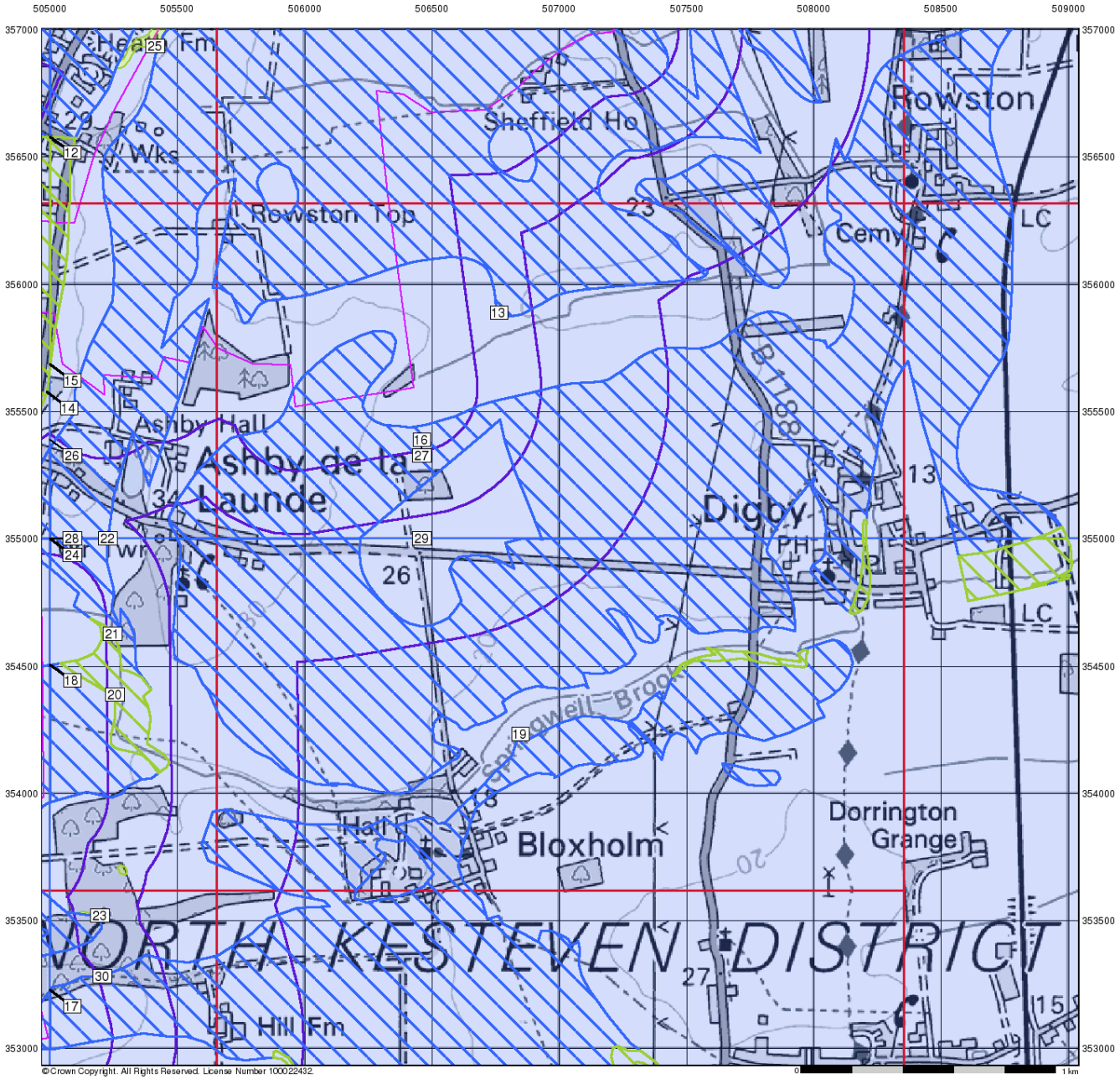

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

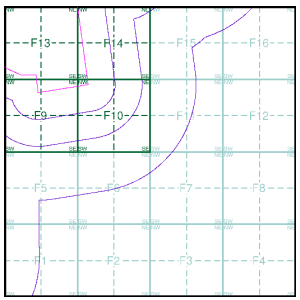
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice F



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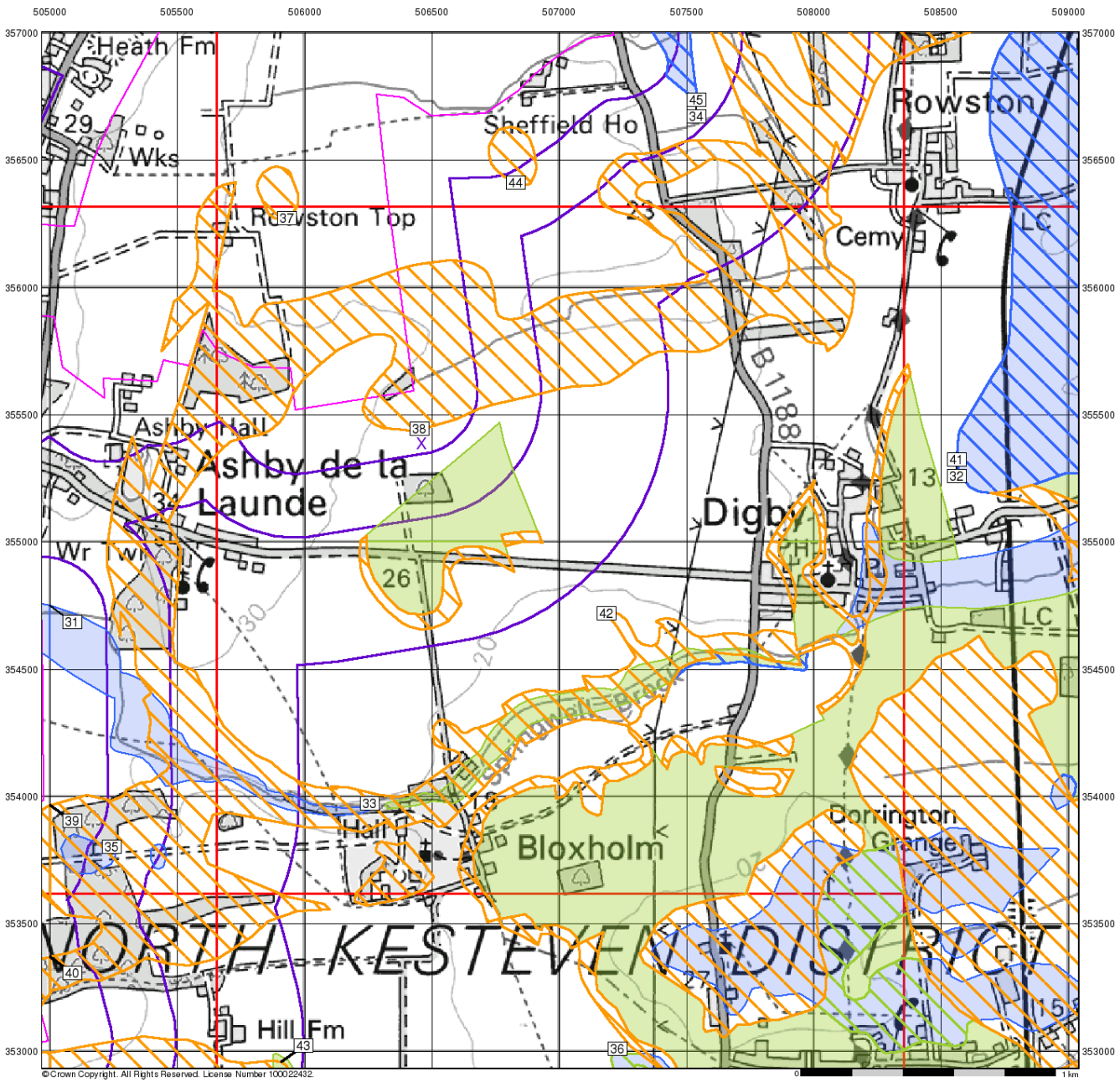

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

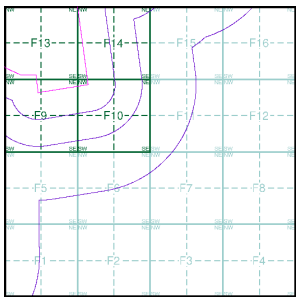
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice F



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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Standard Gauge Single Track
Road Under
Road Over
Level Crossing
Foot Bridge
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

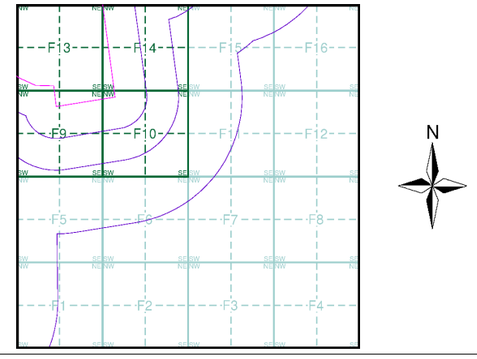
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1947 - 1951	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1985	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice F



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506460, 355390
Slice: F
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

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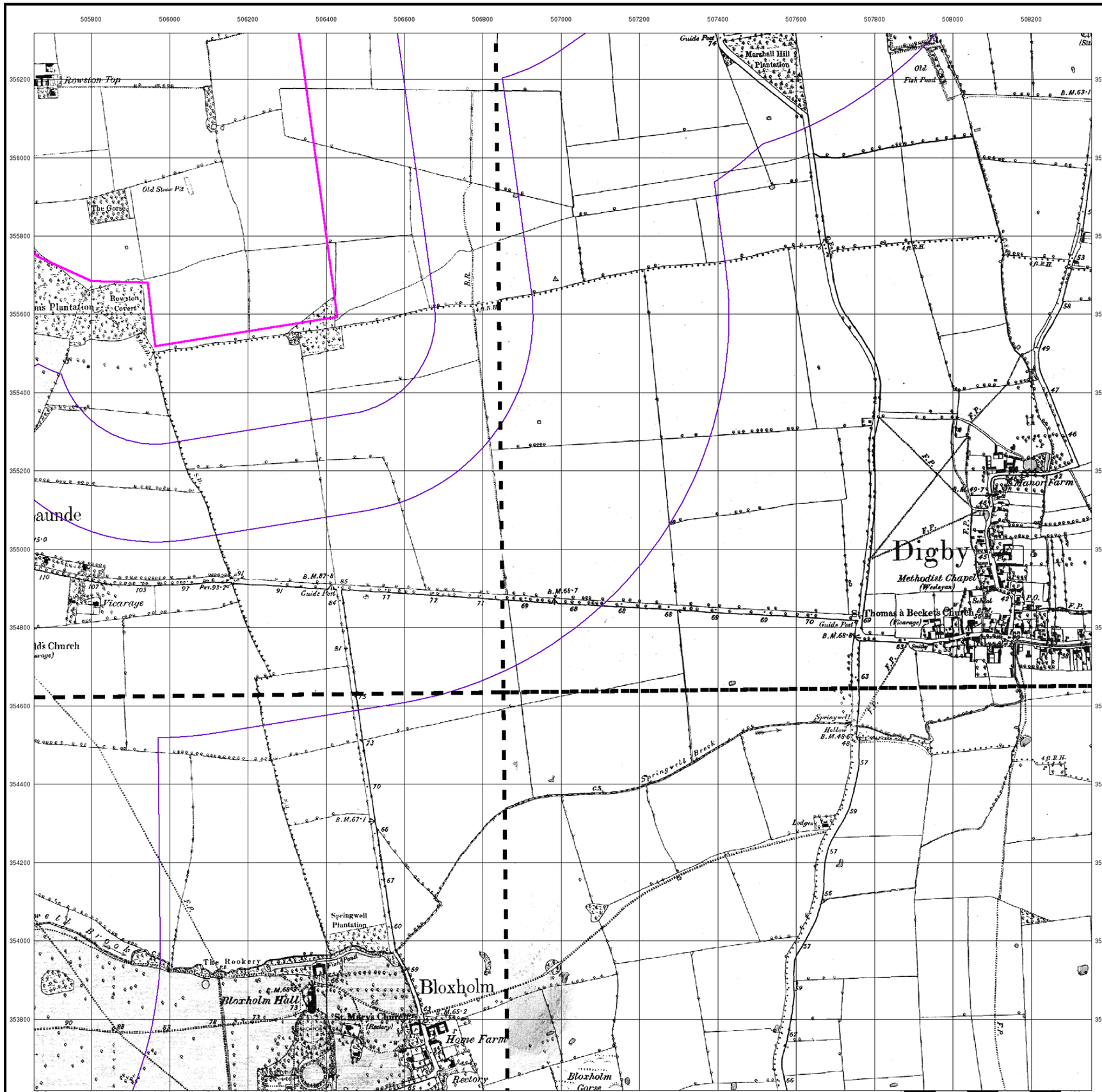
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1887

Source map scale - 1:10,560

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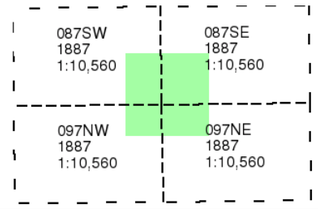
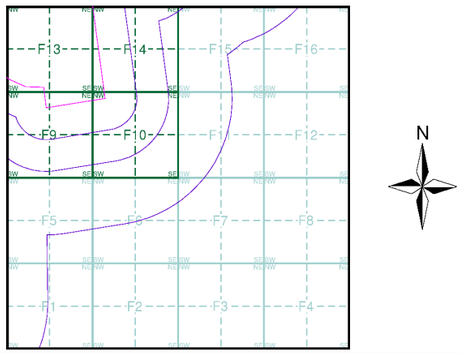
Map Name(s) and Date(s)



Historical Map - Slice F



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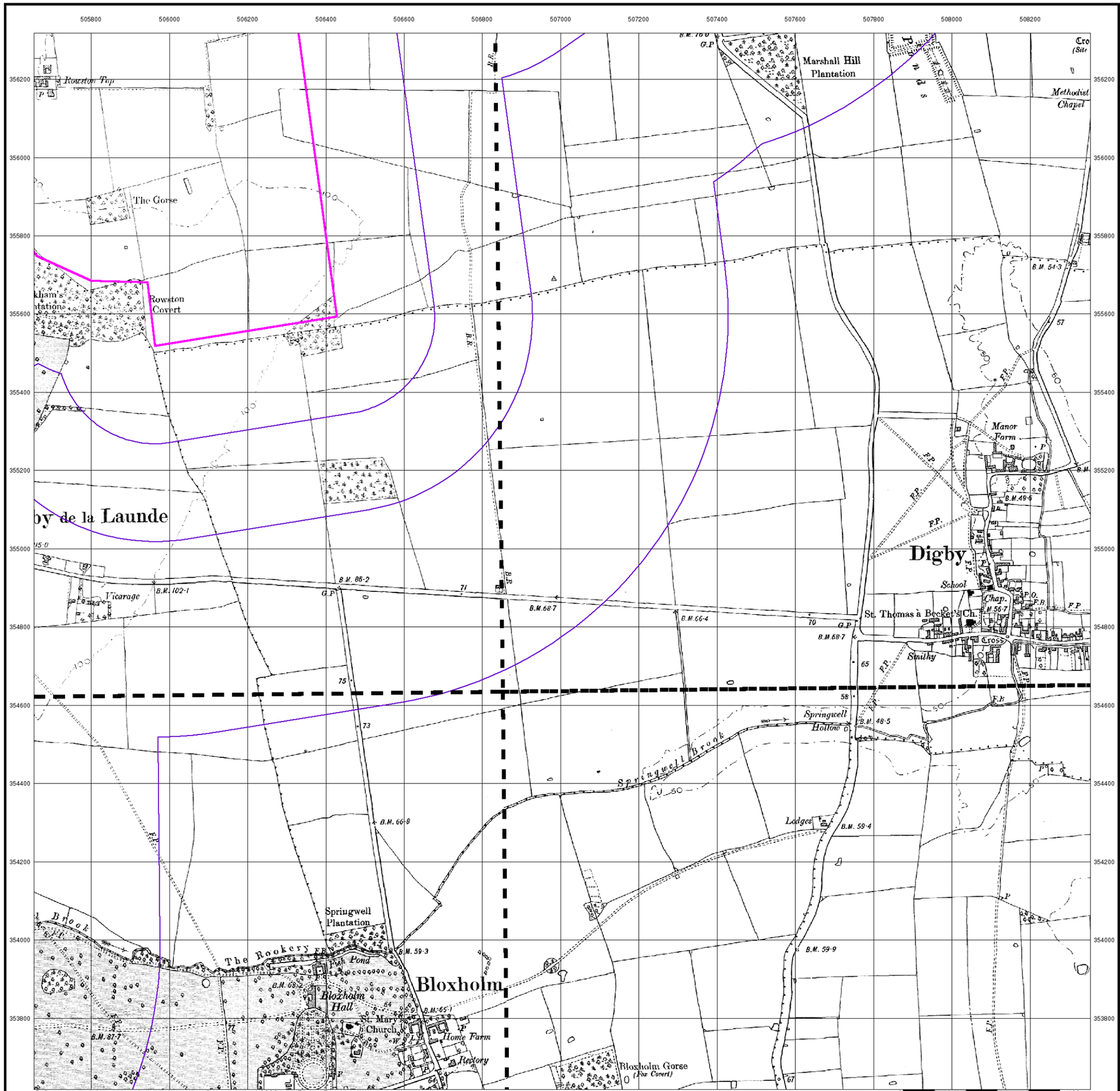

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Lincolnshire

Published 1906

Source map scale - 1:10,560

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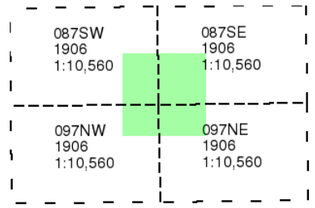
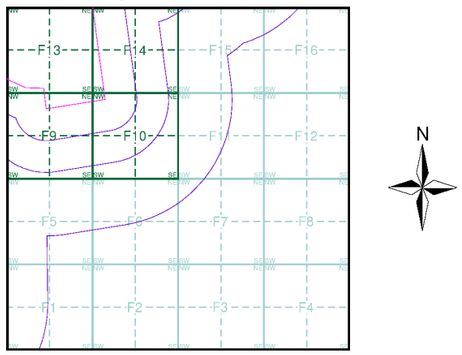


Historical Map - Slice F



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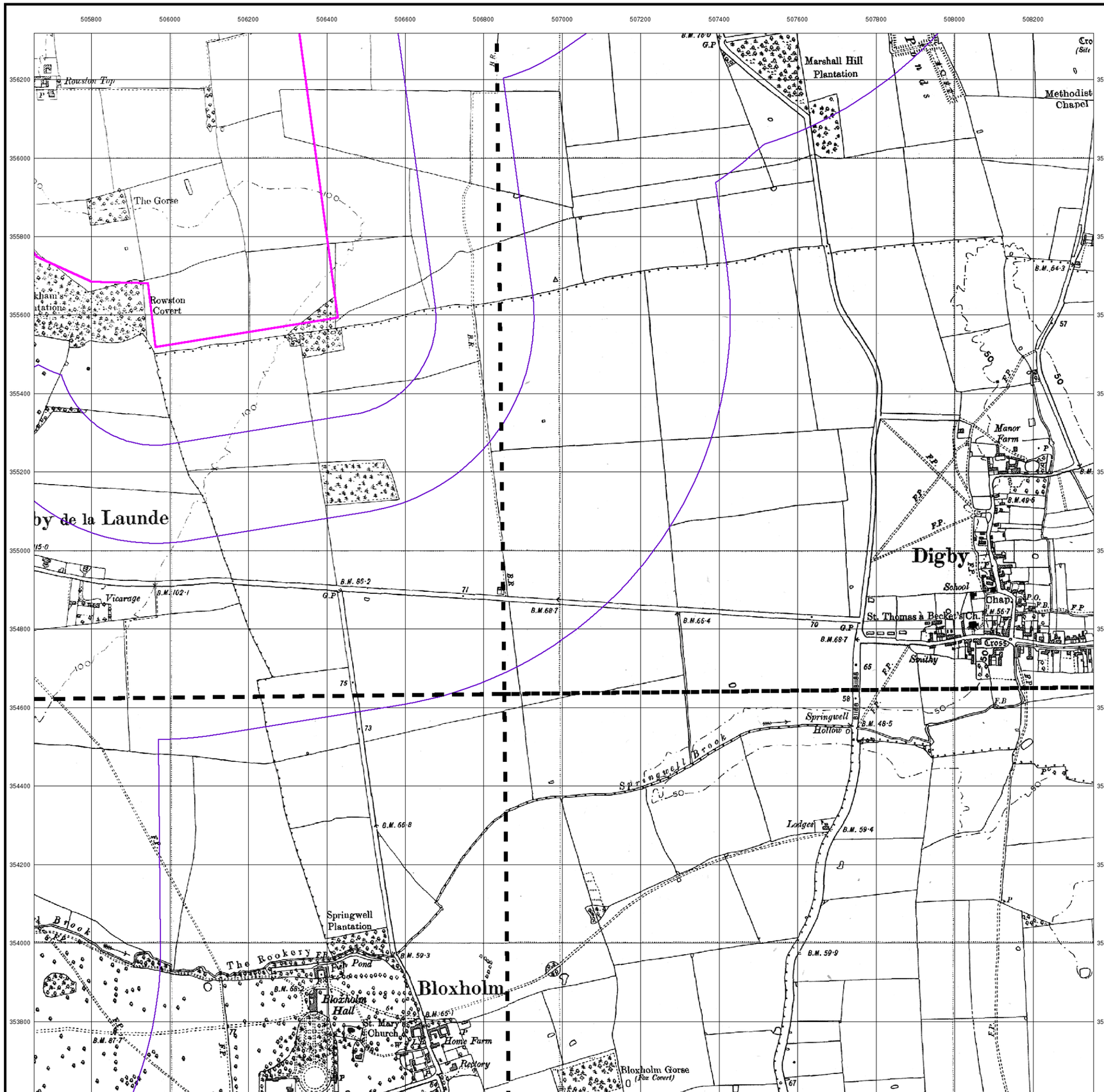

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Lincolnshire

Published 1947 - 1951

Source map scale - 1:10,560

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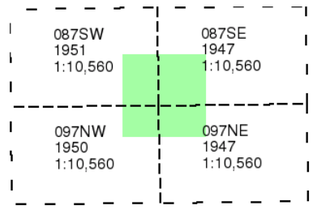
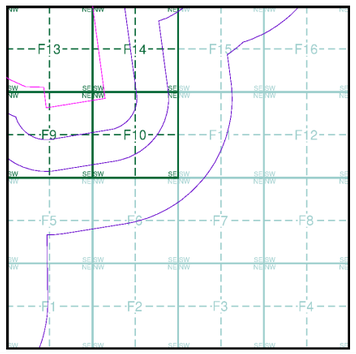


Historical Map - Slice F



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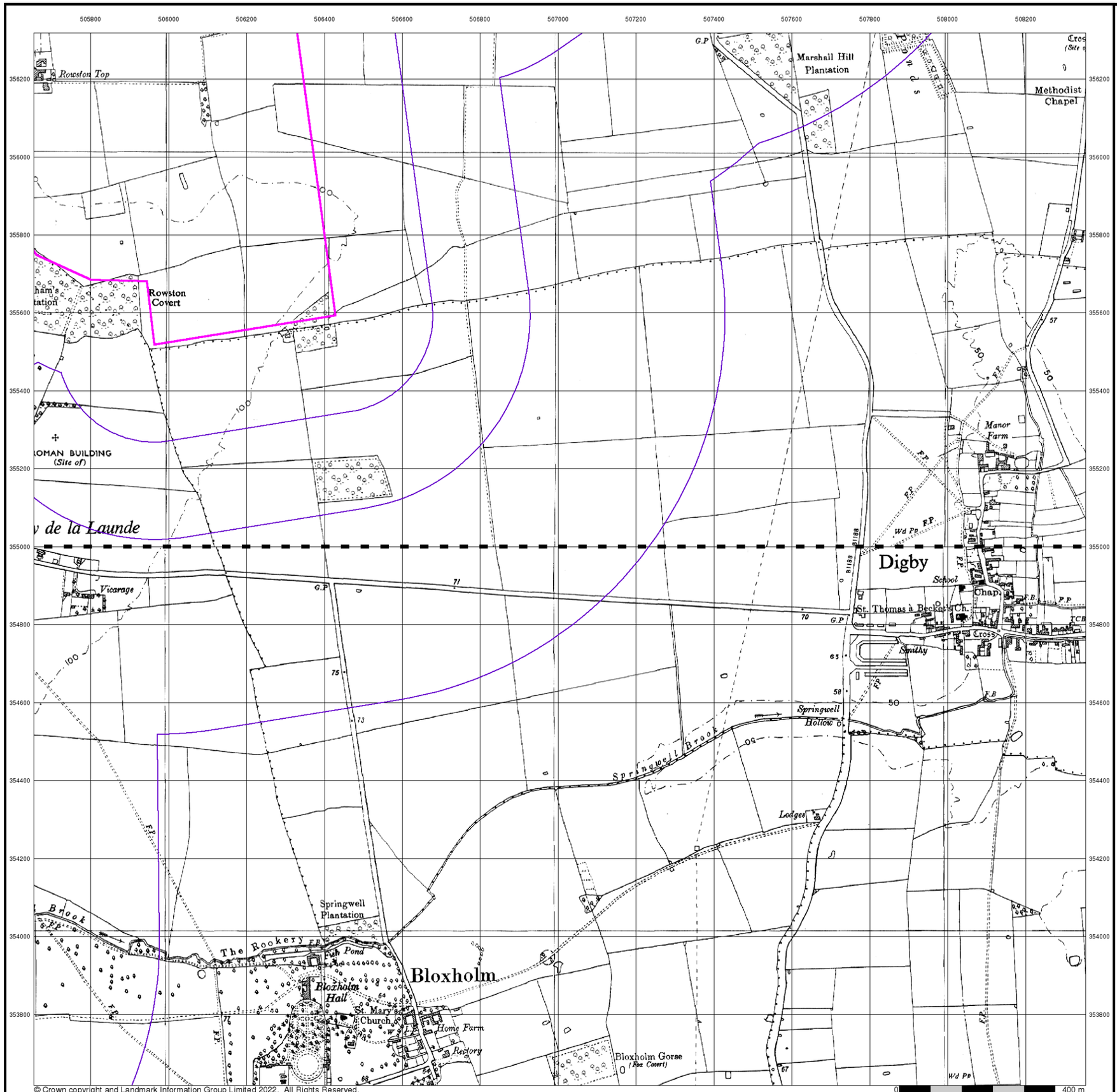

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Ordnance Survey Plan

Published 1956

Source map scale - 1:10,000

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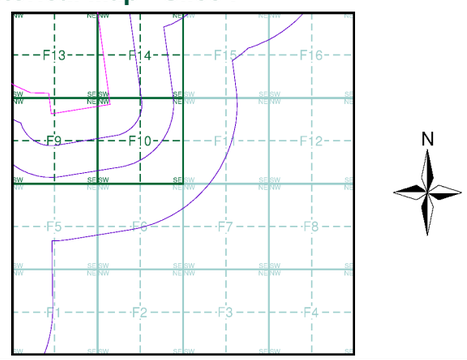
Map Name(s) and Date(s)

TF05NE
1956
1:10,560

TF05SE
1956
1:10,560

Historical Map - Slice F



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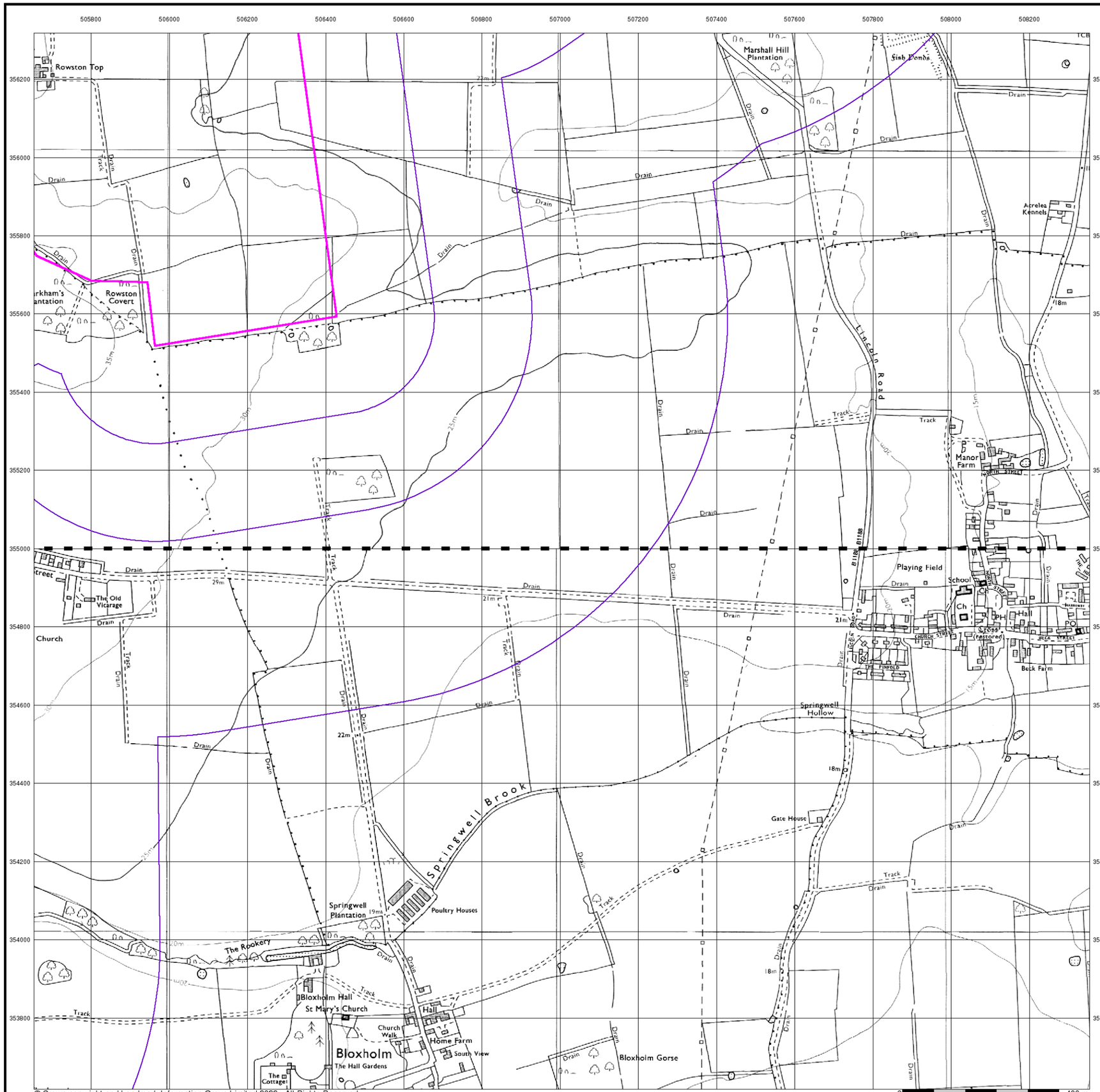

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Ordnance Survey Plan

Published 1985

Source map scale - 1:10,000

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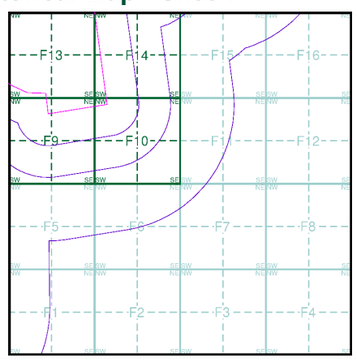
Map Name(s) and Date(s)

TF05NE
1985
1:10,000

TF05SE
1985
1:10,000

Historical Map - Slice F



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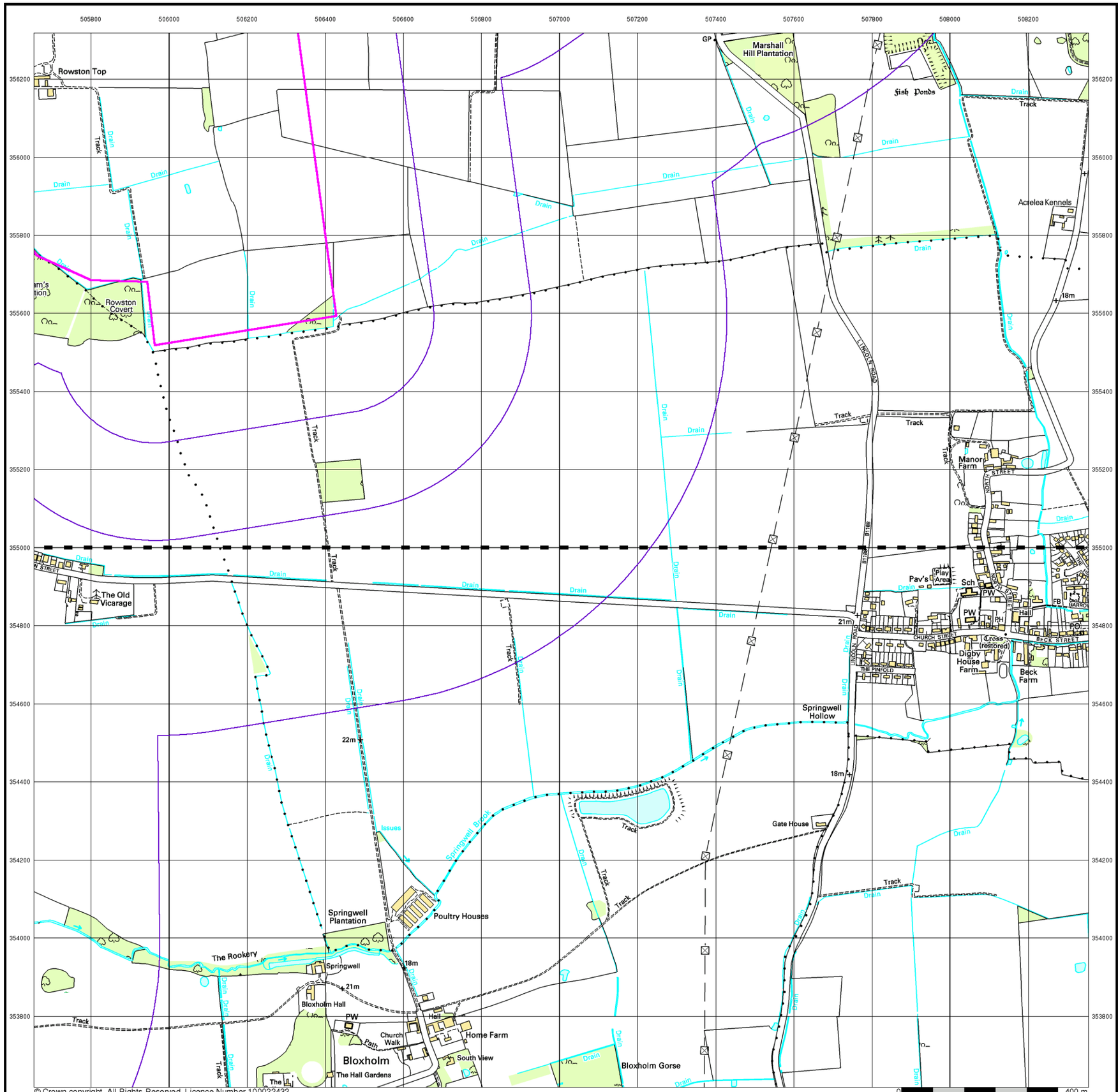
Web: www.envirocheck.co.uk



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RSK

10k Raster Mapping

Published 2000

Source map scale - 1:10,000

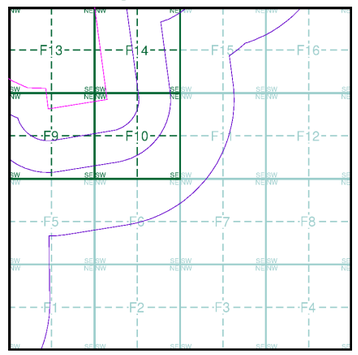
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TF05NE
2000
1:10,000

TF05SE
2000
1:10,000

Historical Map - Slice F



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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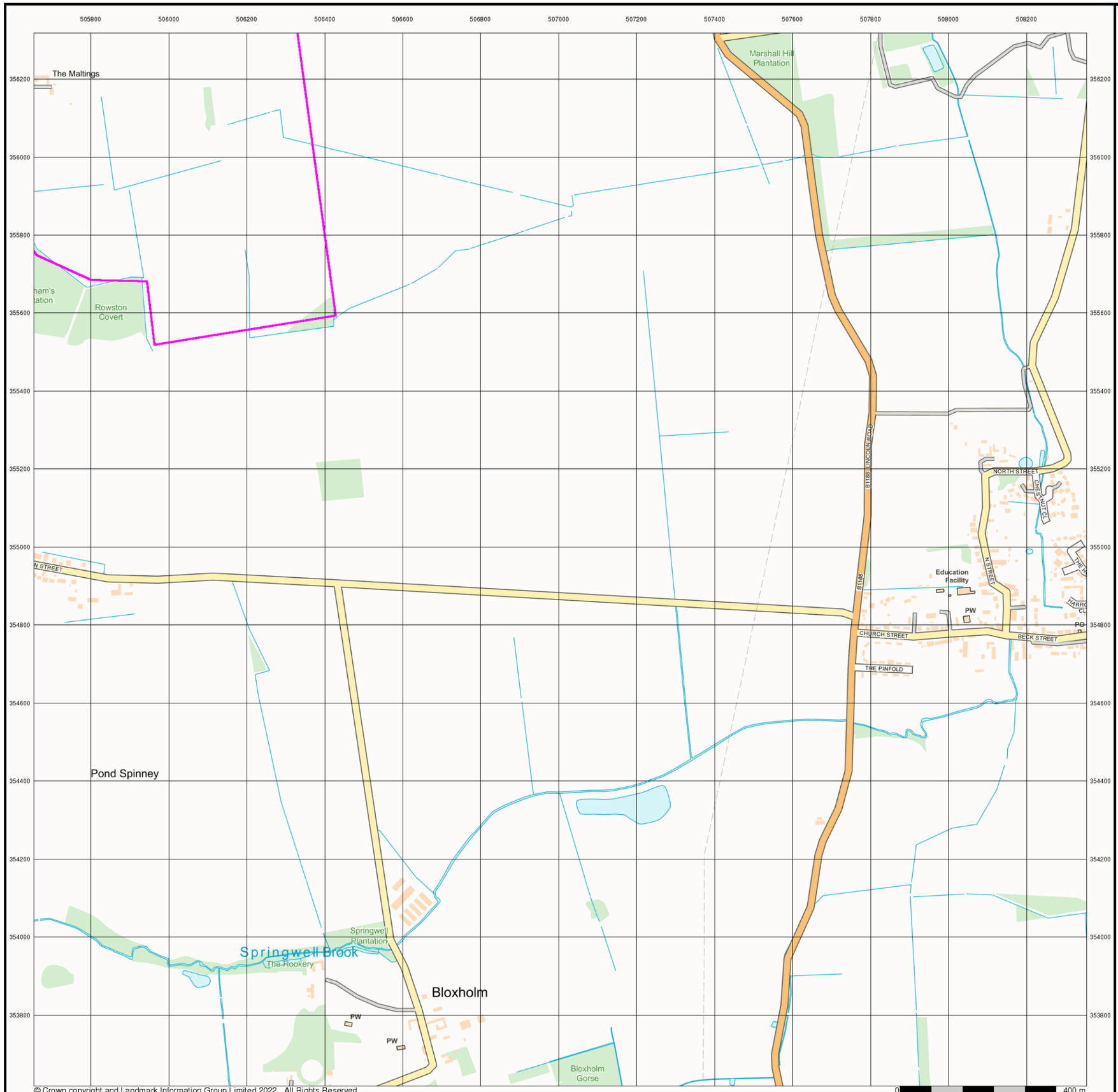
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Street View

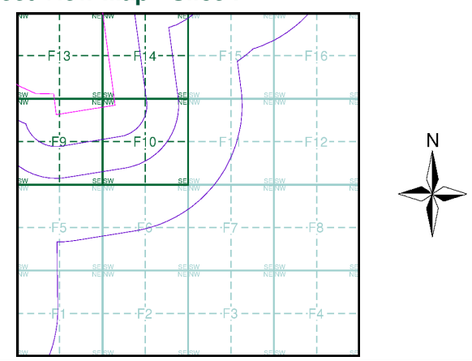
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice F



Order Details

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Site Details

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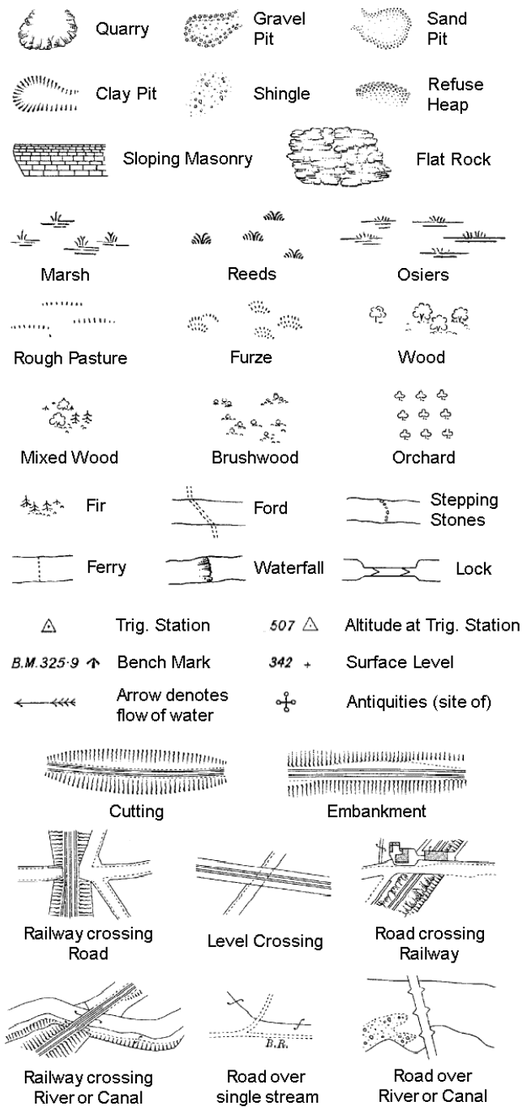
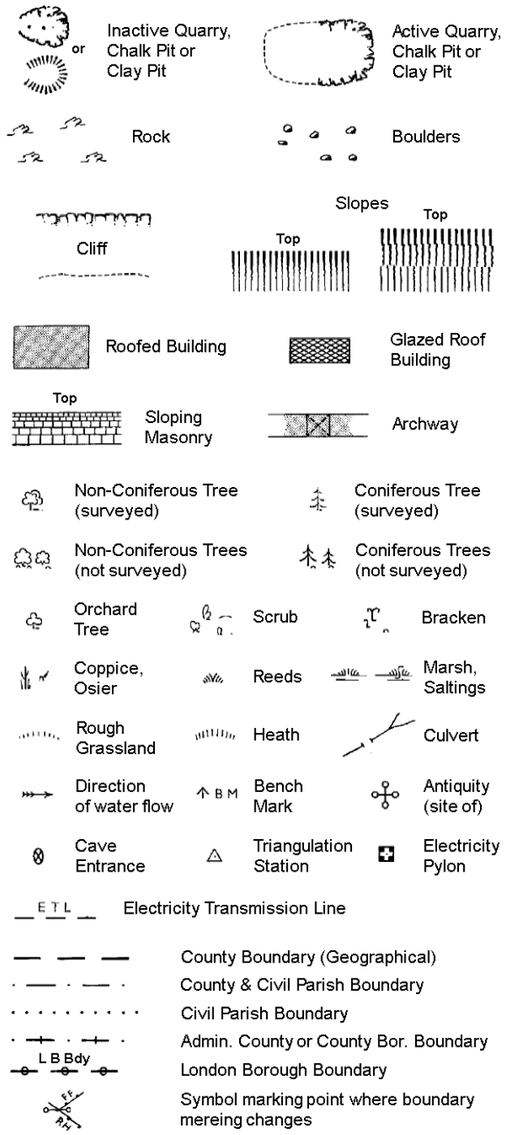
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



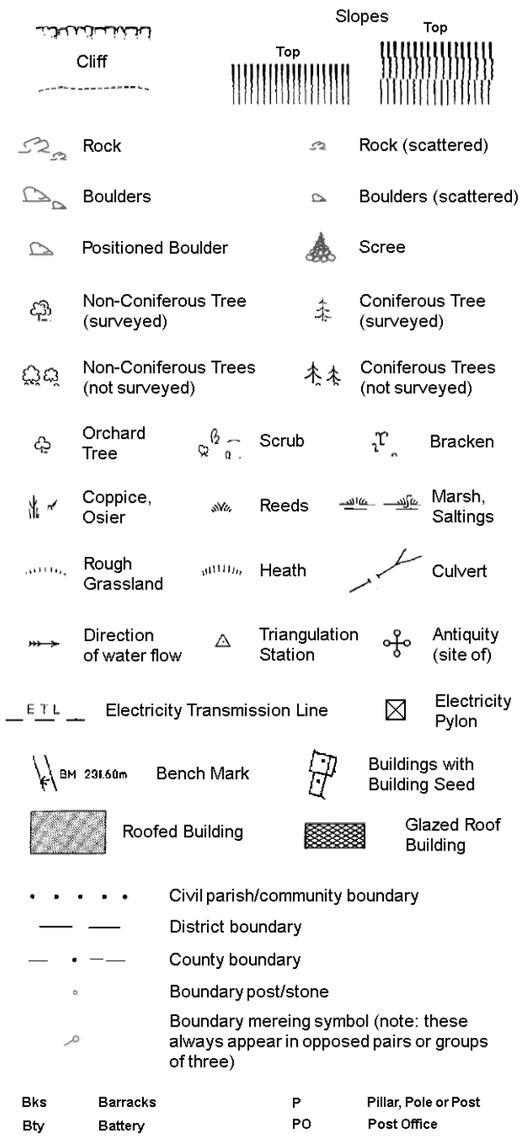
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



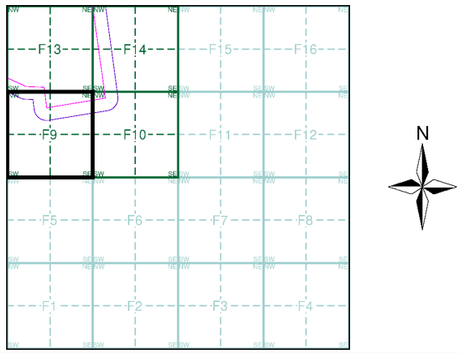
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment F9



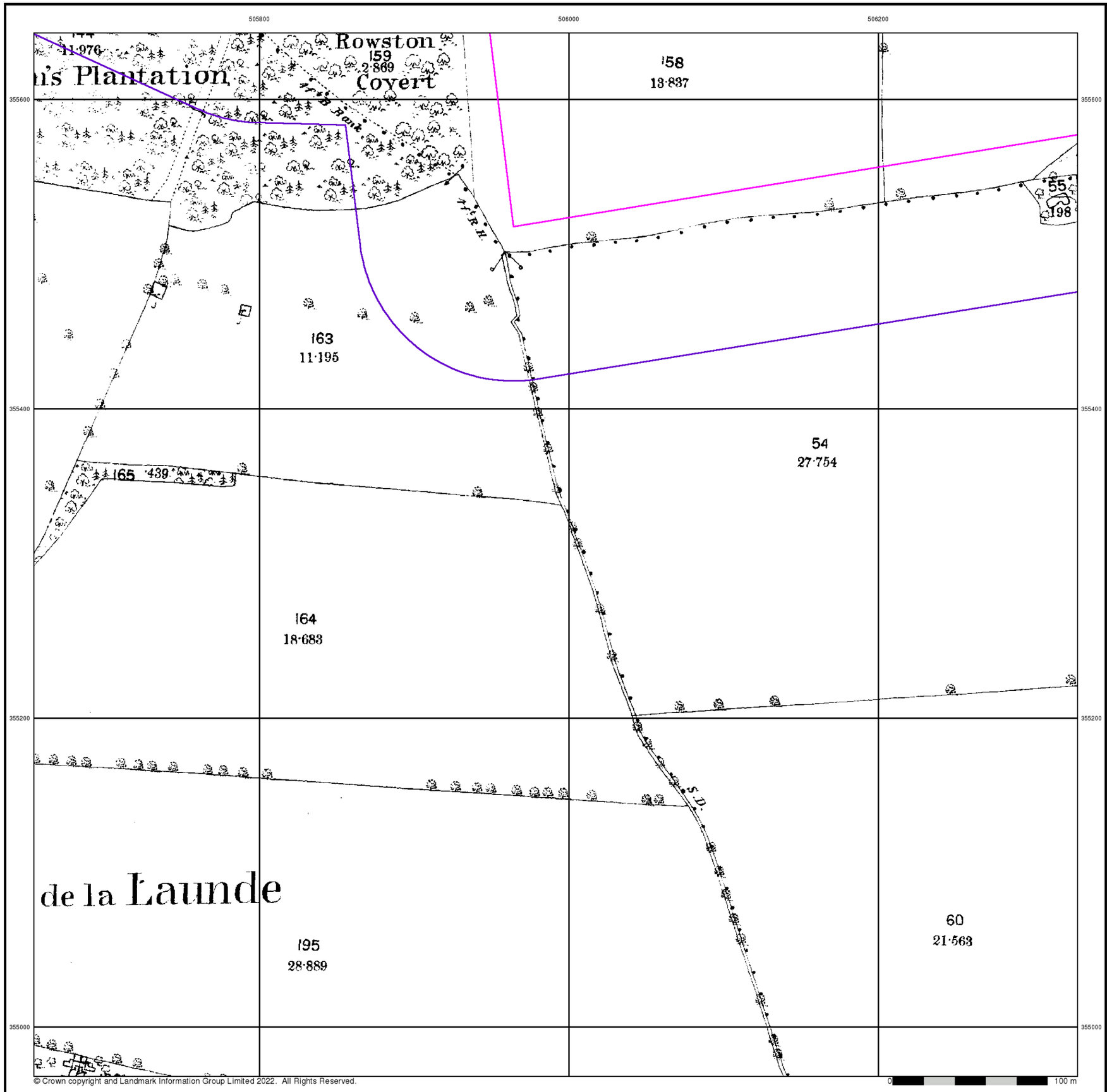
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506460, 355390
Slice: F
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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0 100 m

RSK

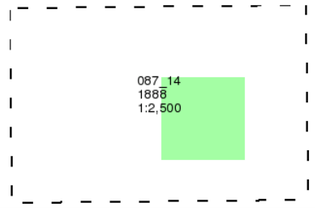
Lincolnshire

Published 1888

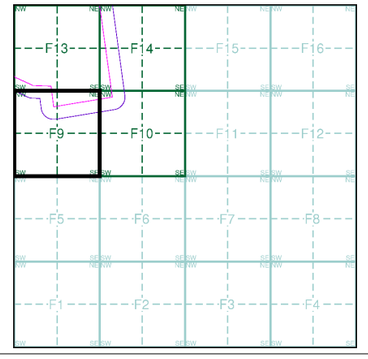
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment F9



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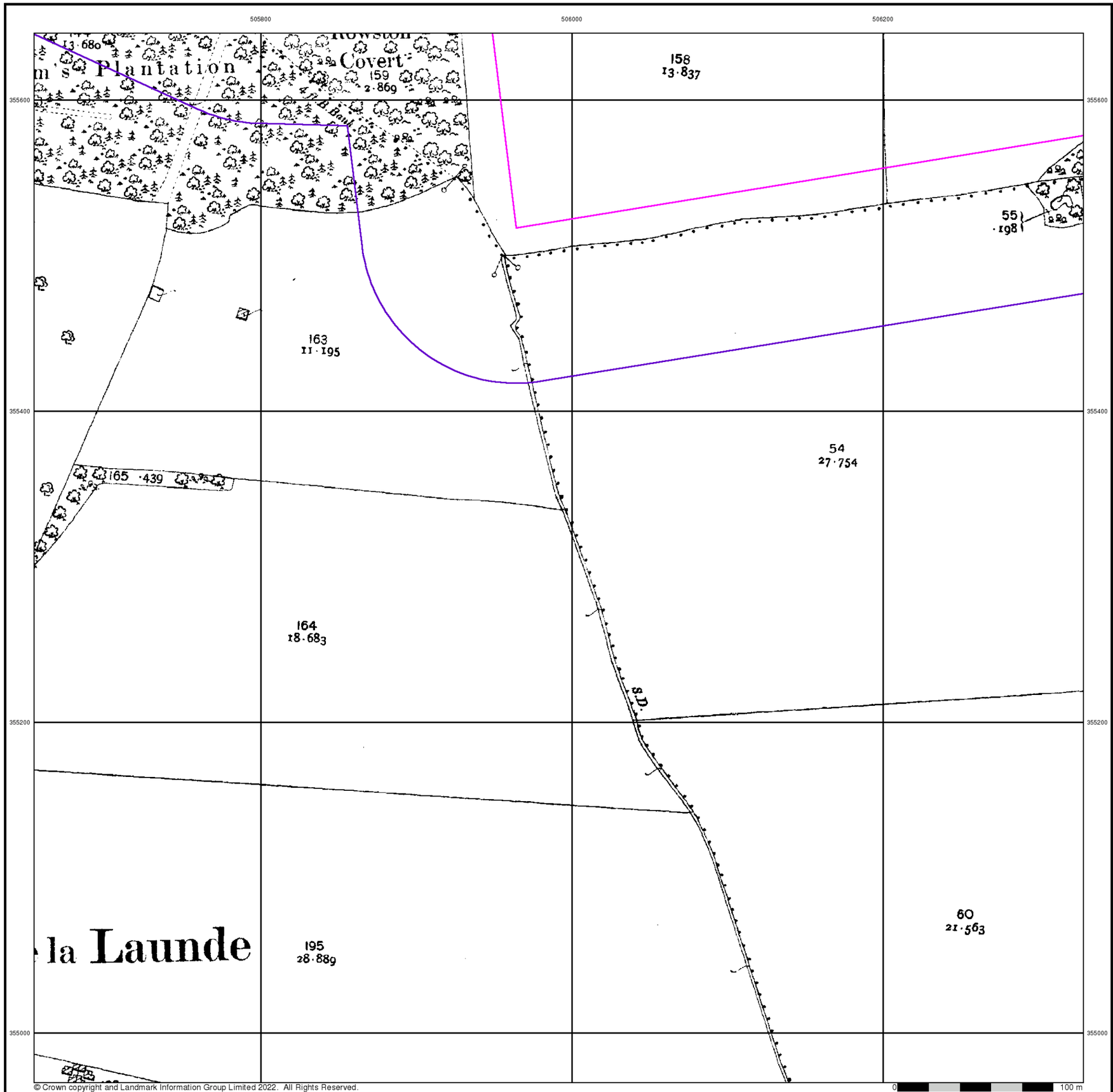

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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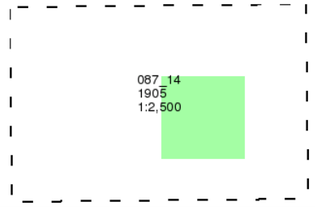
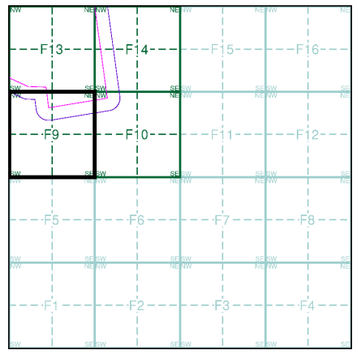
Map Name(s) and Date(s)



Historical Map - Segment F9



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Site Details

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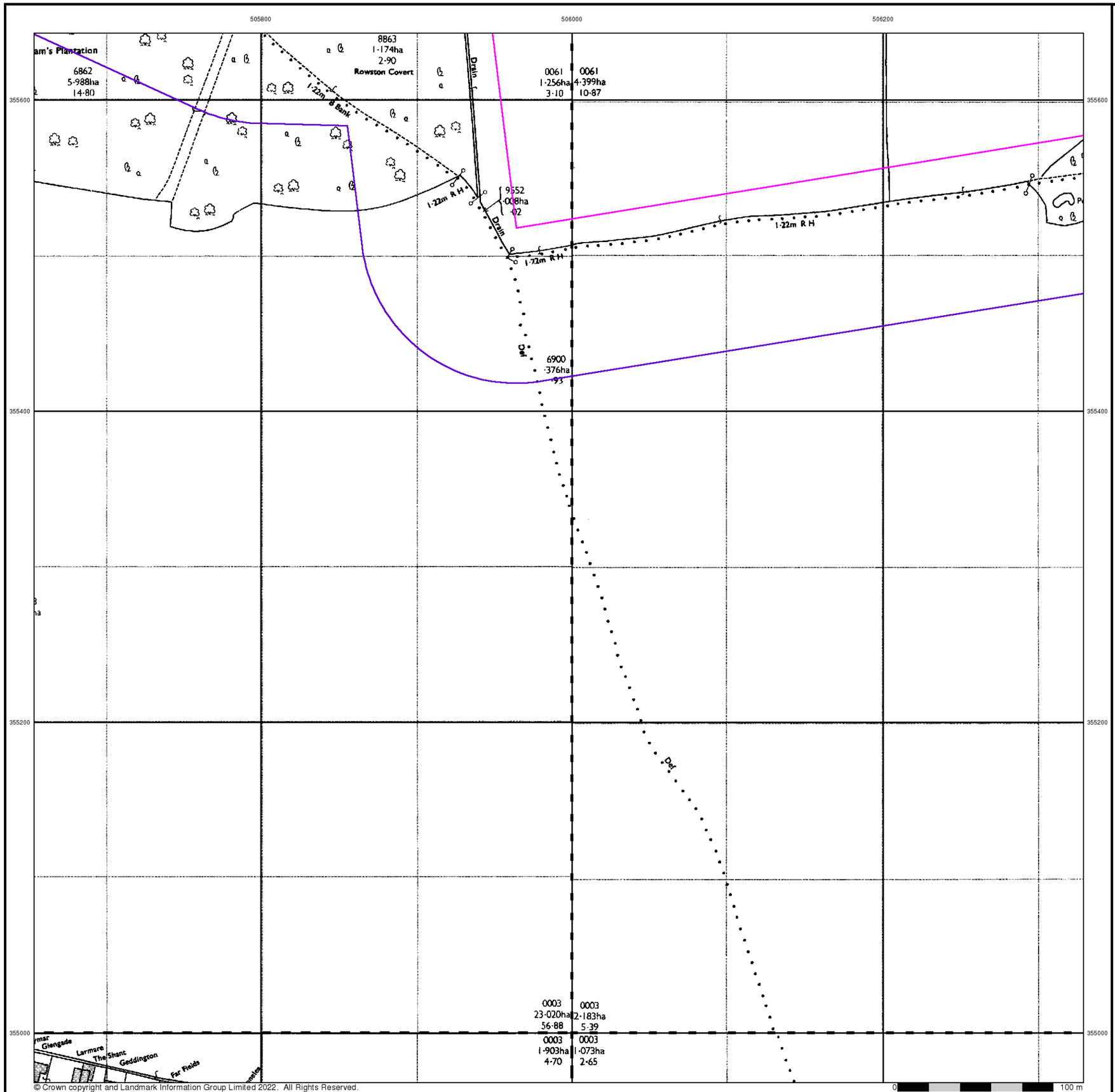

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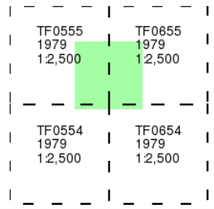
Ordnance Survey Plan

Published 1979

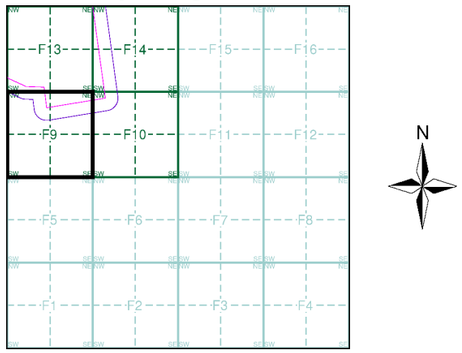
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment F9



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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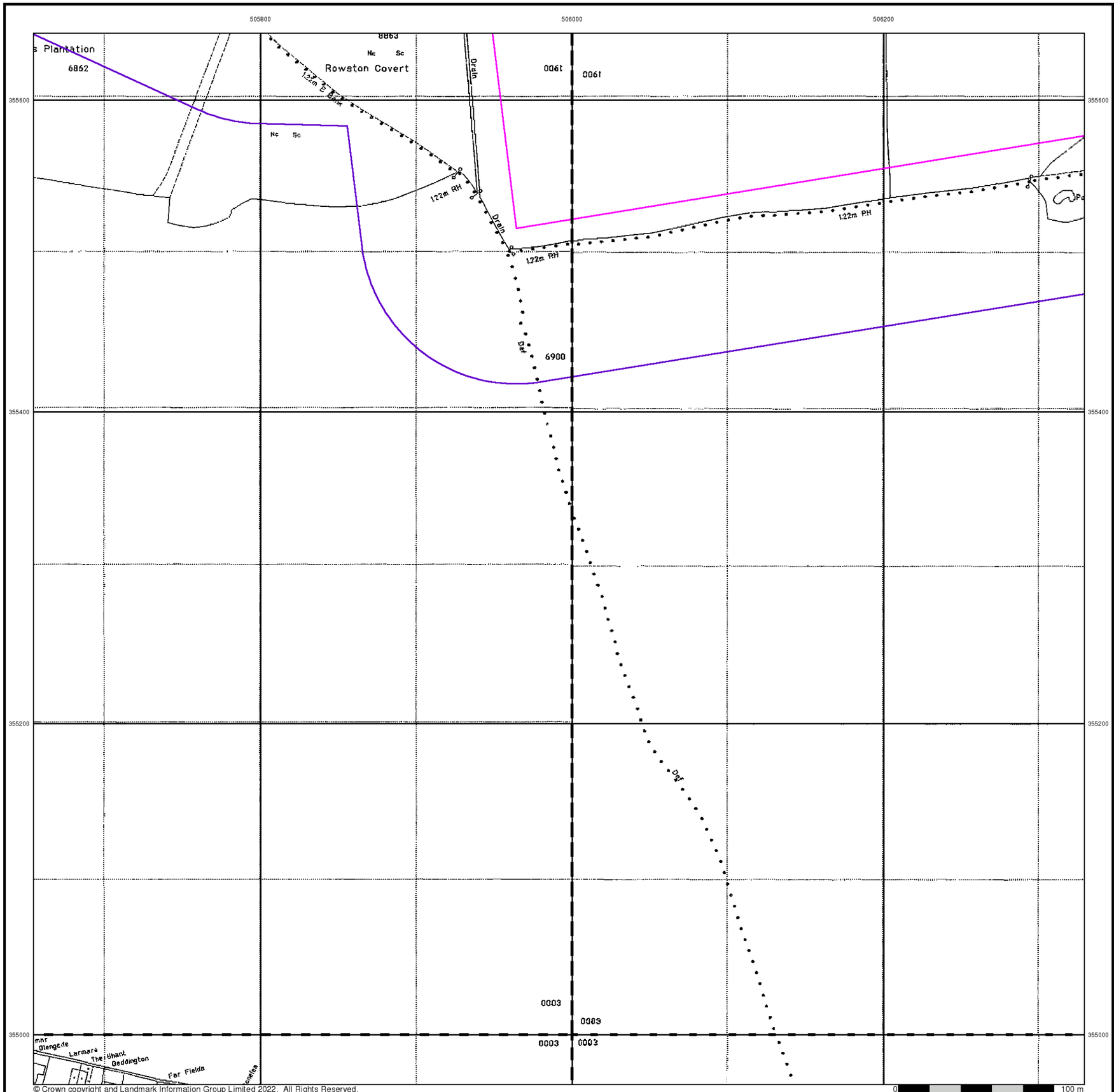

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RSK

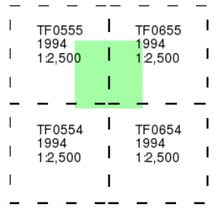
Large-Scale National Grid Data

Published 1994

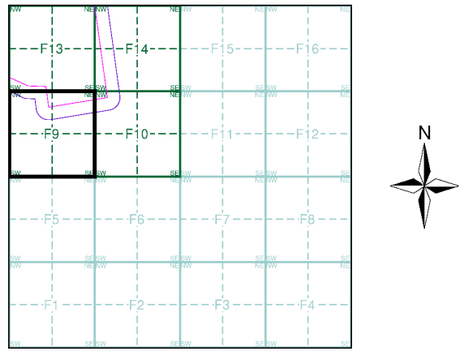
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment F9



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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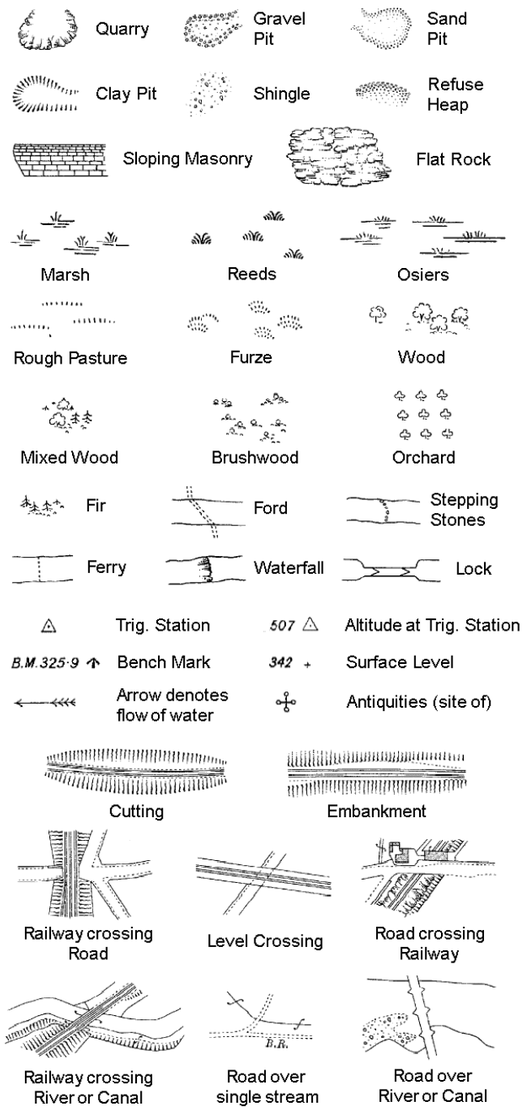
Web: www.envirocheck.co.uk

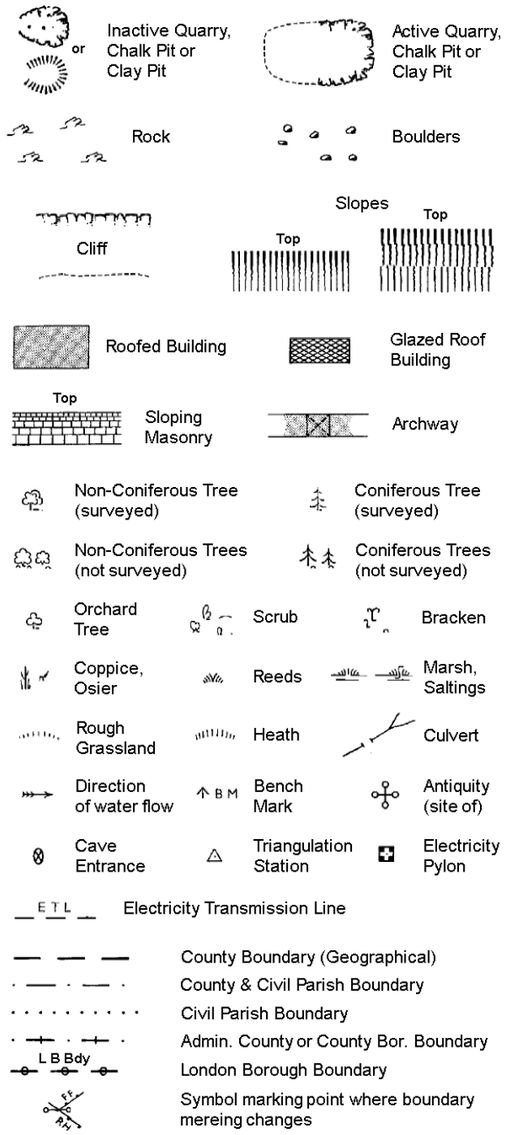
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



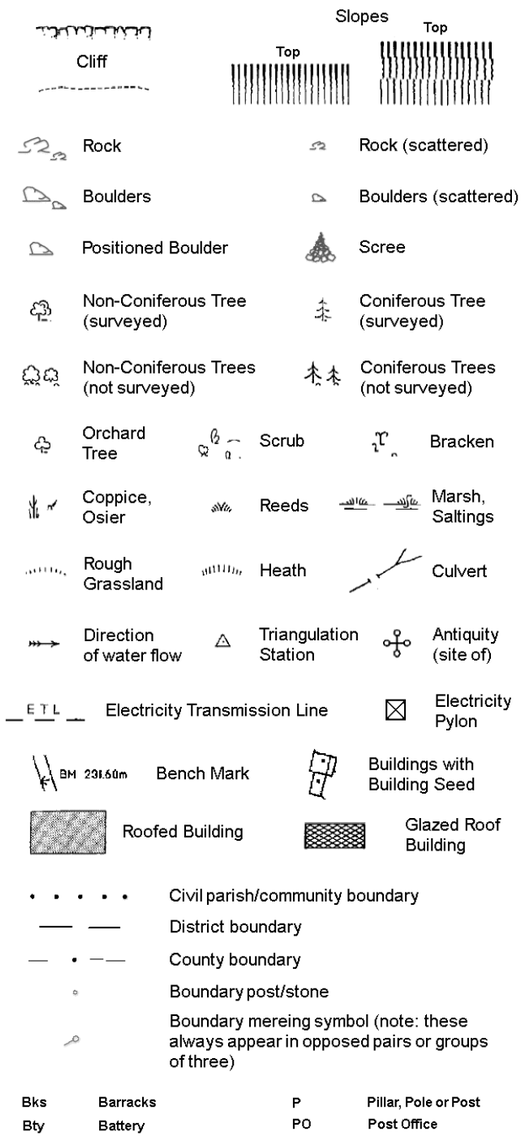
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
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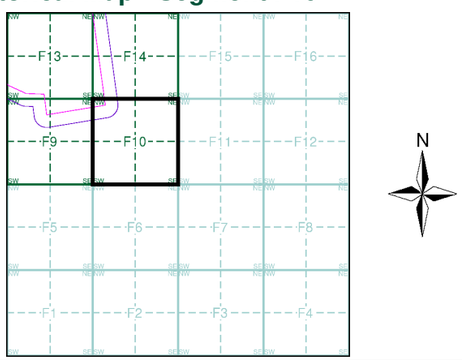
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment F10



Order Details

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Slice: F
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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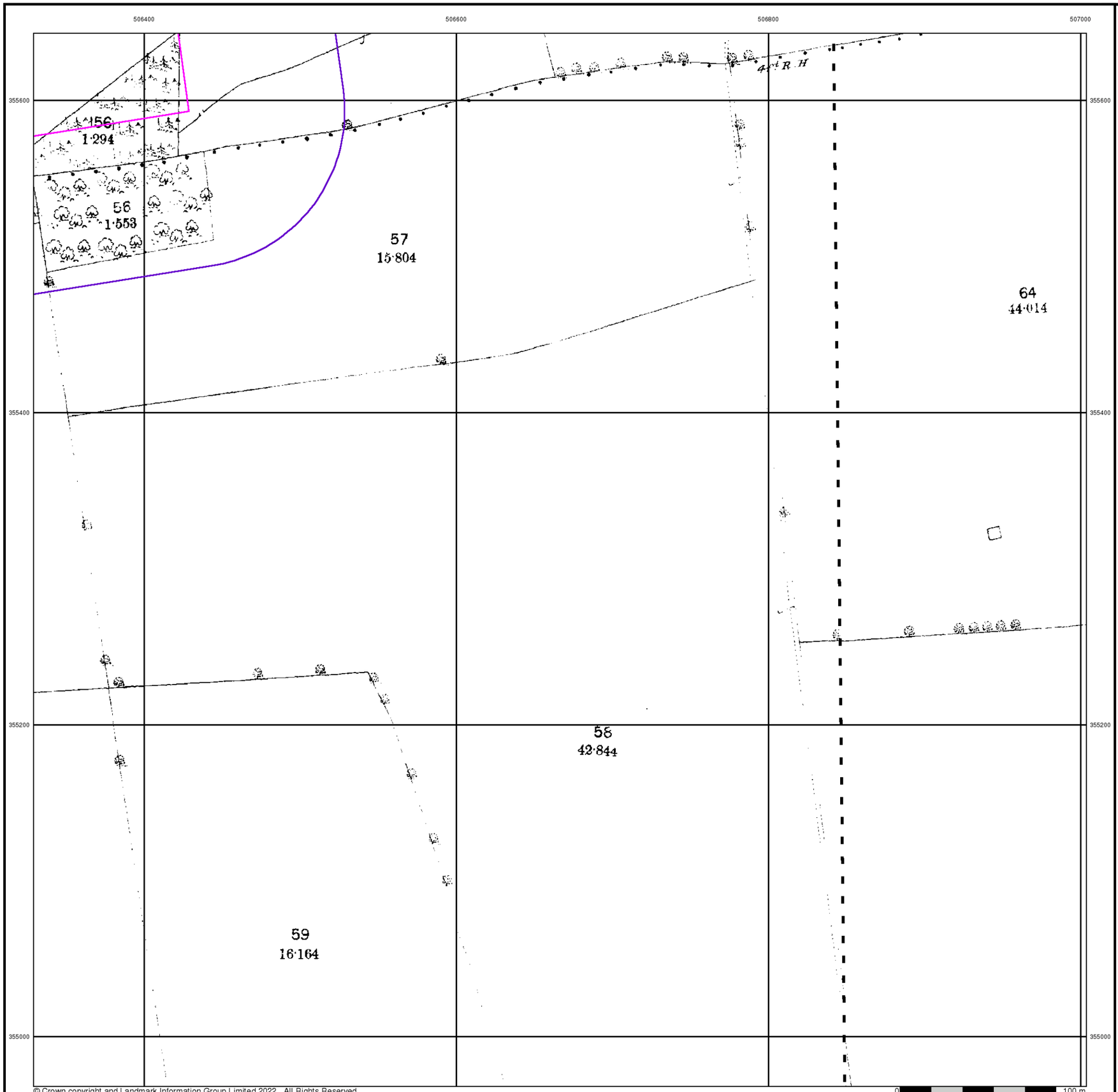

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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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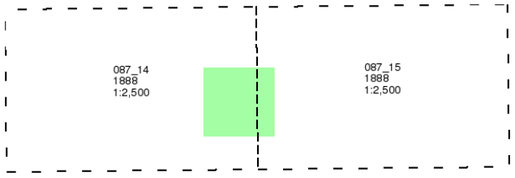
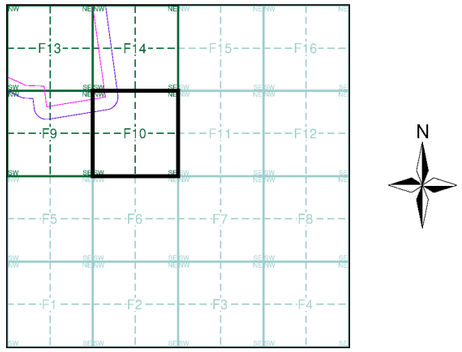
Map Name(s) and Date(s)



Historical Map - Segment F10



Order Details

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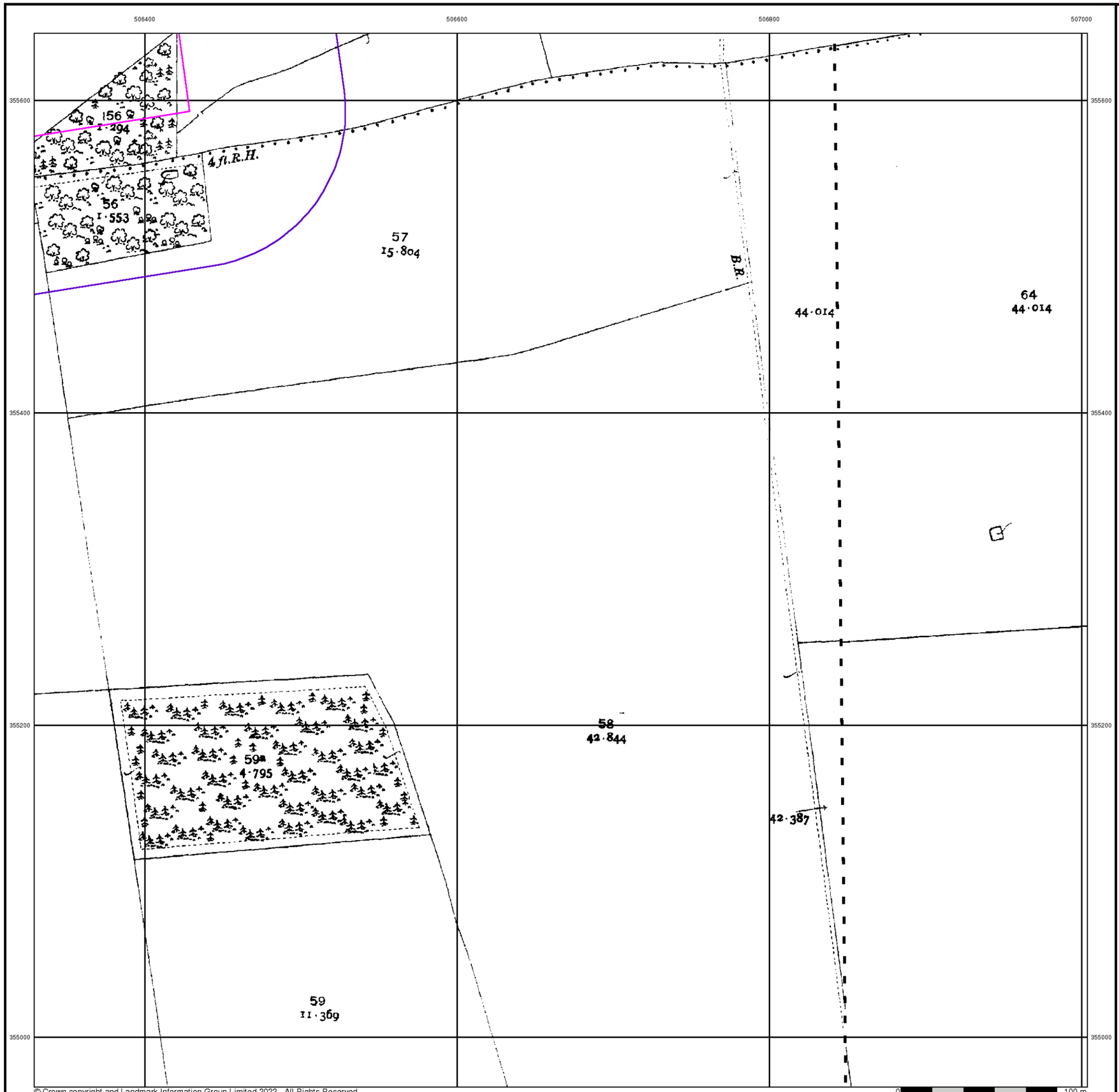

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RSK

Lincolnshire

Published 1905

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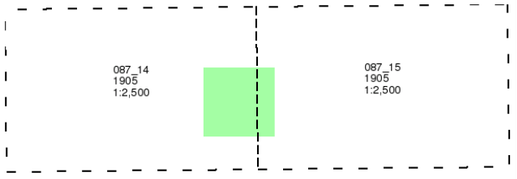
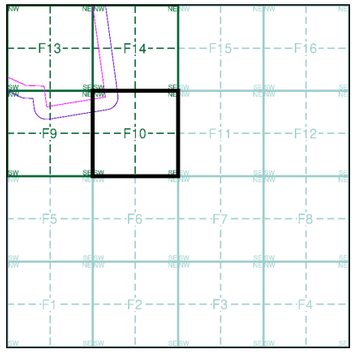


Historical Map - Segment F10



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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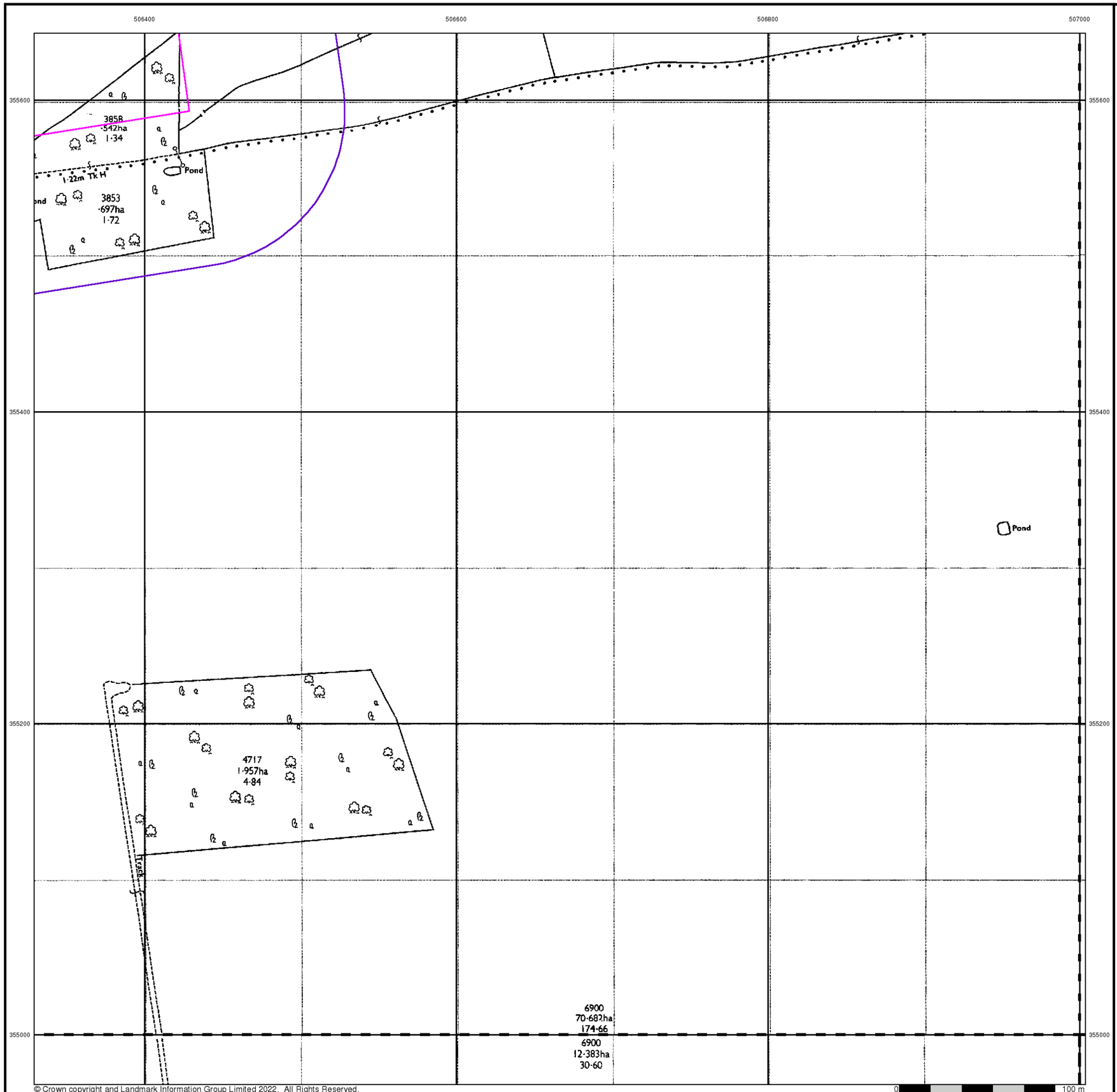
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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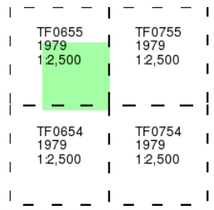
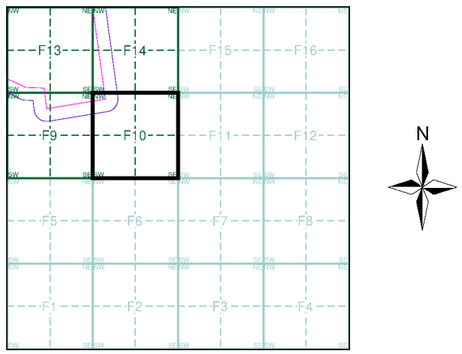
Map Name(s) and Date(s)



Historical Map - Segment F10



Order Details

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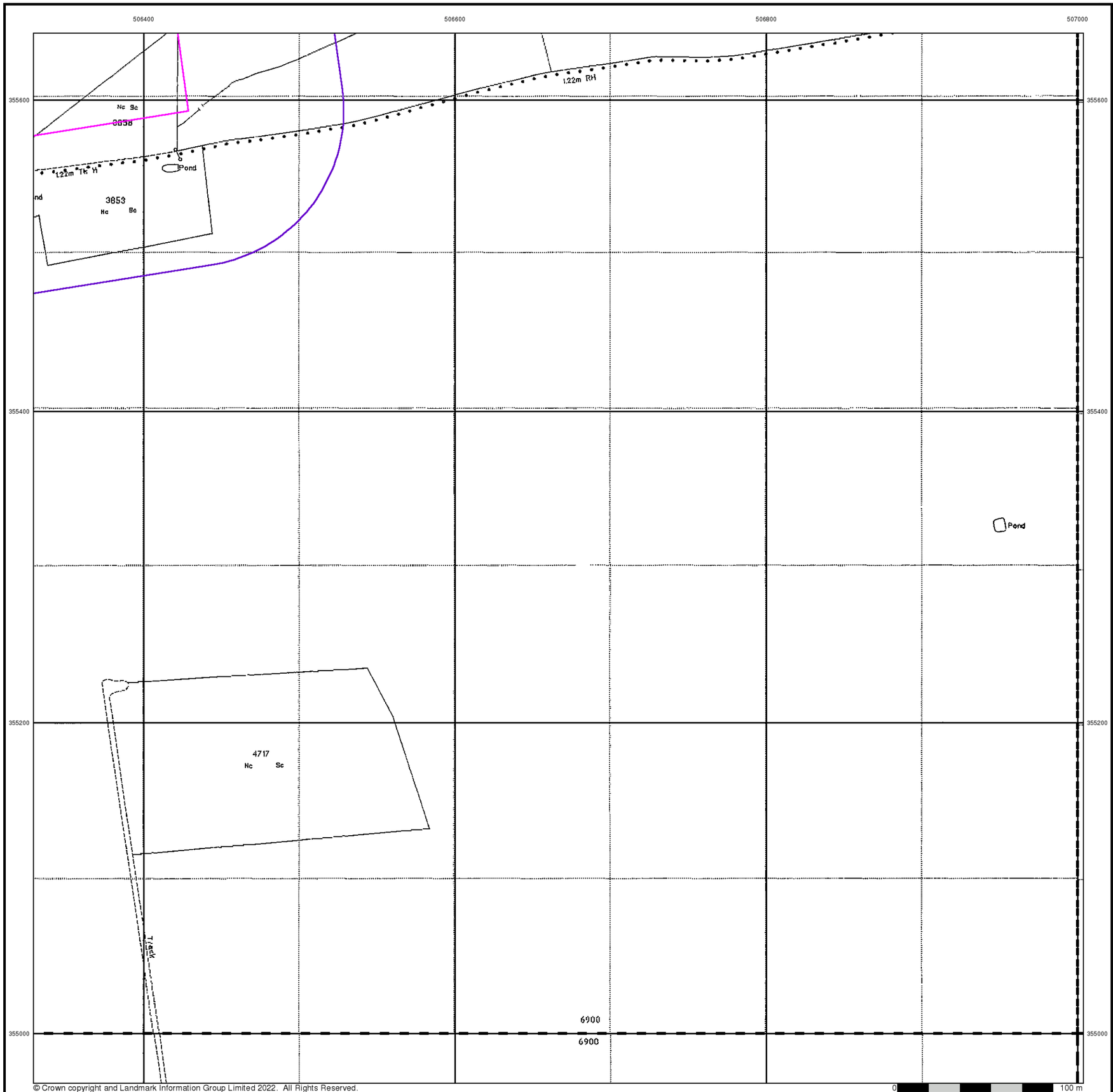

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0 100 m

Large-Scale National Grid Data

Published 1994

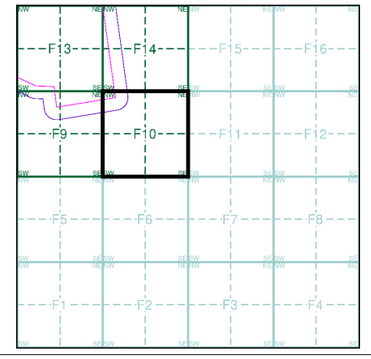
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TF0655 1994 1:2,500	TF0755 1994 1:2,500
TF0654 1994 1:2,500	TF0754 1994 1:2,500

Historical Map - Segment F10



Order Details

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Site Details

All Areas New

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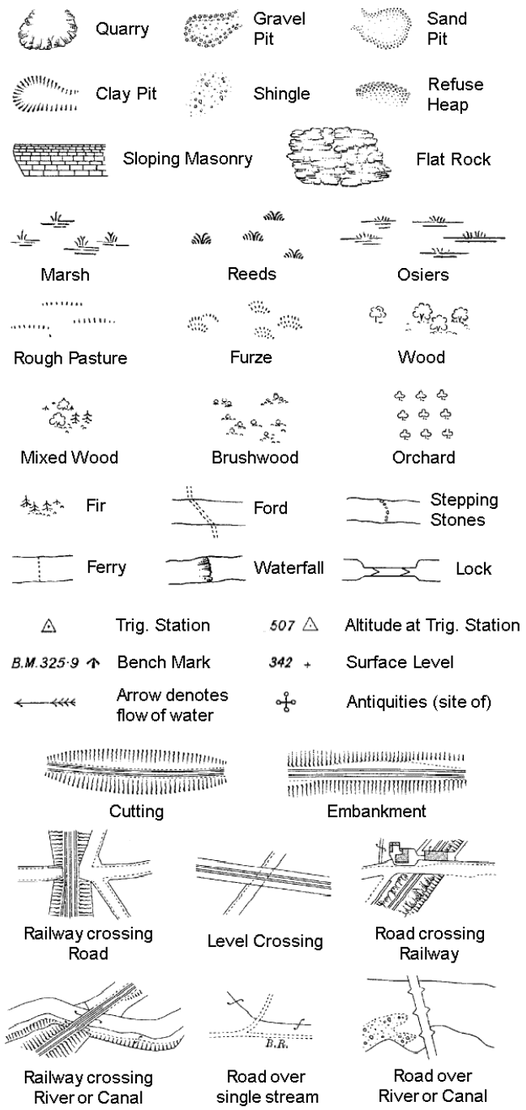
Historical Mapping Legends

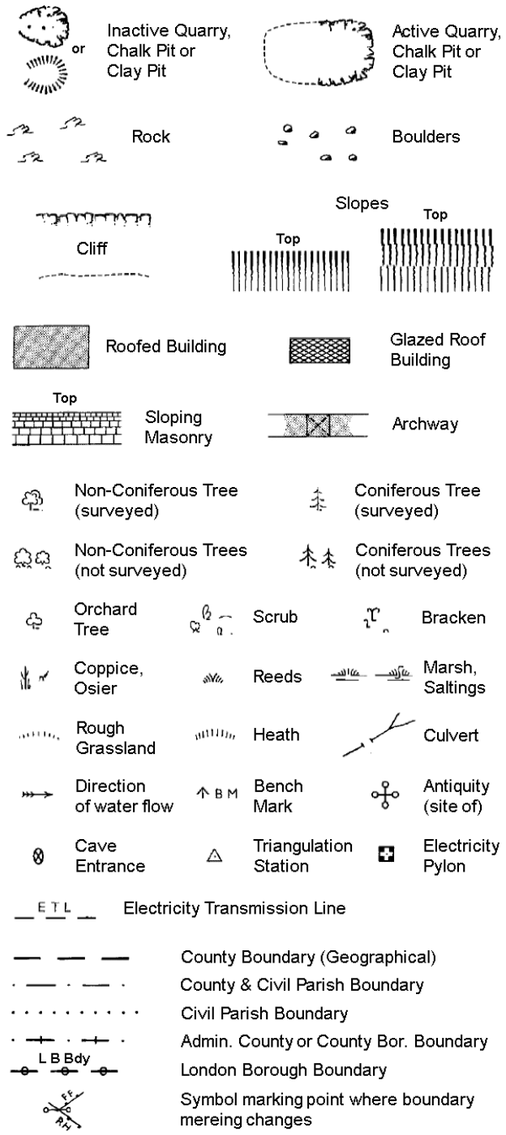
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

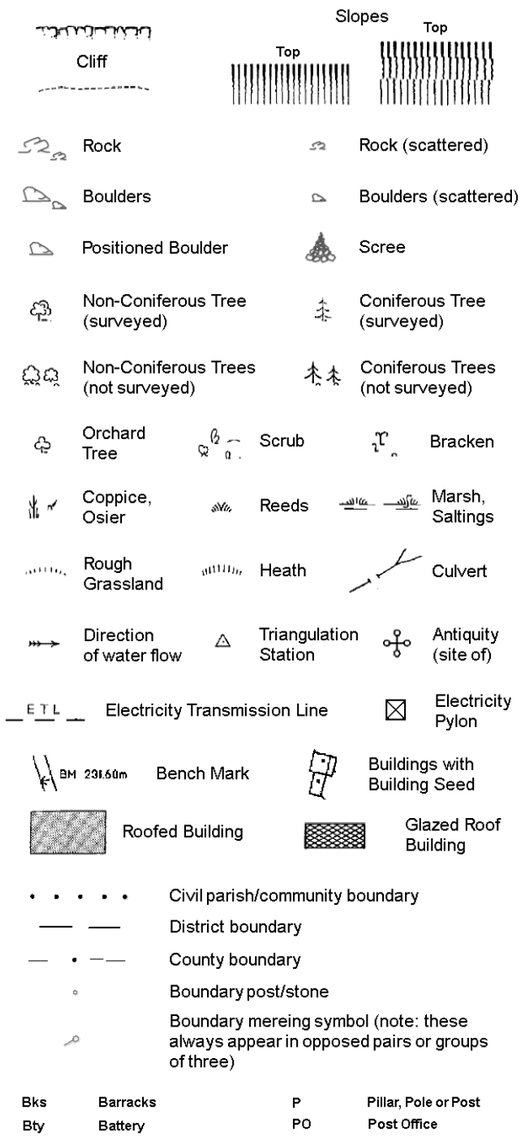
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

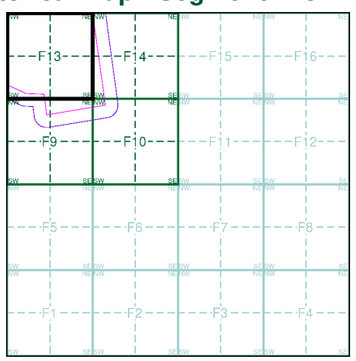
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment F13



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506460, 355390
Slice: F
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
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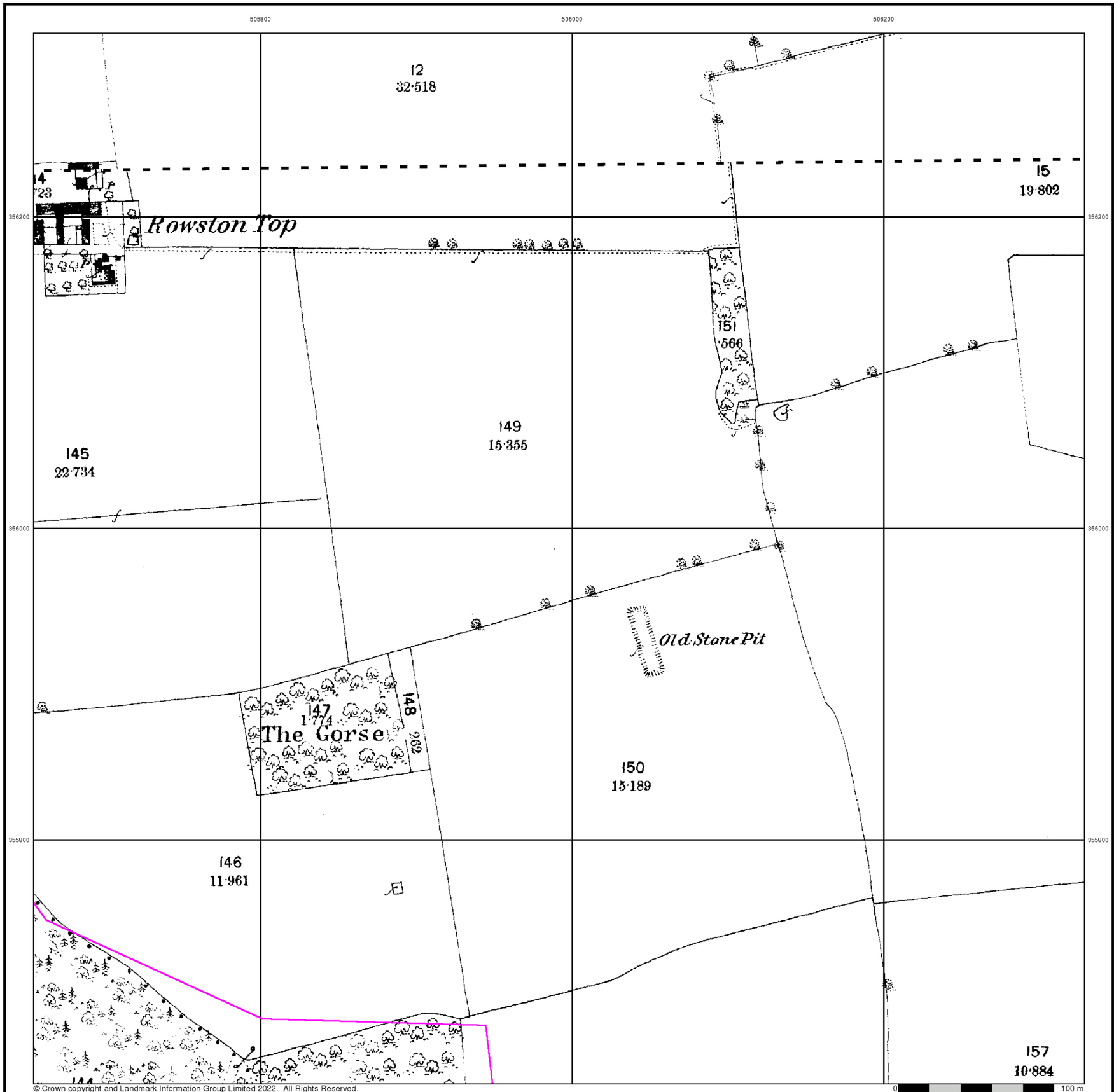
Web: www.envirocheck.co.uk



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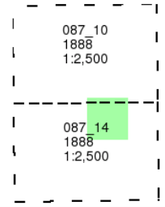
Lincolnshire

Published 1888

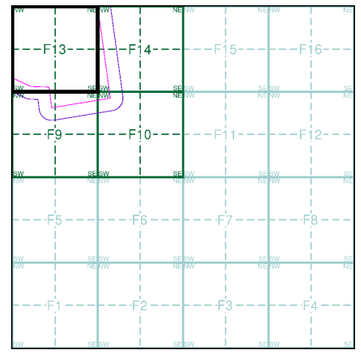
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment F13



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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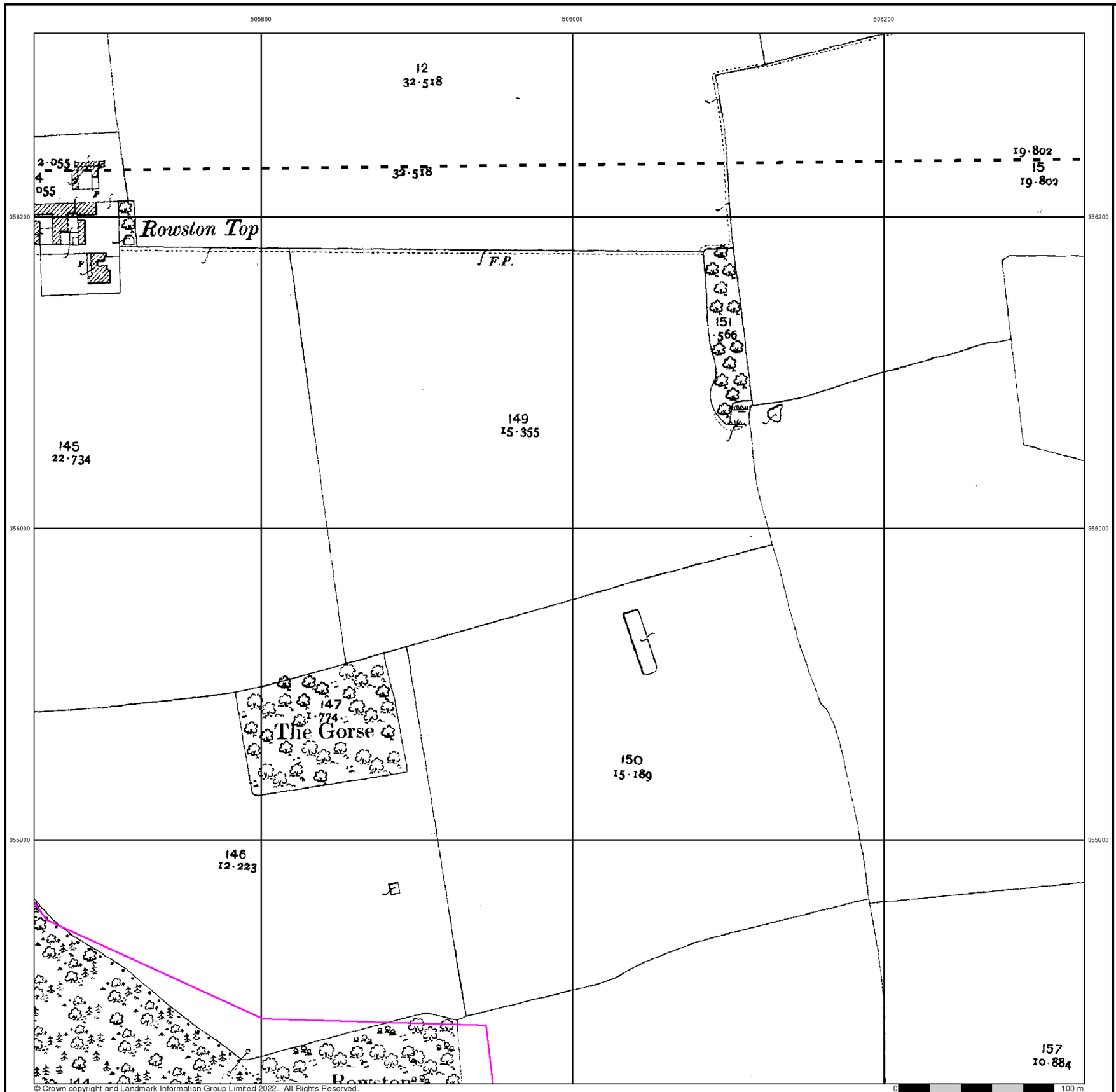

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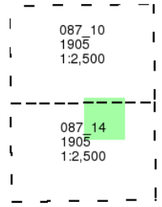
Lincolnshire

Published 1905

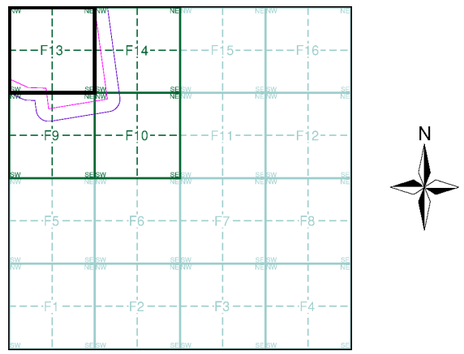
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment F13



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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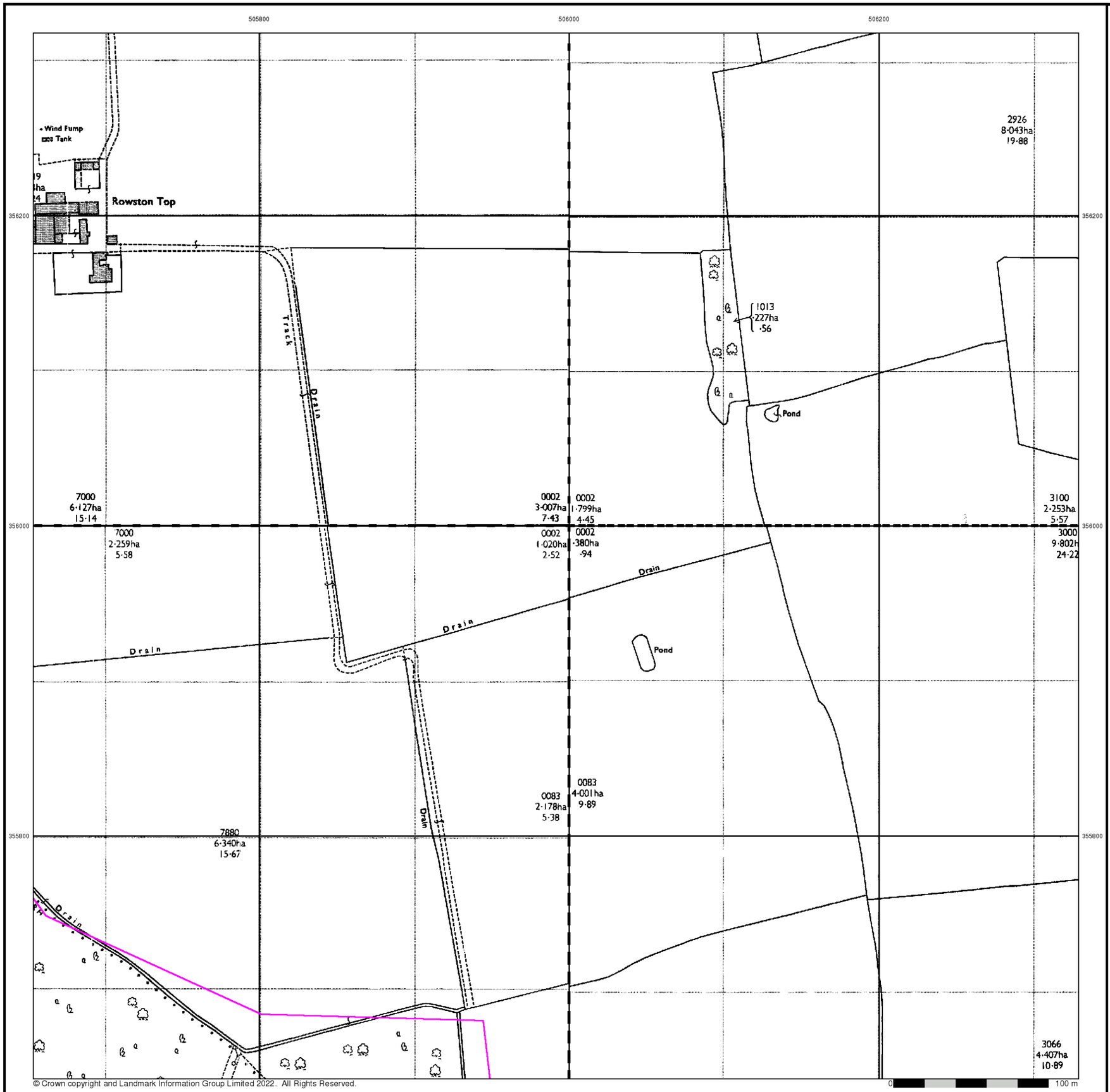
Web: www.envirocheck.co.uk



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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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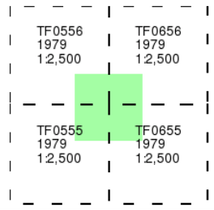
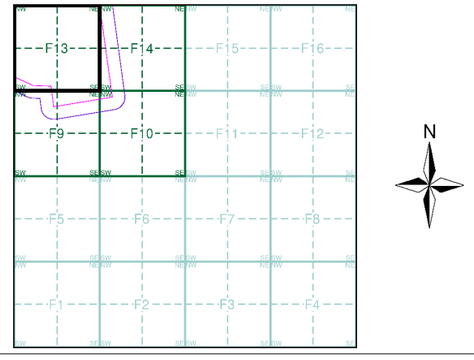
Map Name(s) and Date(s)



Historical Map - Segment F13



Order Details

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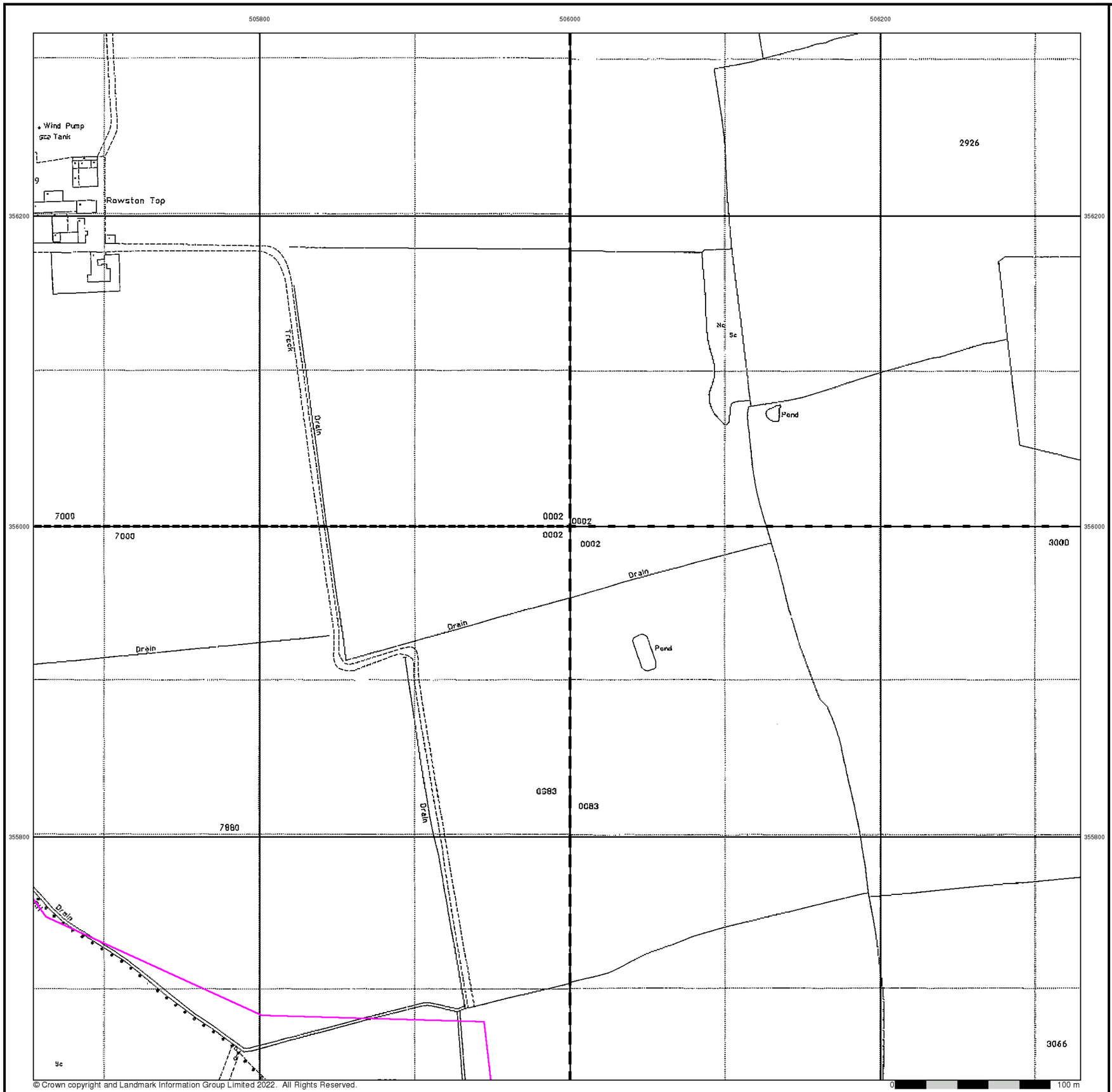


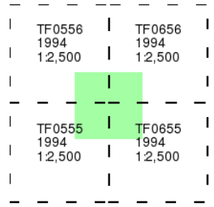
Large-Scale National Grid Data

Published 1994

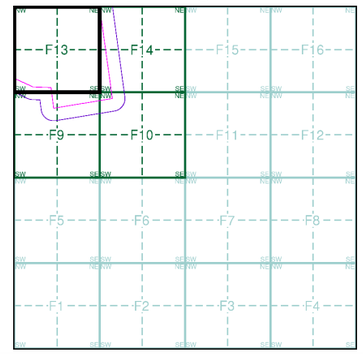
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment F13



Order Details

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Search Buffer (m):	100

Site Details

All Areas New

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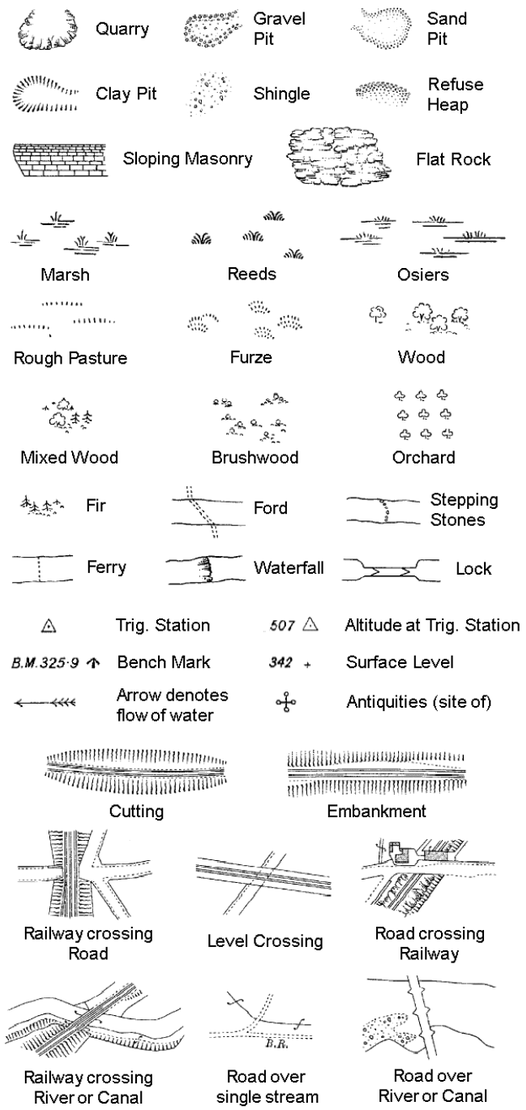
Historical Mapping Legends

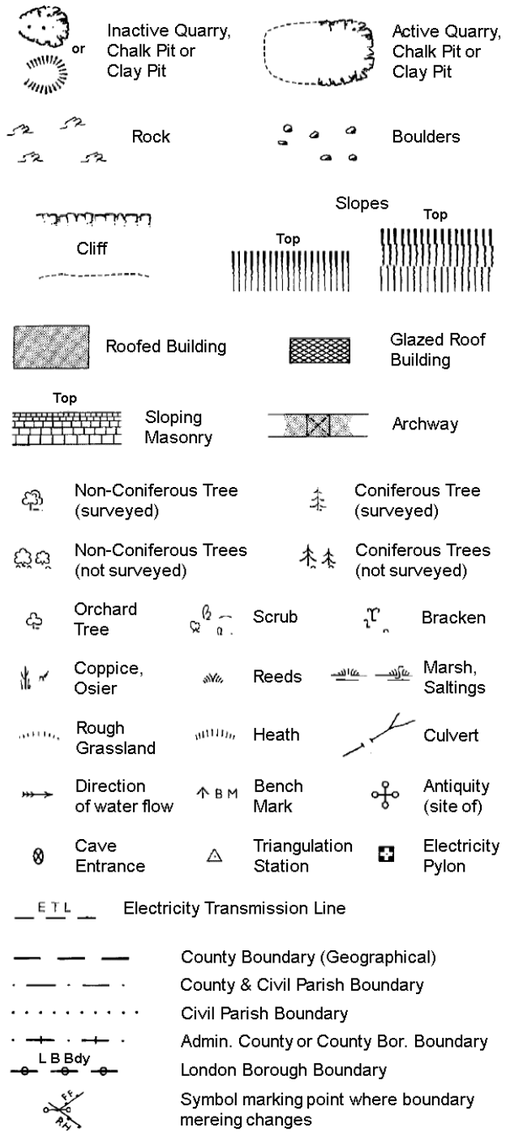
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
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LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
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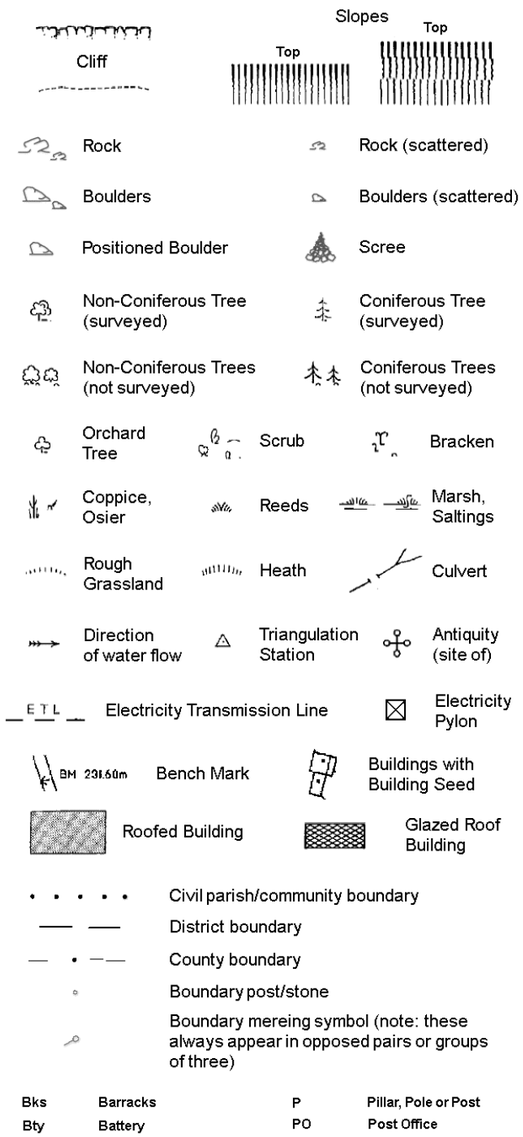
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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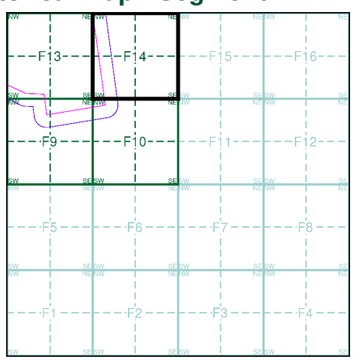
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment F14



Order Details

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Slice: F
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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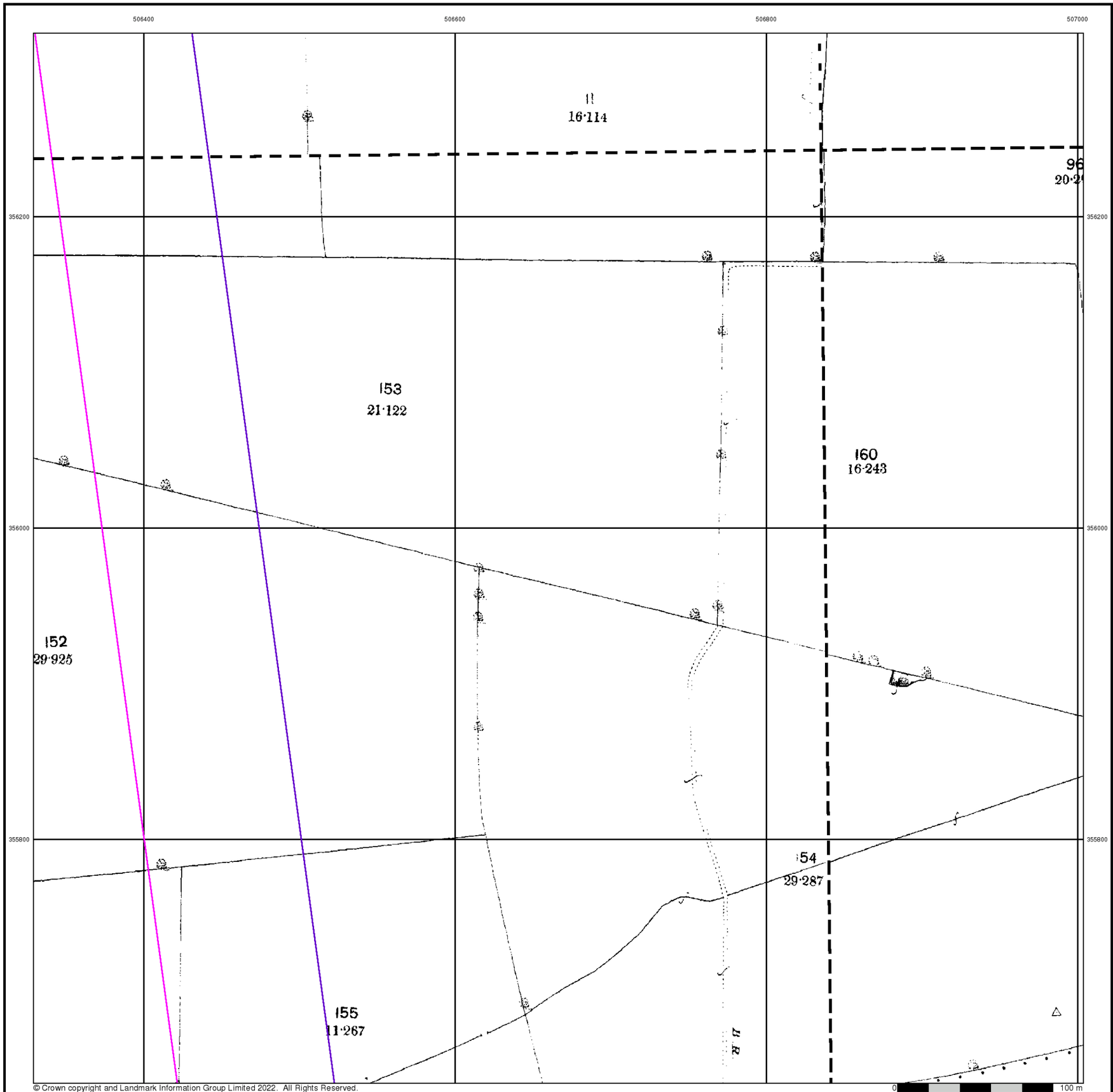

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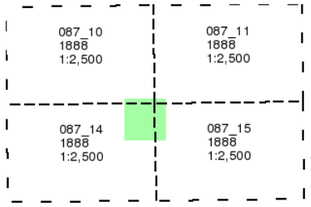
Lincolnshire

Published 1888

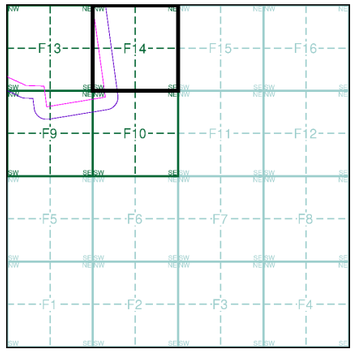
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment F14



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP

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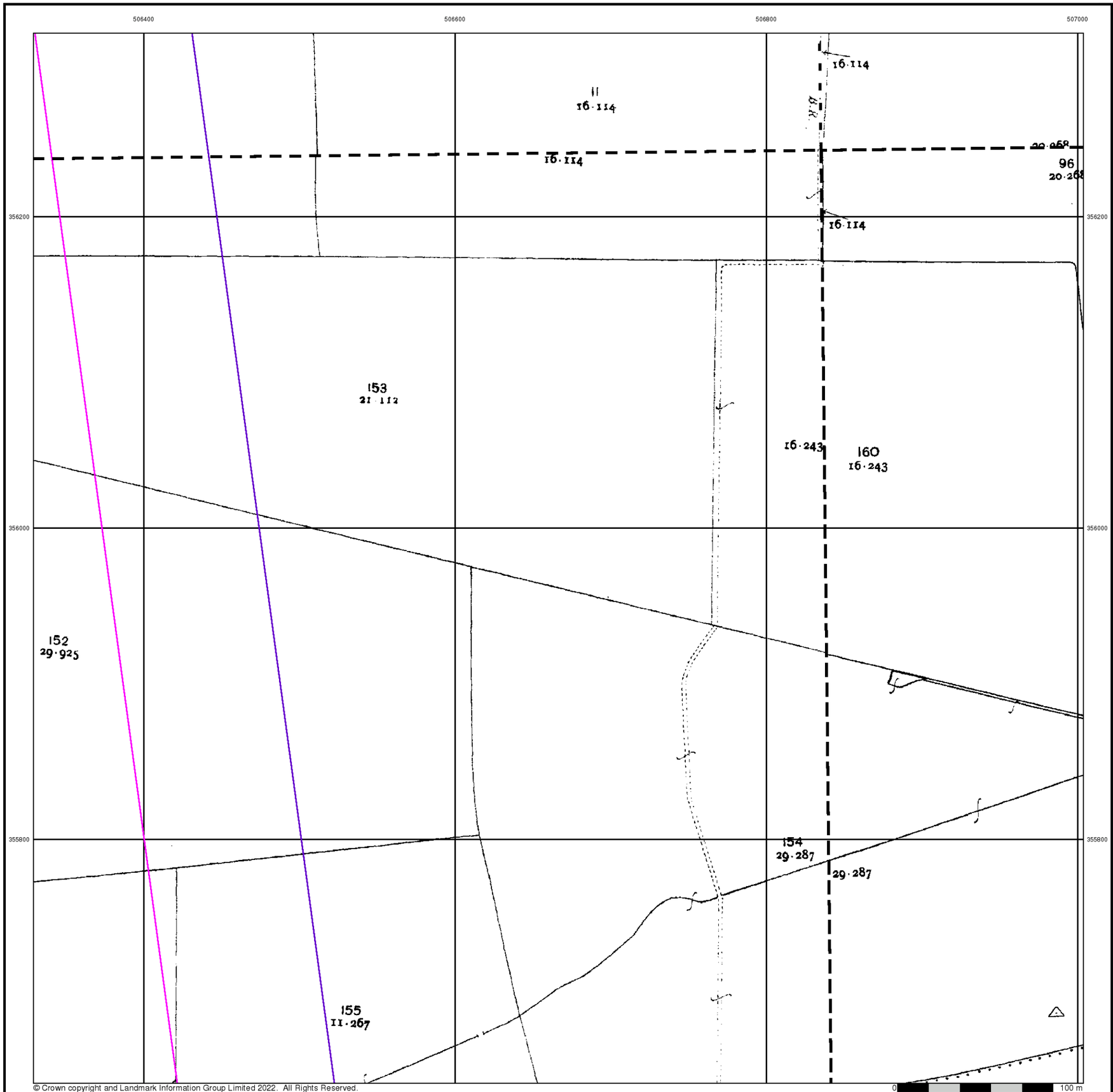
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

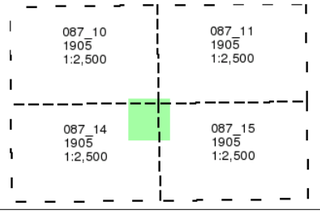
Lincolnshire

Published 1905

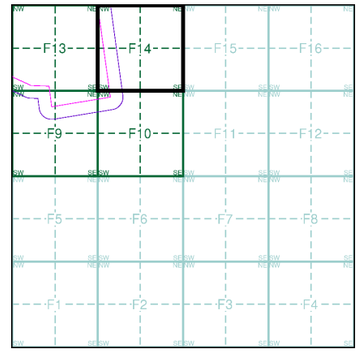
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment F14



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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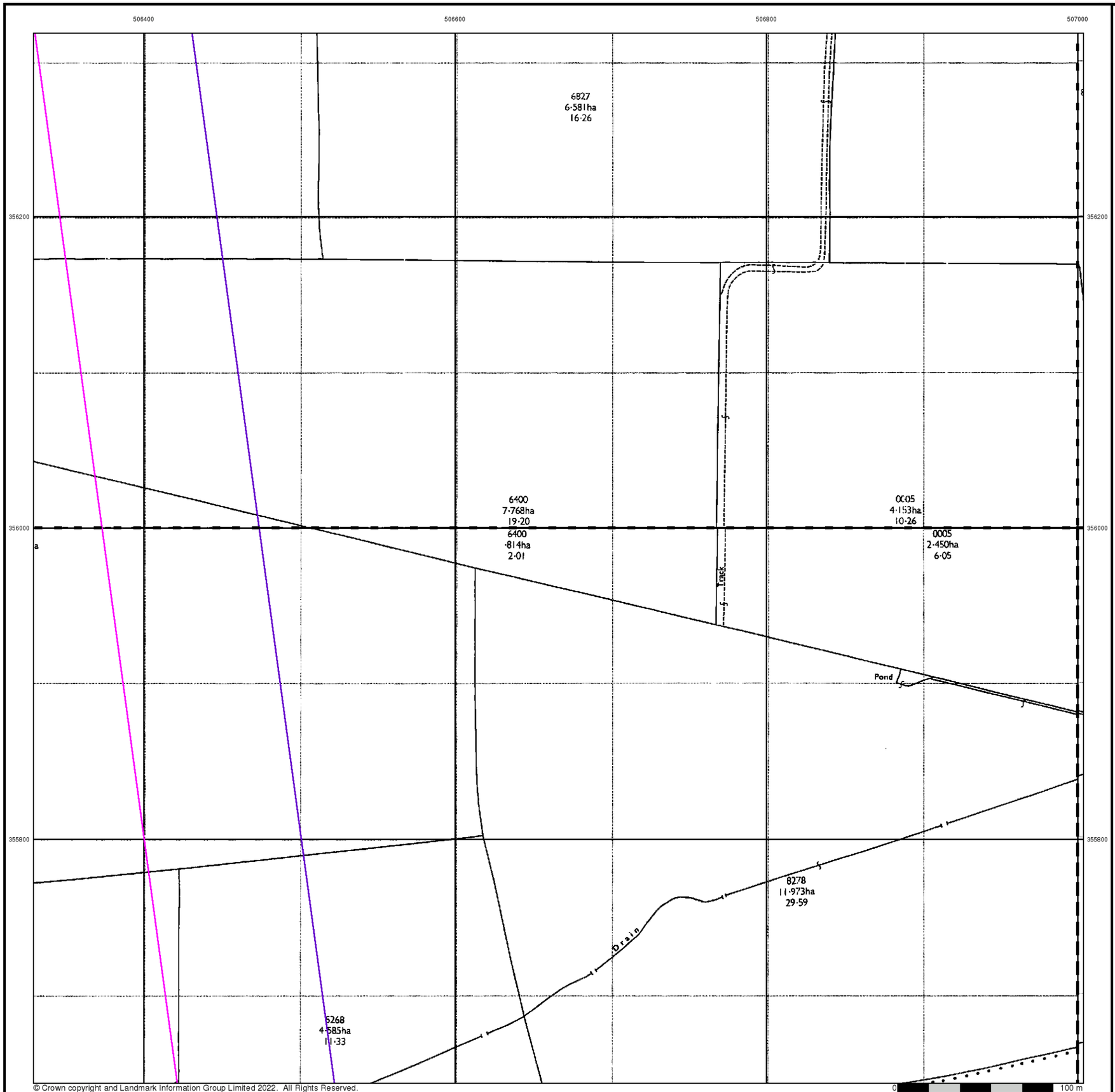

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RSK

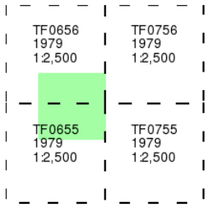
Ordnance Survey Plan

Published 1979

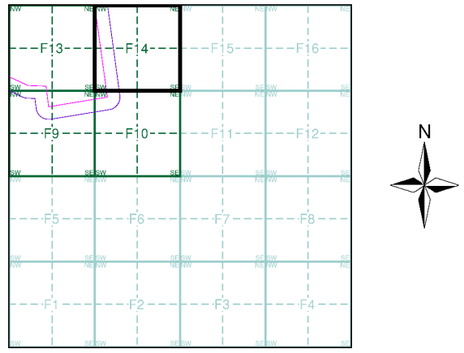
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment F14



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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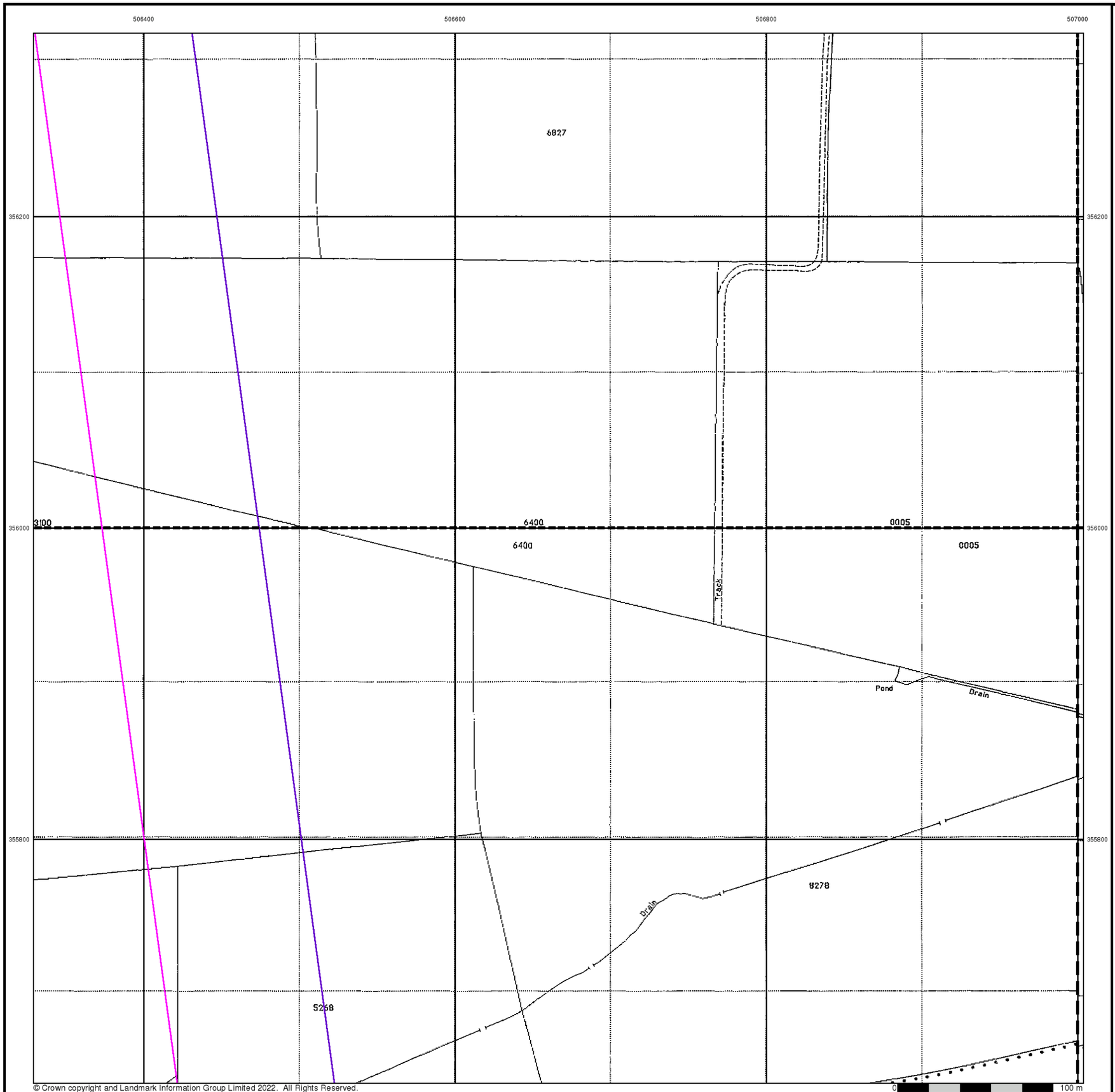

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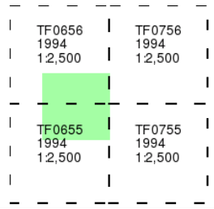
Large-Scale National Grid Data

Published 1994

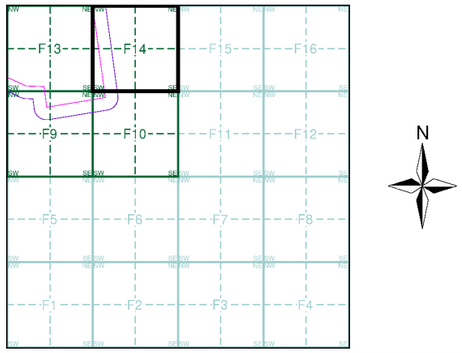
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment F14



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506460, 355390
Slice:	F
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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APPENDIX D7 ENVIRONMENTAL DATABASE REPORT – ZONE G

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
501810, 356860

Slice:
G

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	4
Hazardous Substances	-
Geological	5
Industrial Land Use	-
Sensitive Land Use	7
Data Currency	8
Data Suppliers	12
Useful Contacts	13

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature					
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 1				1 (*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 1	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 3	6	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 3	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 3		1		
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 4	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 5	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 5	1	1		1
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas	pg 6	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 6	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 7	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	G3SE (SE)	0	1	502100 356600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	G3NW (SW)	0	1	501811 356860
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	G4SW (E)	50	1	502400 356650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	G4NW (E)	90	1	502400 356700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	G4NW (E)	162	1	502500 356700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	G4NE (E)	403	1	502650 356860
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	G4NE (E)	474	1	502700 356900
	Nearest Surface Water Feature None				
1	**Water Abstractions** Operator: W Hayward & Sons Licence Number: 4/30/09/*G/0061 Permit Version: 100 Location: W.Hayward & Sons Bore Navenby Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	G6SW (W)	839	2	501100 357100
	Water Abstractions Operator: F N Theaker Licence Number: 4/30/09/*G/0058 Permit Version: 100 Location: F.N.Theaker Well Wellingore Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1367	2	500001 356351
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	G3NW (SW)	0	3	501811 356860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	G3NE (E)	0	3	502000 356860
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	3	503000 356860
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	503000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	501811 356000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	502000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(S)	0	3	501811 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	G3NW (SW)	0	3	501811 356860
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	G3NE (E)	0	3	502000 356860
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(E)	0	3	503000 356860
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(S)	0	3	502000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(SE)	0	3	503000 356000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	G3NW (SW)	0	3	501811 356860
	Superficial Aquifer Designations No Data Available				
2	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	G15NE (N)	177	2	501962 358951
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	OS Water Network Lines None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	4	501811 356860
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	5	501811 356860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Inferior Oolite Group	G3NW (SW)	0	1	501811 356860
3	**BGS Recorded Mineral Sites** Site Name: Scopwick Heath Location: Scopwick Heath, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136050 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	G4SW (SE)	0	1	502356 356486
4	**BGS Recorded Mineral Sites** Site Name: Scopwick Heath Location: Scopwick Heath, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136051 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	G4NW (E)	94	1	502303 356658
5	**BGS Recorded Mineral Sites** Site Name: Glebe Farm Gravel Pit Location: Wellingore, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134881 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	G6SW (W)	751	1	501095 357004
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	G3NW (S)	0	1	501805 356729
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	G3NW (SW)	0	3	501811 356860
7	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	G3NW (SW)	0	3	501811 356860

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

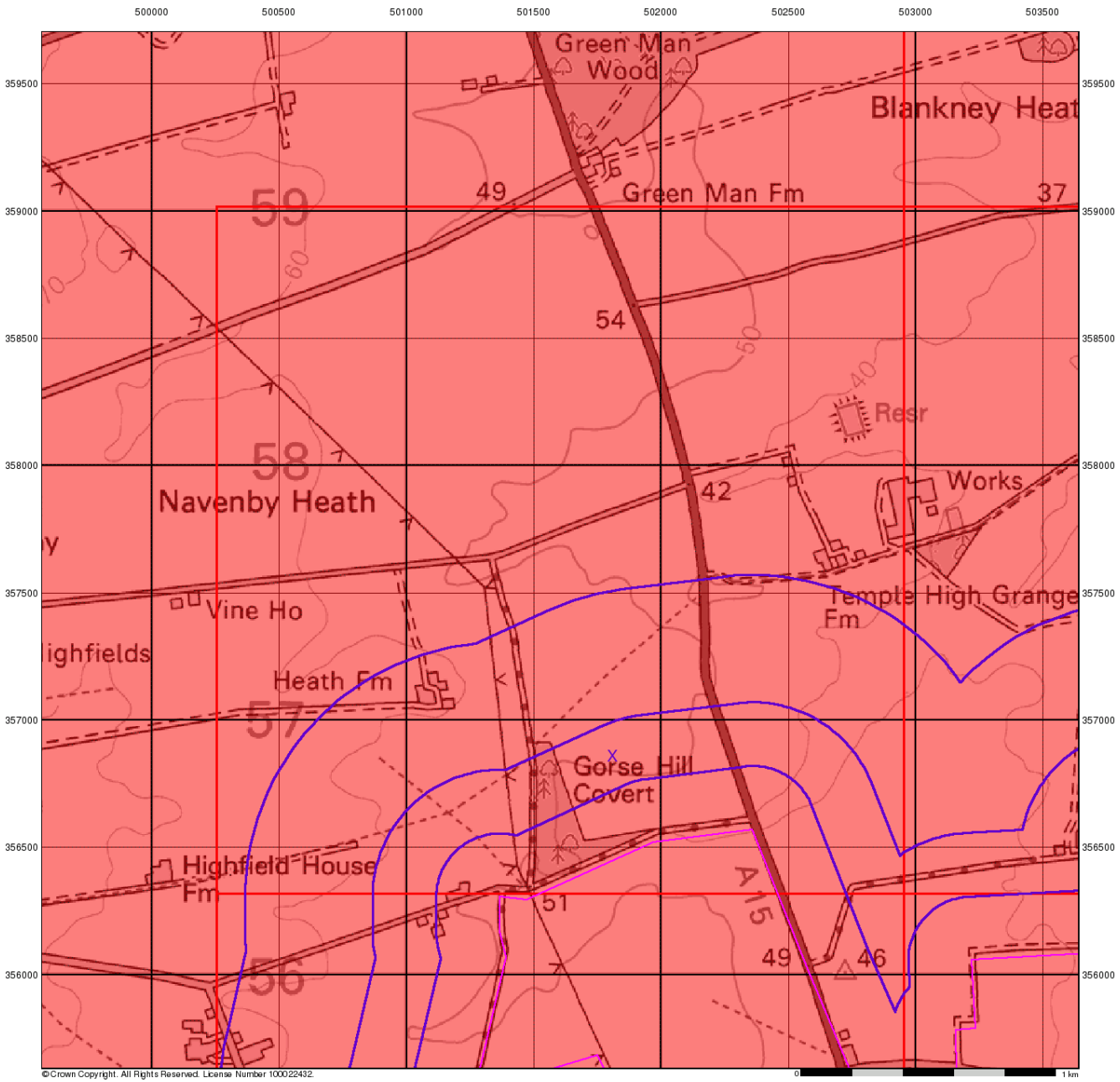
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
5	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

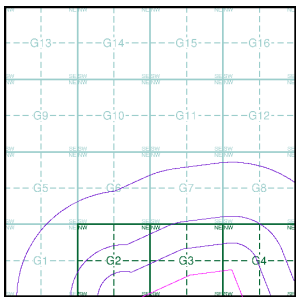
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice G



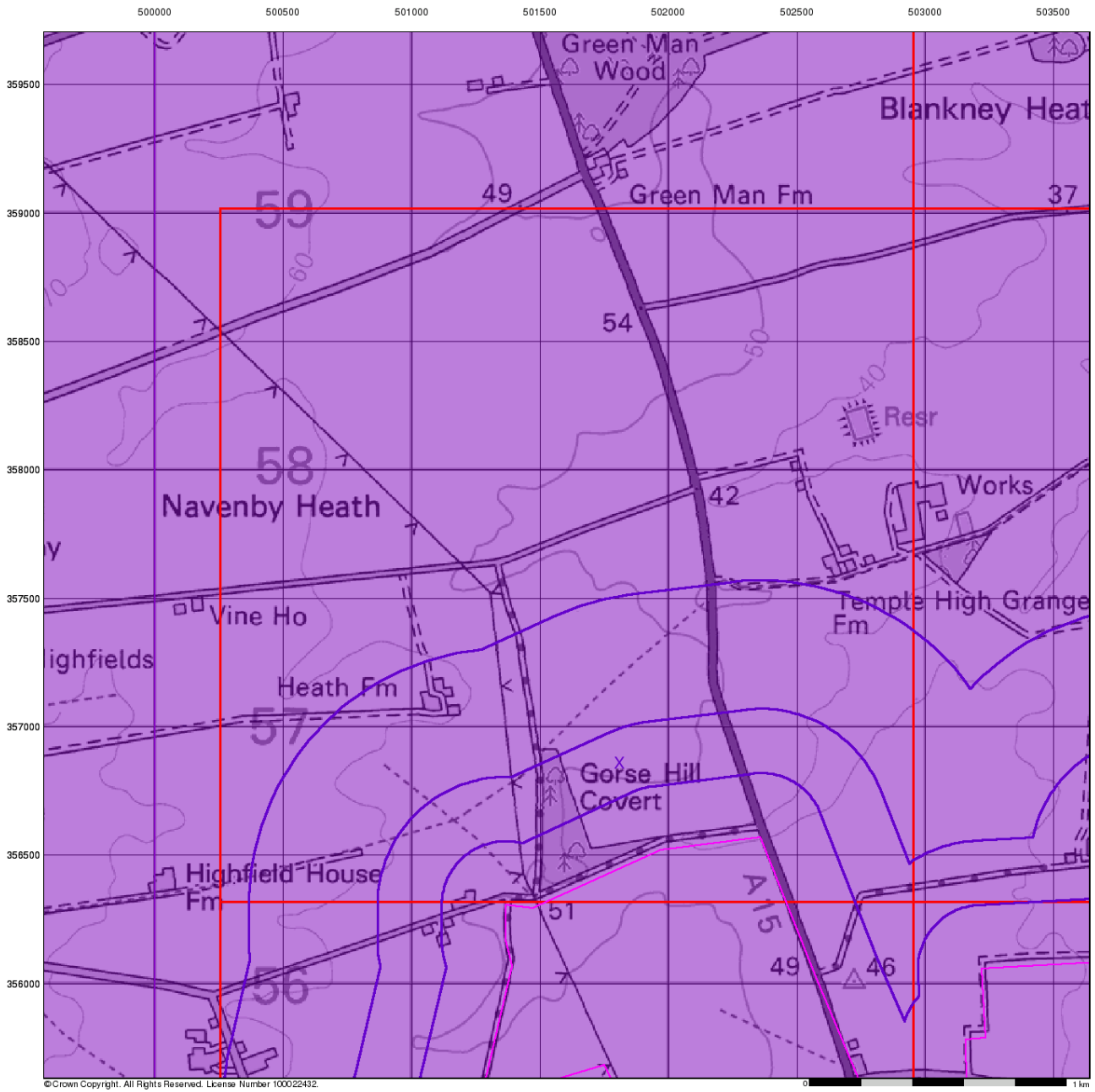
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

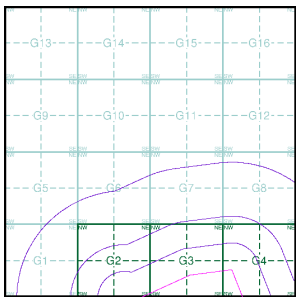
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice G



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Site Details

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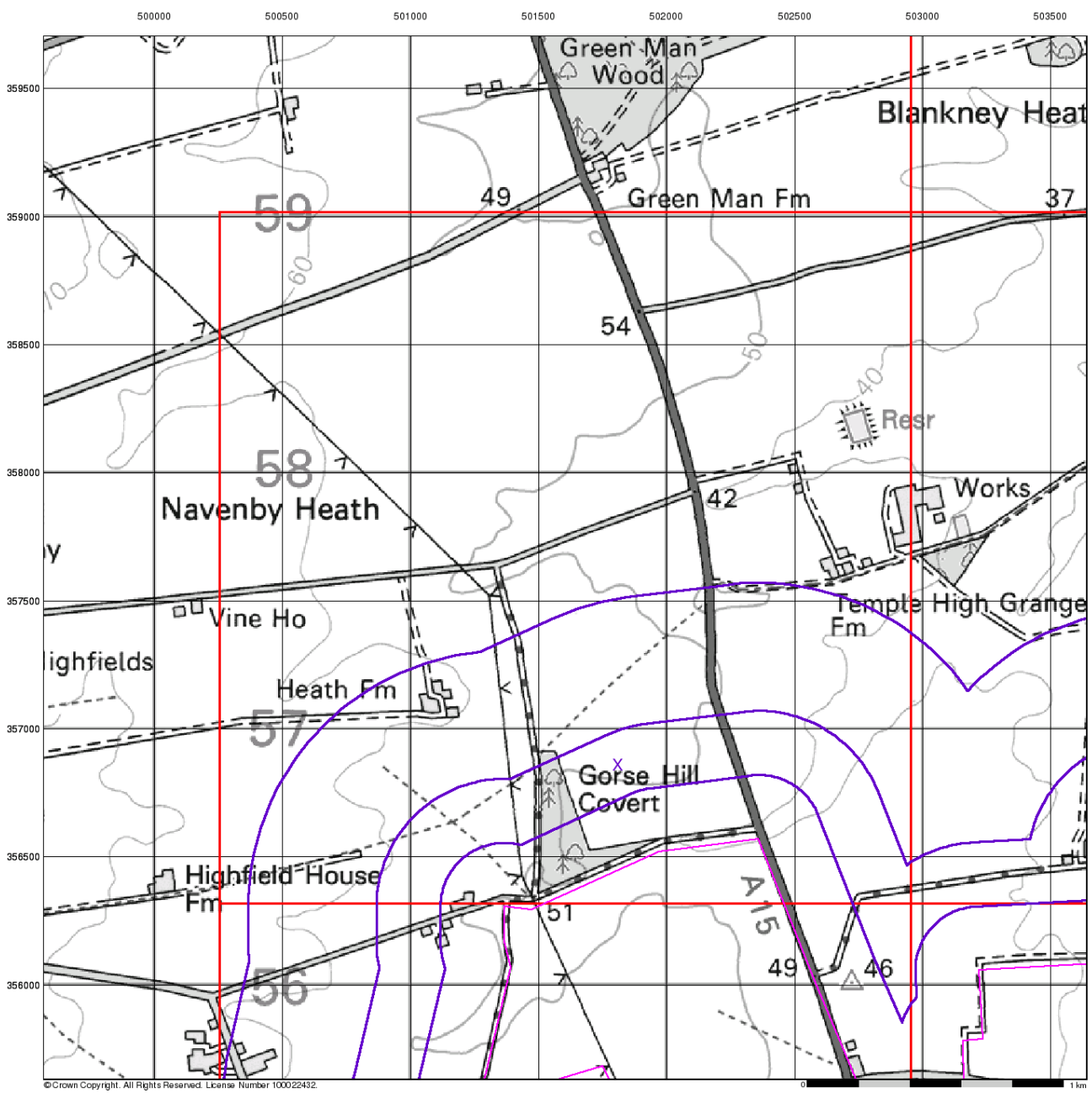


RSK

Superficial Aquifer Designation

General

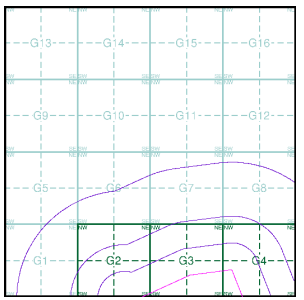
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice G



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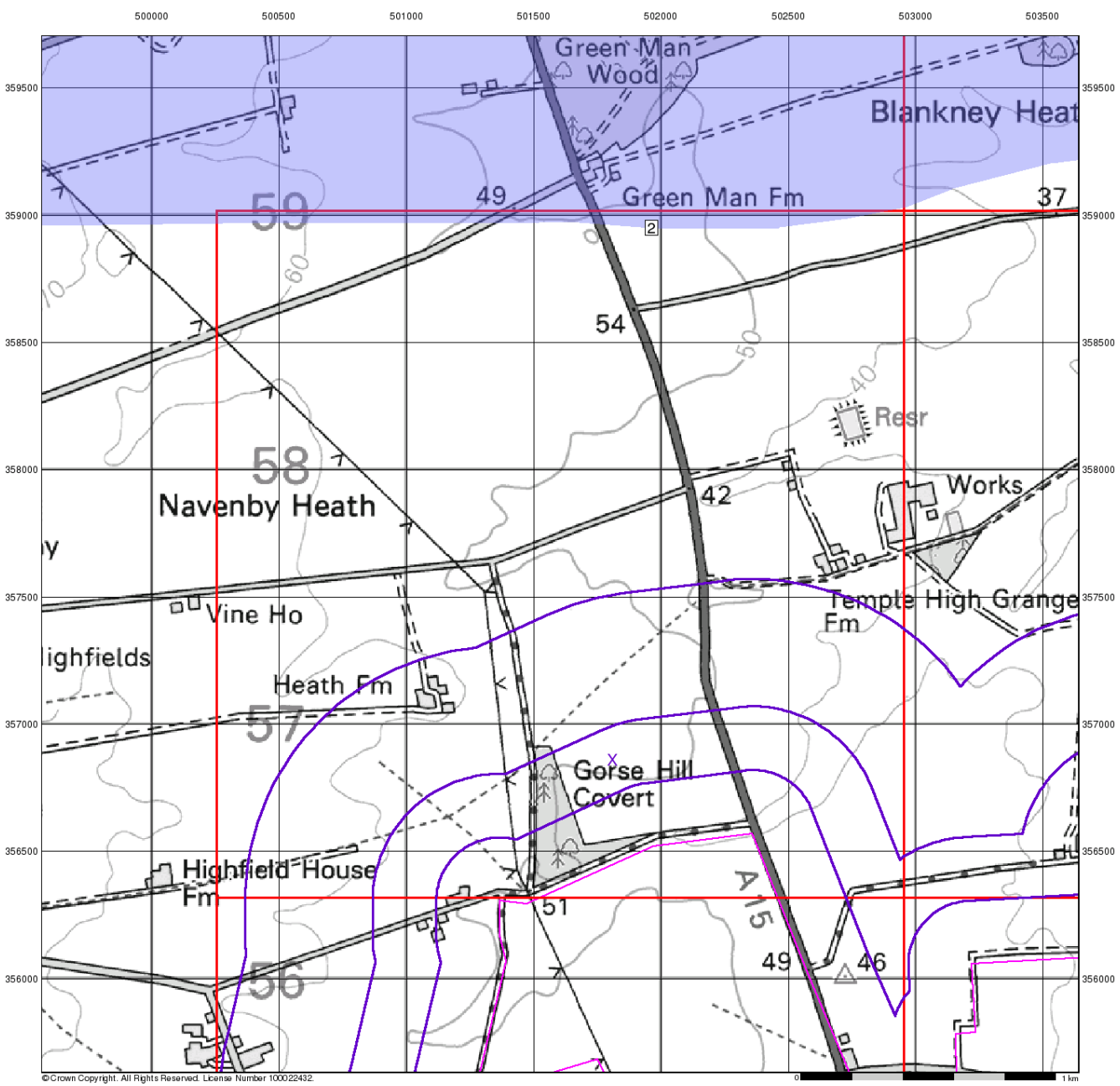


RSK

Source Protection Zones

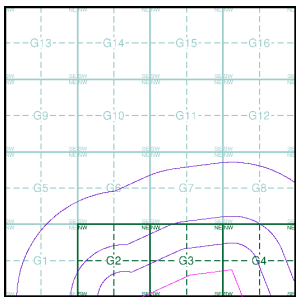
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice G



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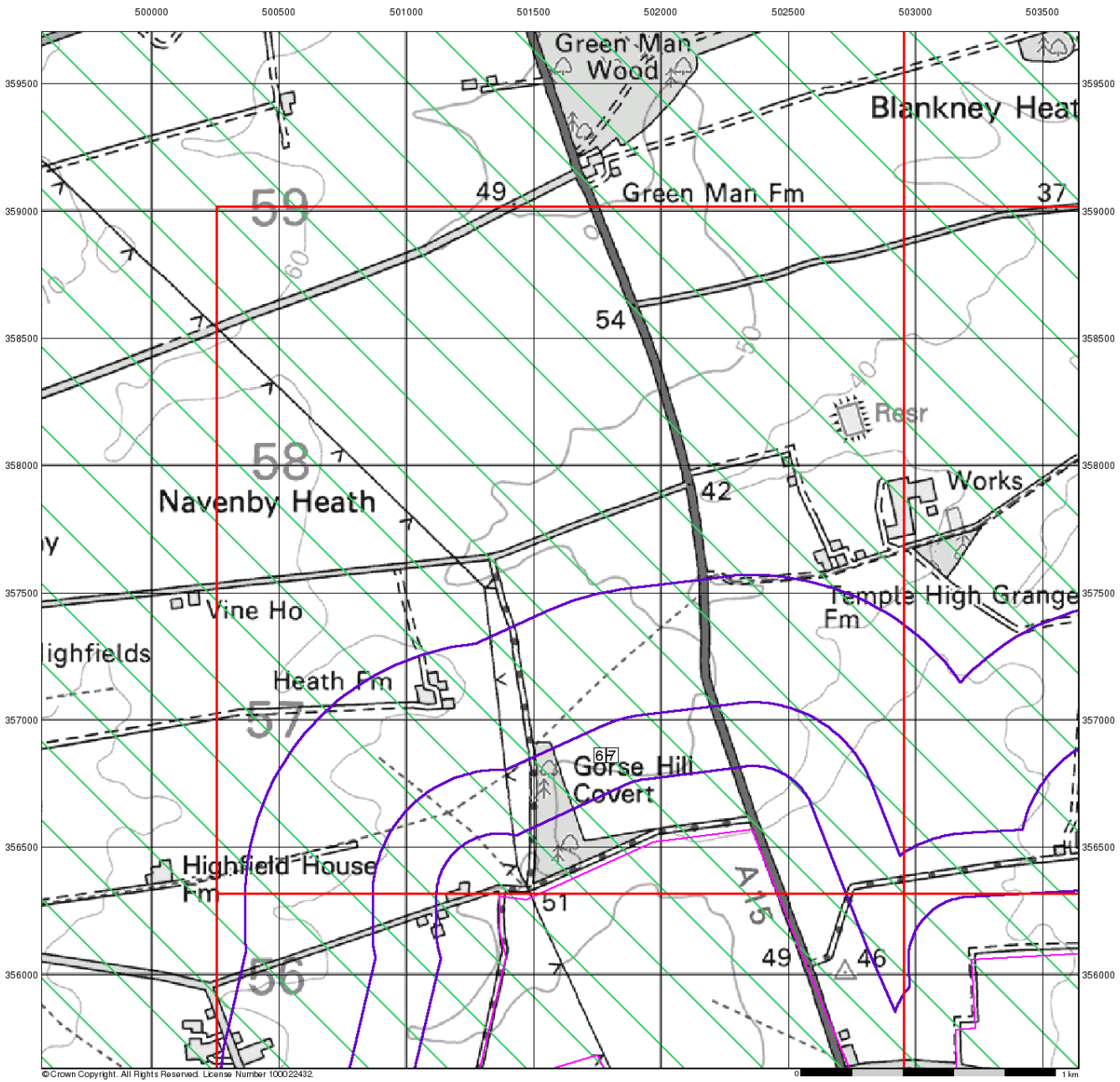


RSK

Sensitive Land Uses

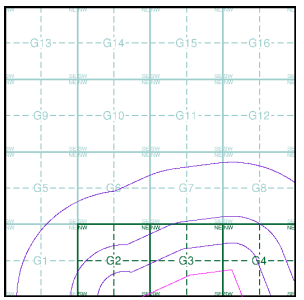
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice G



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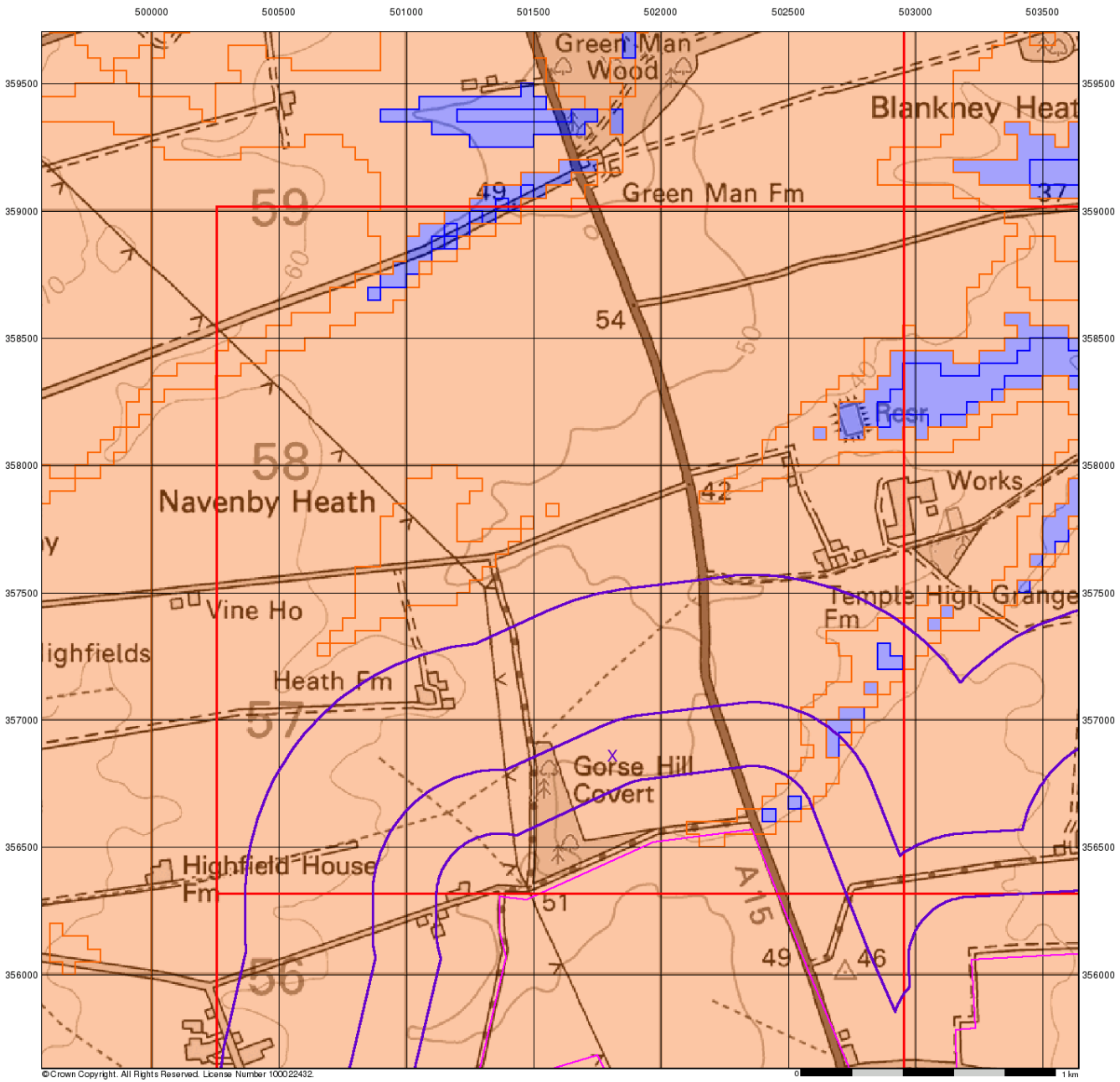


BGS Flood GFS Data

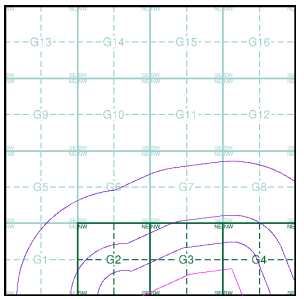
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice G



Order Details

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National Grid Reference:	501810, 356860
Slice:	G
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Site Details

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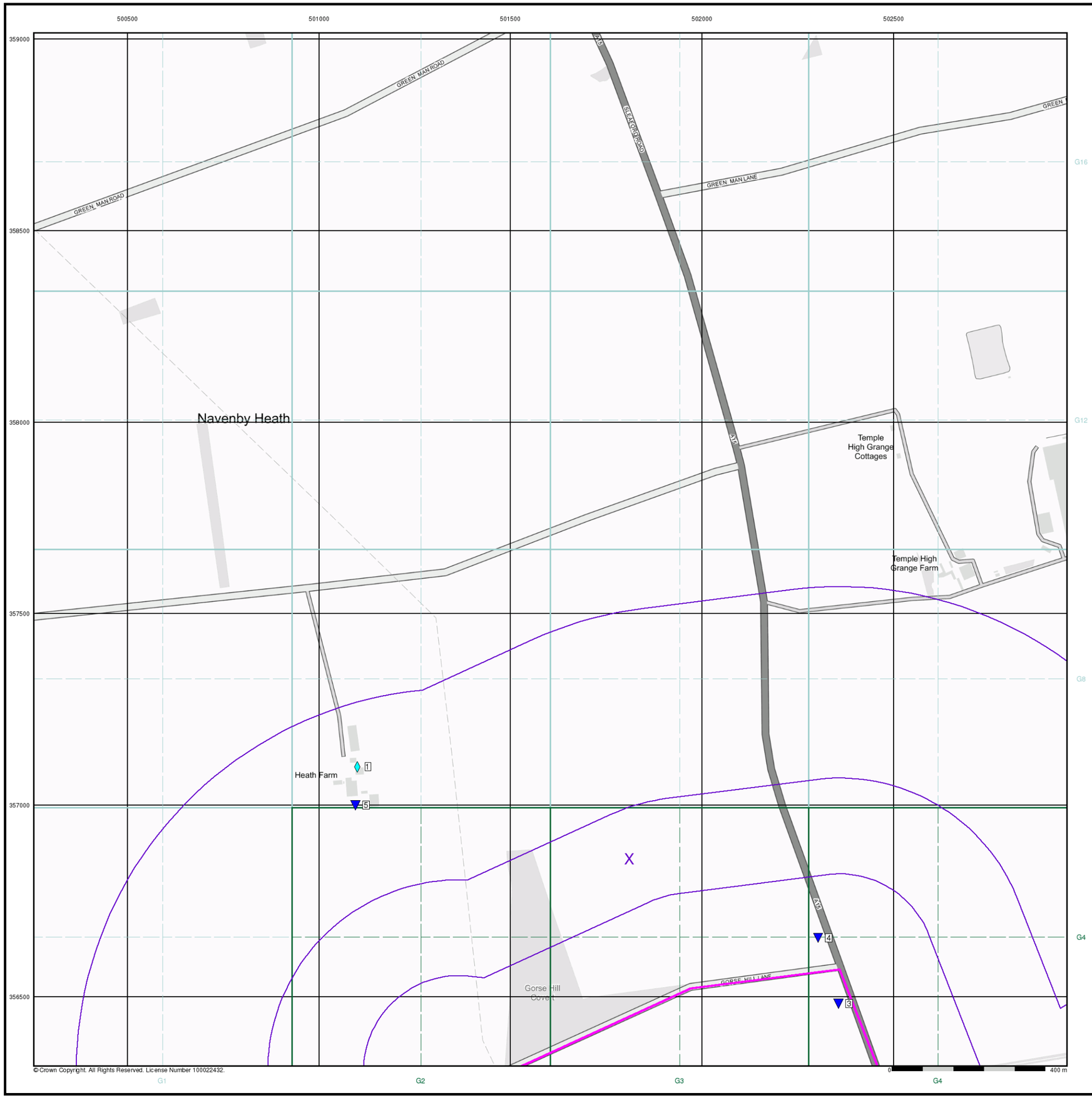

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General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Map ID
Several of Type at Location

Agency and Hydrological

Contaminated Land Register Entry or Notice (Location)
Contaminated Land Register Entry or Notice
Discharge Consent
Enforcement or Prohibition Notice
Integrated Pollution Control
Integrated Pollution Prevention Control
Local Authority Integrated Pollution Prevention and Control
Local Authority Pollution Prevention and Control
Local Authority Pollution Prevention and Control Enforcement
Pollution Incident to Controlled Waters
Prosecution Relating to Authorised Processes
Prosecution Relating to Controlled Waters
Registered Radioactive Substance
River Network or Water Feature
River Quality Sampling Point
Substantiated Pollution Incident Register
Water Abstraction
Water Industry Act Referral

Geological

BGS Recorded Mineral Site

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry

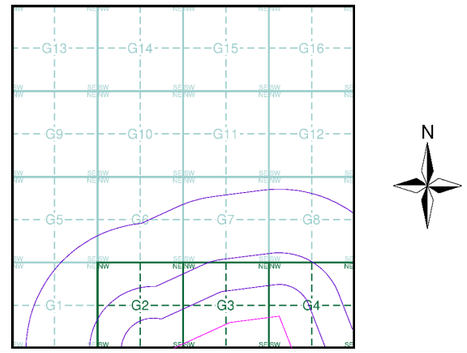
Waste

BGS Recorded Landfill Site (Location)
BGS Recorded Landfill Site
EA Historic Landfill (Buffered Point)
EA Historic Landfill (Polygon)
Integrated Pollution Control Registered Waste Site
Licensed Waste Management Facility (Landfill Boundary)
Licensed Waste Management Facility (Location)
Local Authority Recorded Landfill Site (Location)
Local Authority Recorded Landfill Site
Registered Landfill Site
Registered Landfill Site (Location)
Registered Landfill Site (Point Buffered to 100m)
Registered Landfill Site (Point Buffered to 250m)
Registered Waste Transfer Site (Location)
Registered Waste Transfer Site
Registered Waste Treatment or Disposal Site (Location)
Registered Waste Treatment or Disposal Site

Hazardous Substances

COMAH Site
Explosive Site
NIHHS Site
Planning Hazardous Substance Consent
Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice G



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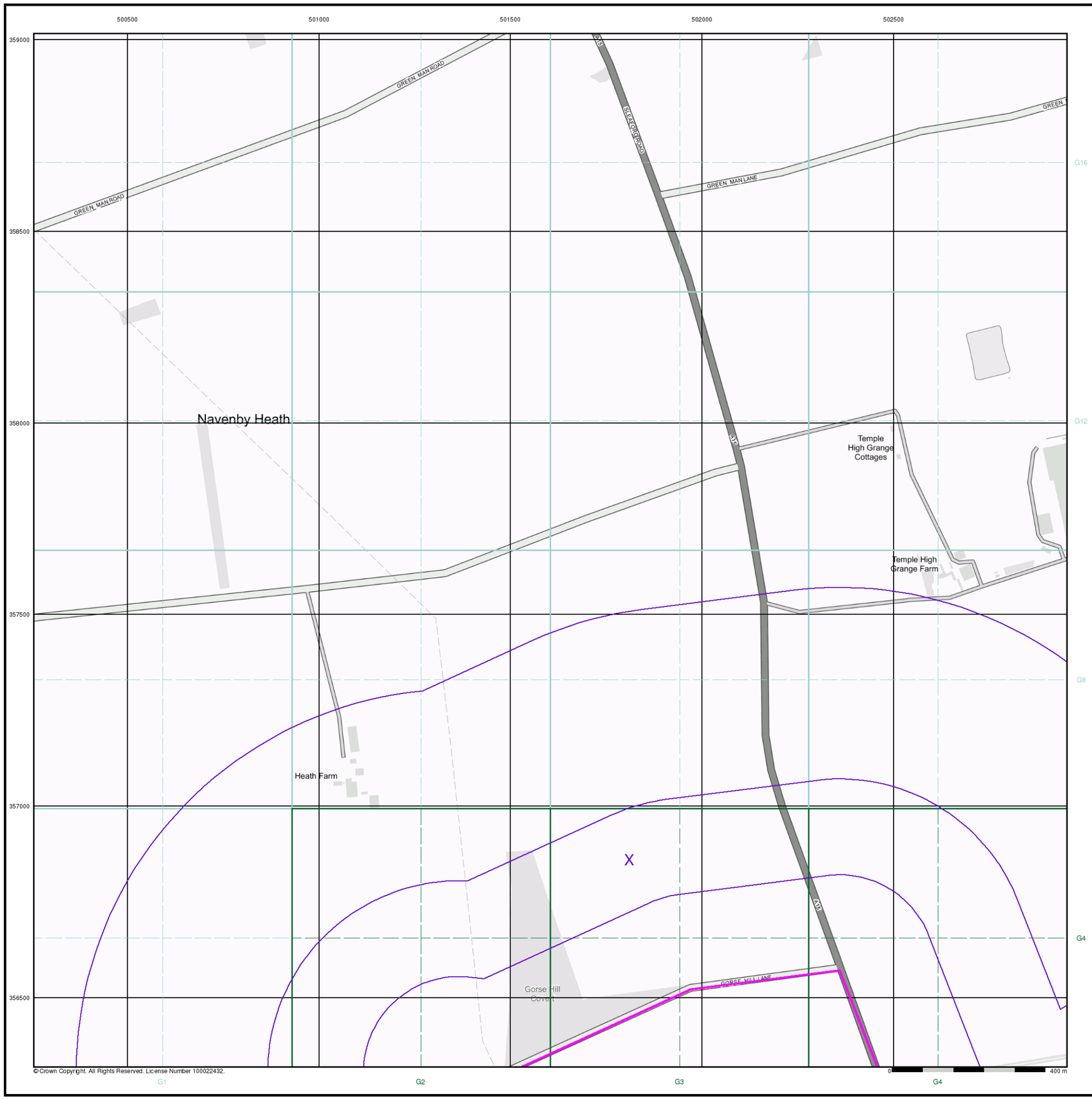

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Industrial Land Use Map

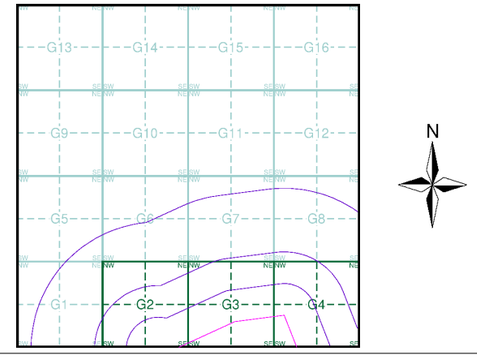
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice G



Order Details

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Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

500500 501000 501500 502000 502500

359000 358500 358000 357500 357000 356500

G16 G12 G8 G4

GREEN MAN ROAD

GREEN MAN ROAD

GREEN MAN LANE

GREEN

SLEAFORD ROAD

A15

A15

Navenby Heath

Temple High Grange Cottages

Temple High Grange Farm

Heath Farm

Gorse Hill Covert

GORSE HILL LANE

X

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0 400 m

G1 G2 G3 G4

RSK

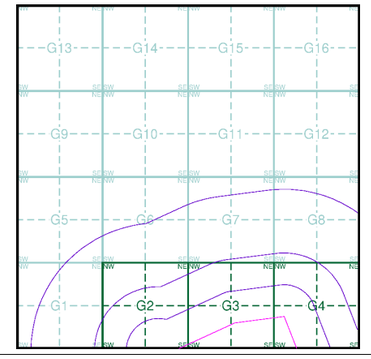
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice G



Order Details

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Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP

Tel: 0844 844 9952
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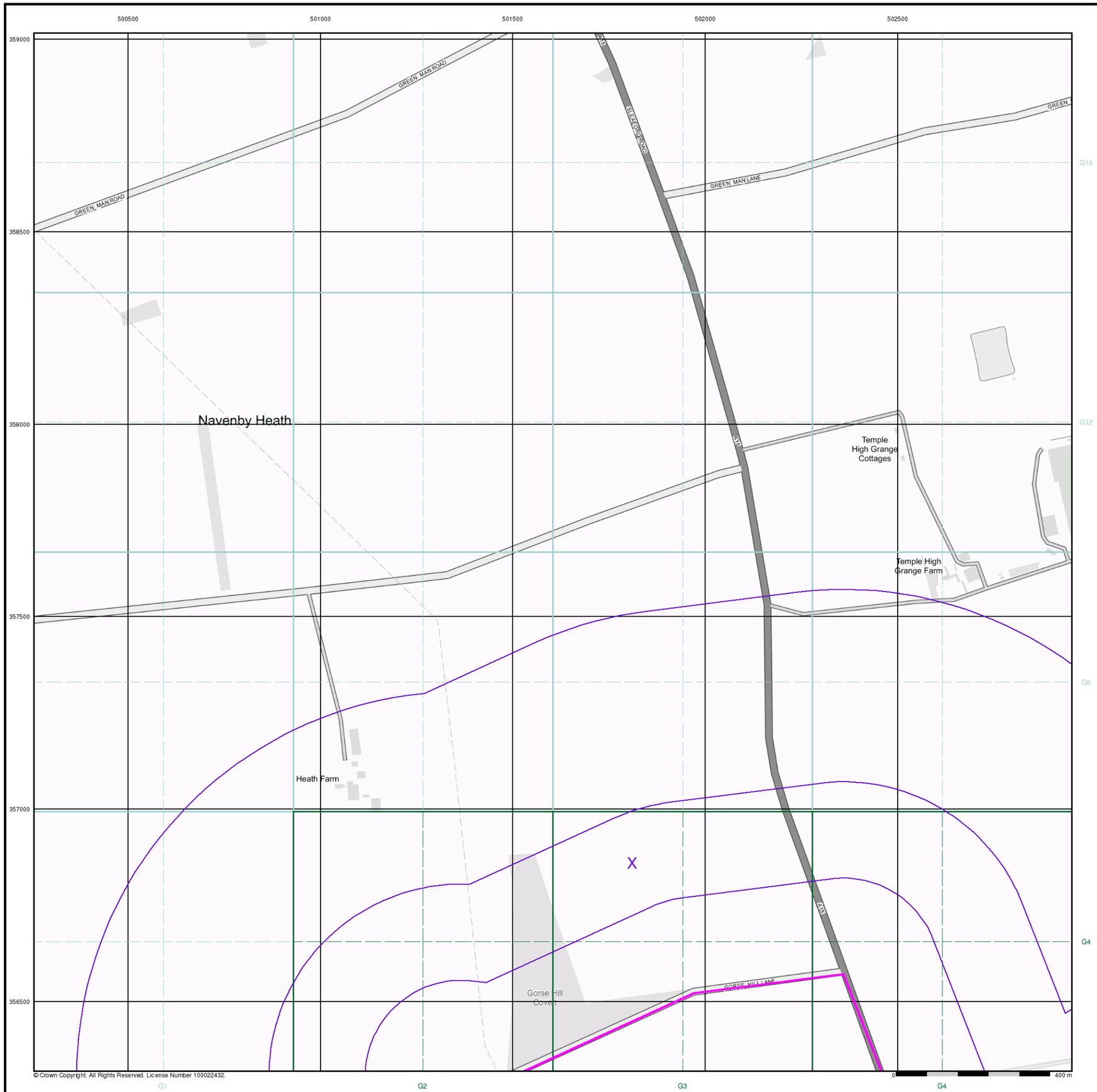
Web: www.envirocheck.co.uk



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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

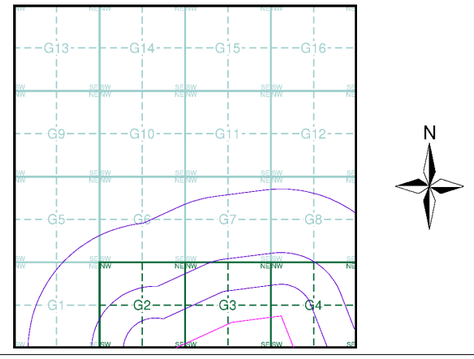
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice G

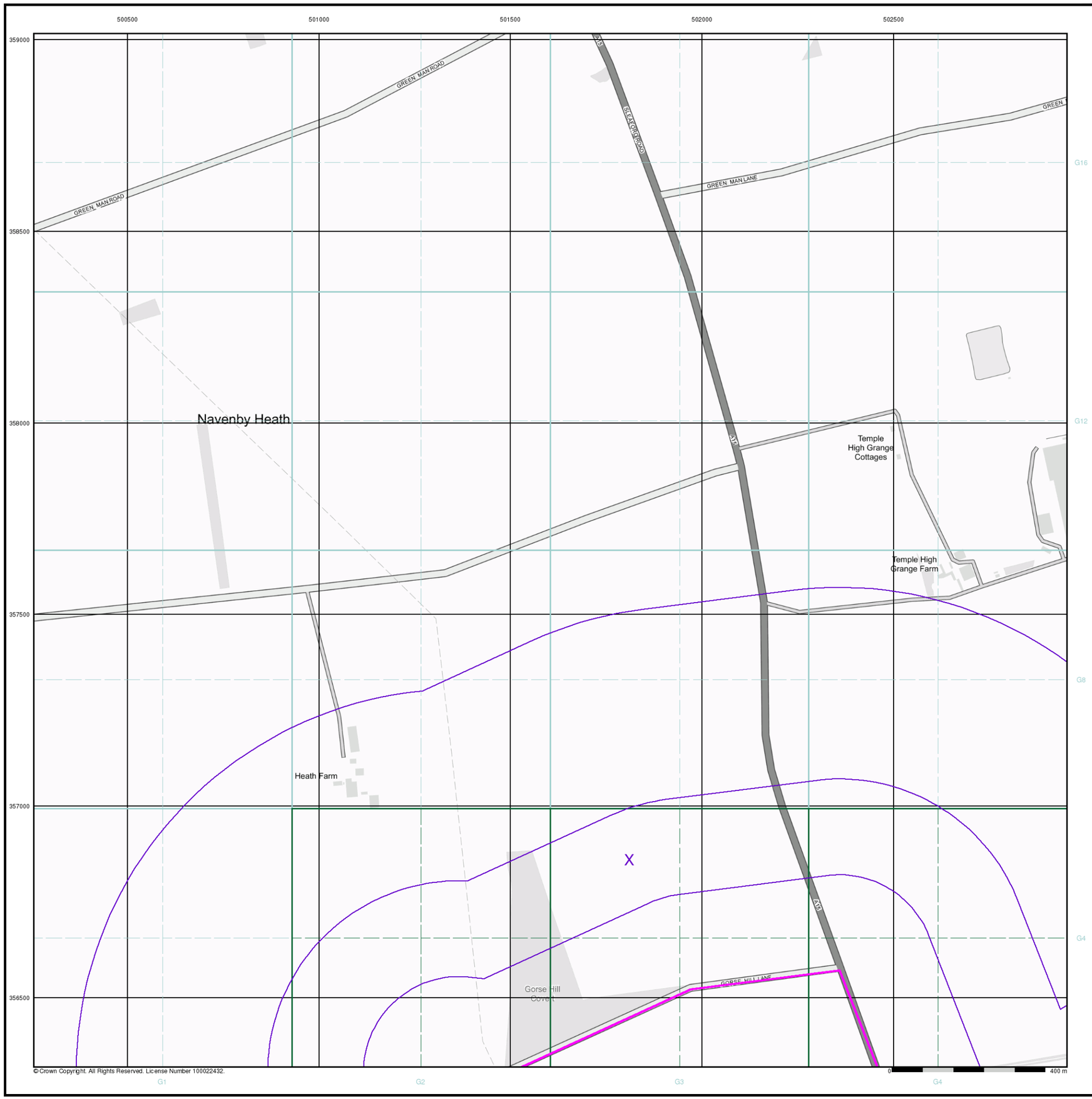


Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New



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RSK

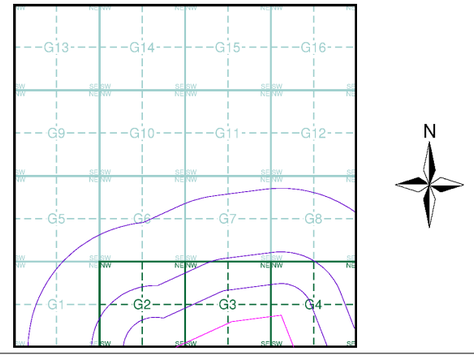
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice G



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Site Details

All Areas New

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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
501810, 356860

Slice:
G

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	-
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	2
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	3
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	4
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	5
Data Suppliers	6
Useful Contacts	7

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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1	1	1		1
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 2	1	1		
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 2				1
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 2	1	1		1
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 3	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 3	Yes		n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Scopwick Heath Location: Scopwick Heath, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136050 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	G4SW (SE)	0	1	502356 356486
2	**BGS Recorded Mineral Sites** Site Name: Scopwick Heath Location: Scopwick Heath, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136051 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	G4NW (E)	94	1	502303 356658
3	**BGS Recorded Mineral Sites** Site Name: Glebe Farm Gravel Pit Location: Wellingore, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134881 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	G6SW (W)	751	1	501095 357004
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	G4SW (SE)	0	-	502315 356512
5	**General Quarrying** Use: Not Supplied Date of Mapping: 1891 - 1956	G4NW (SE)	56	-	502284 356663
6	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1890	G6SW (W)	739	-	501105 357000
7	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	G4SW (SE)	0	-	502315 356512
8	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	G4NW (SE)	56	-	502284 356663
9	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	G6SW (W)	739	-	501105 357000

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
10	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
11	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
12	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	G3NW (S)	0	1	501805 356729
13	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	G3NW (SW)	0	1	501811 356860

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0056	1979
Ordnance Survey Plan	TF0156	1979
Ordnance Survey Plan	TF0156	1979
Ordnance Survey Plan	TF0256	1980
Ordnance Survey Plan	TF0256	1980

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	086_NE	1890
Lincolnshire	086_SE	1890
Lincolnshire	087_NW	1891
Lincolnshire	087_SW	1891
Lincolnshire	086_NE	1906
Lincolnshire	086_SE	1906
Lincolnshire	087_NW	1906
Lincolnshire	087_SW	1906
Lincolnshire	086_SE	1947
Lincolnshire	087_NW	1947
Lincolnshire	086_NE	1948
Lincolnshire	087_SW	1951
Ordnance Survey Plan	TF05NW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF05NW	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

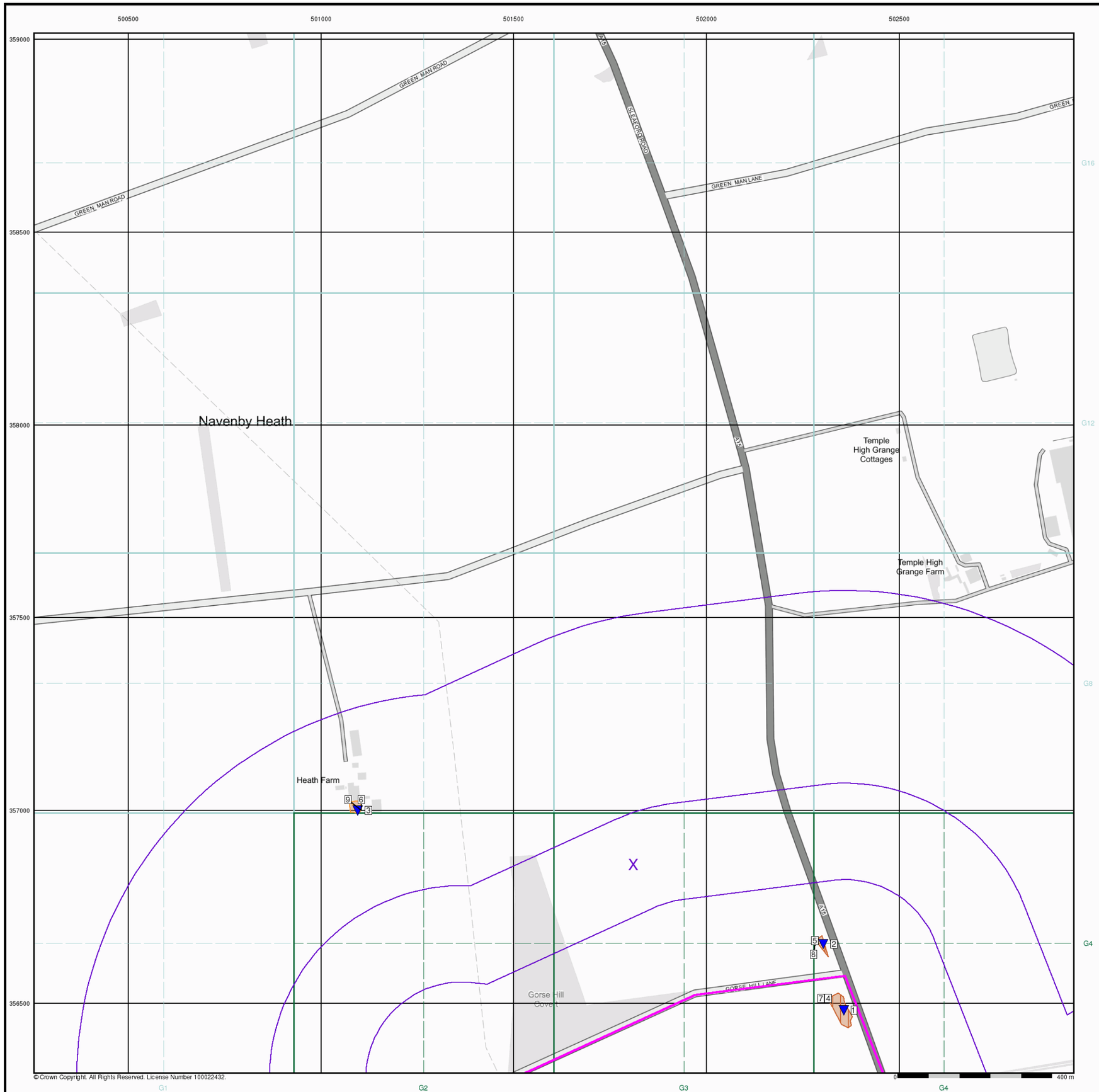
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts			
Disturbed Ground			
General Quarrying			
Heap, unknown constituents			
Mineral Railway			
Mining and Quarrying General			
Mining of Coal & Lignite			
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits			

Historical Land Use

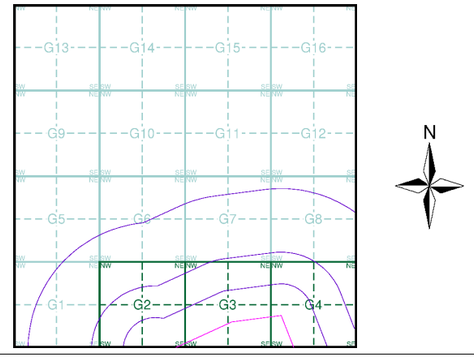
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)			
Potentially Infilled Land (Water)			
Former Marsh			

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice G



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All Areas New

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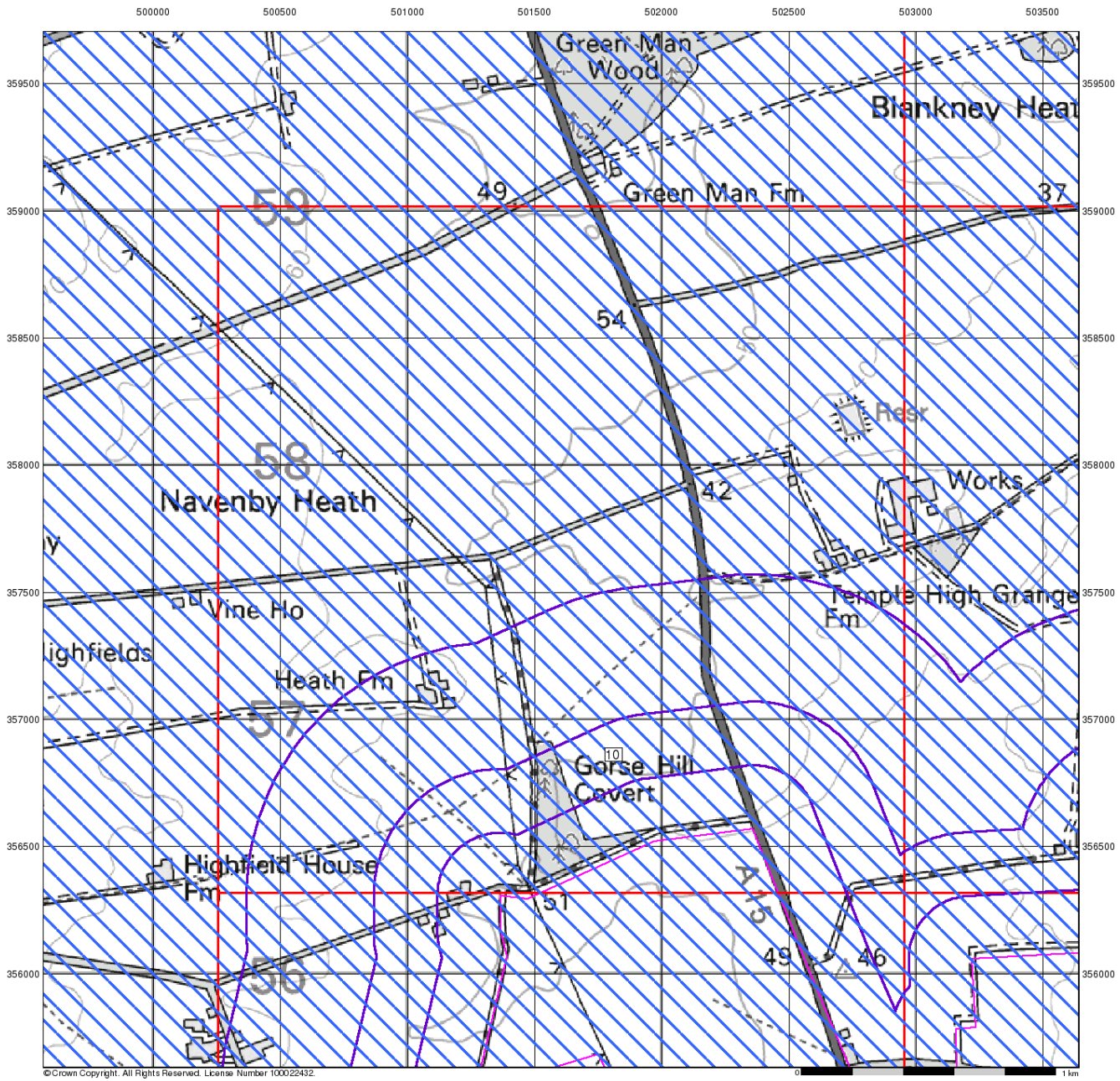

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

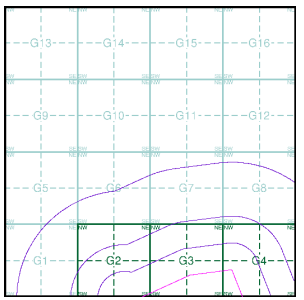
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice G



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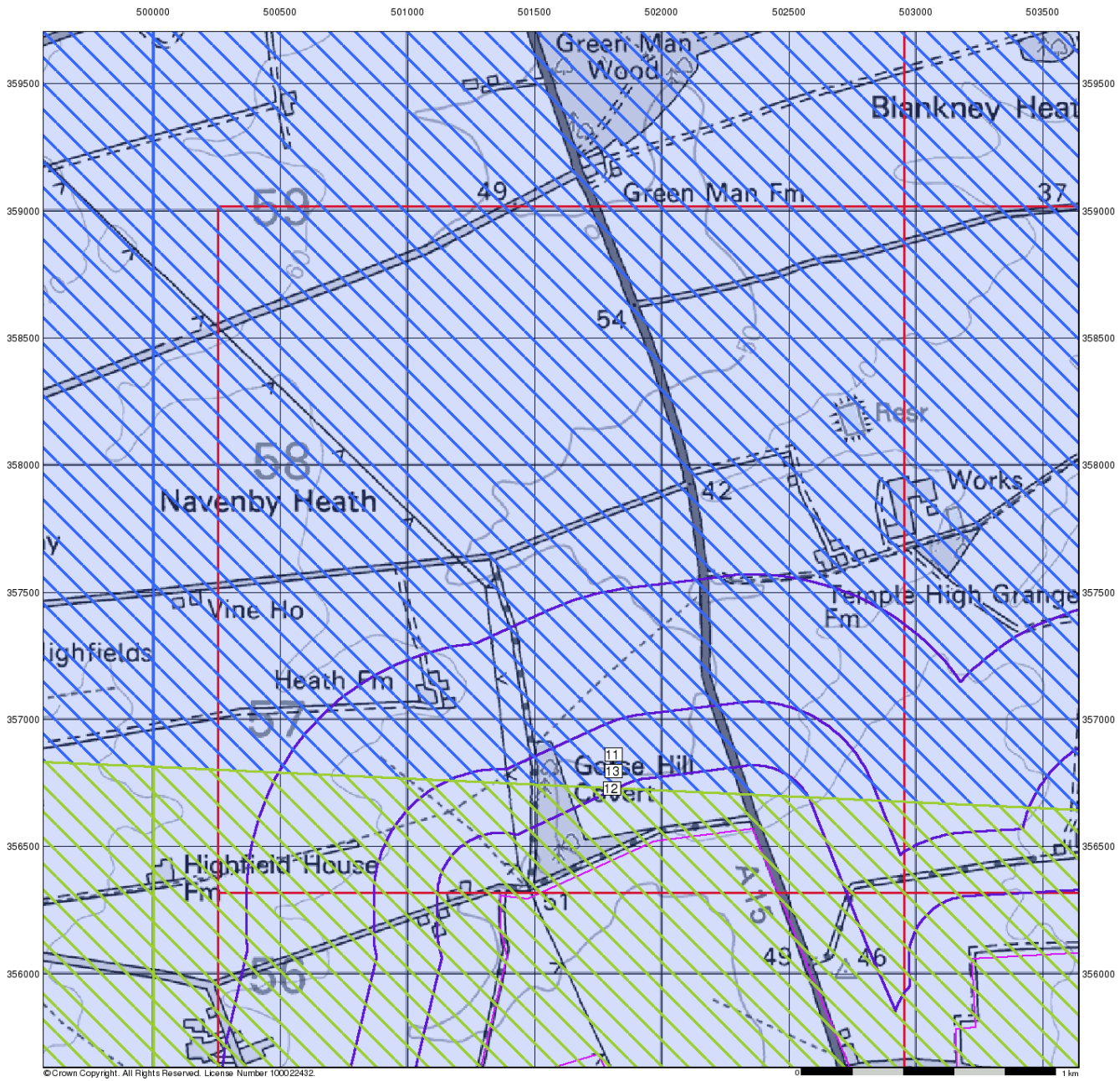

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

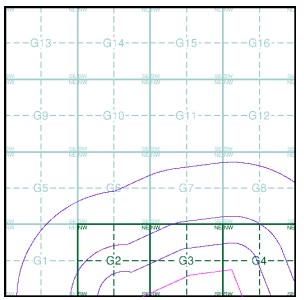
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice G



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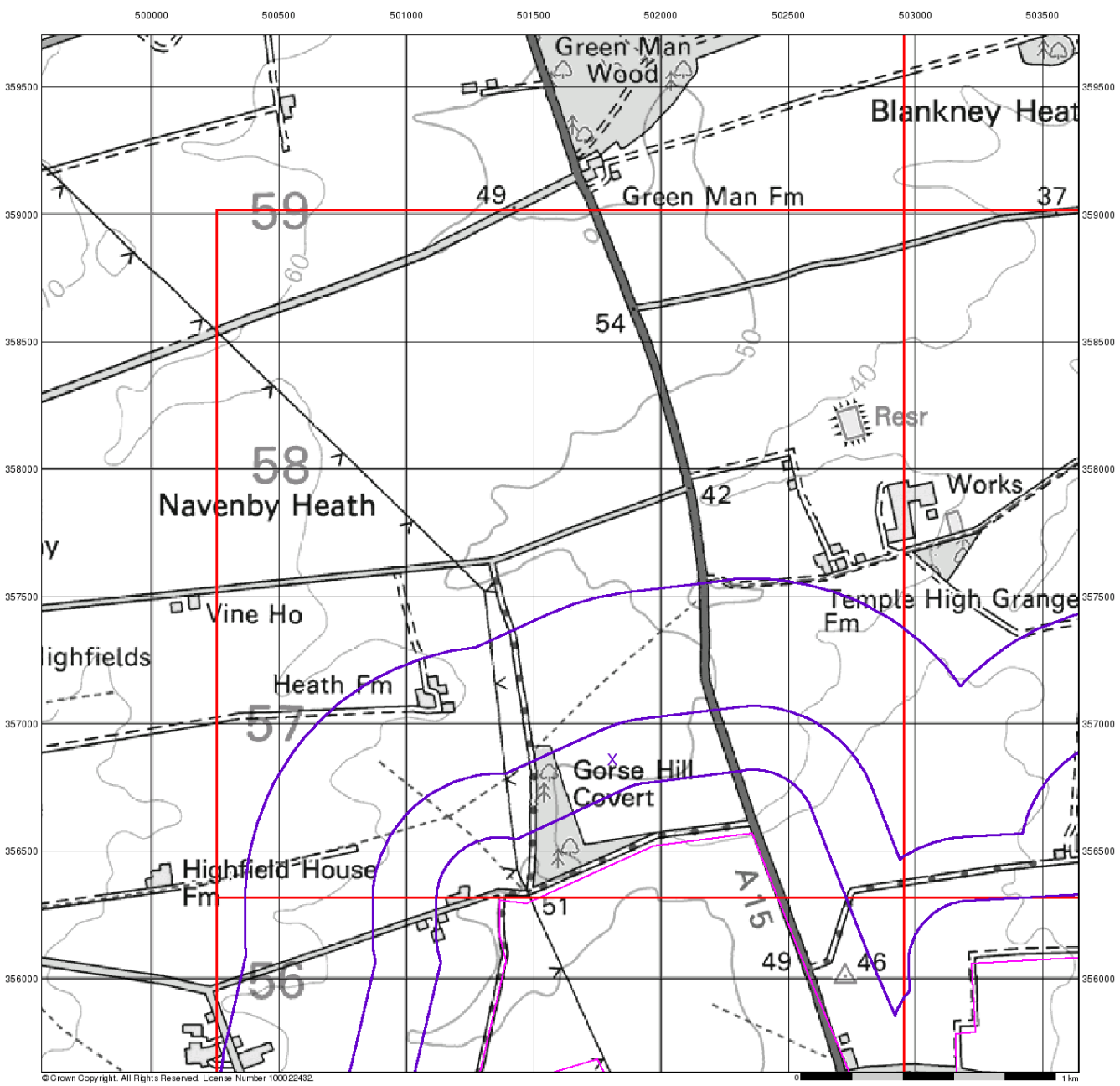

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

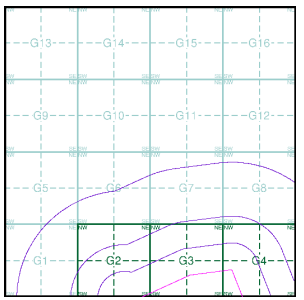
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice G



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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

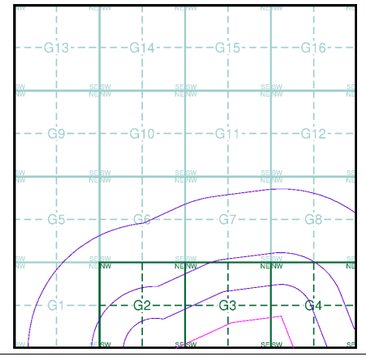
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1947 - 1951	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1985	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice G



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 501810, 356860
Slice: G
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

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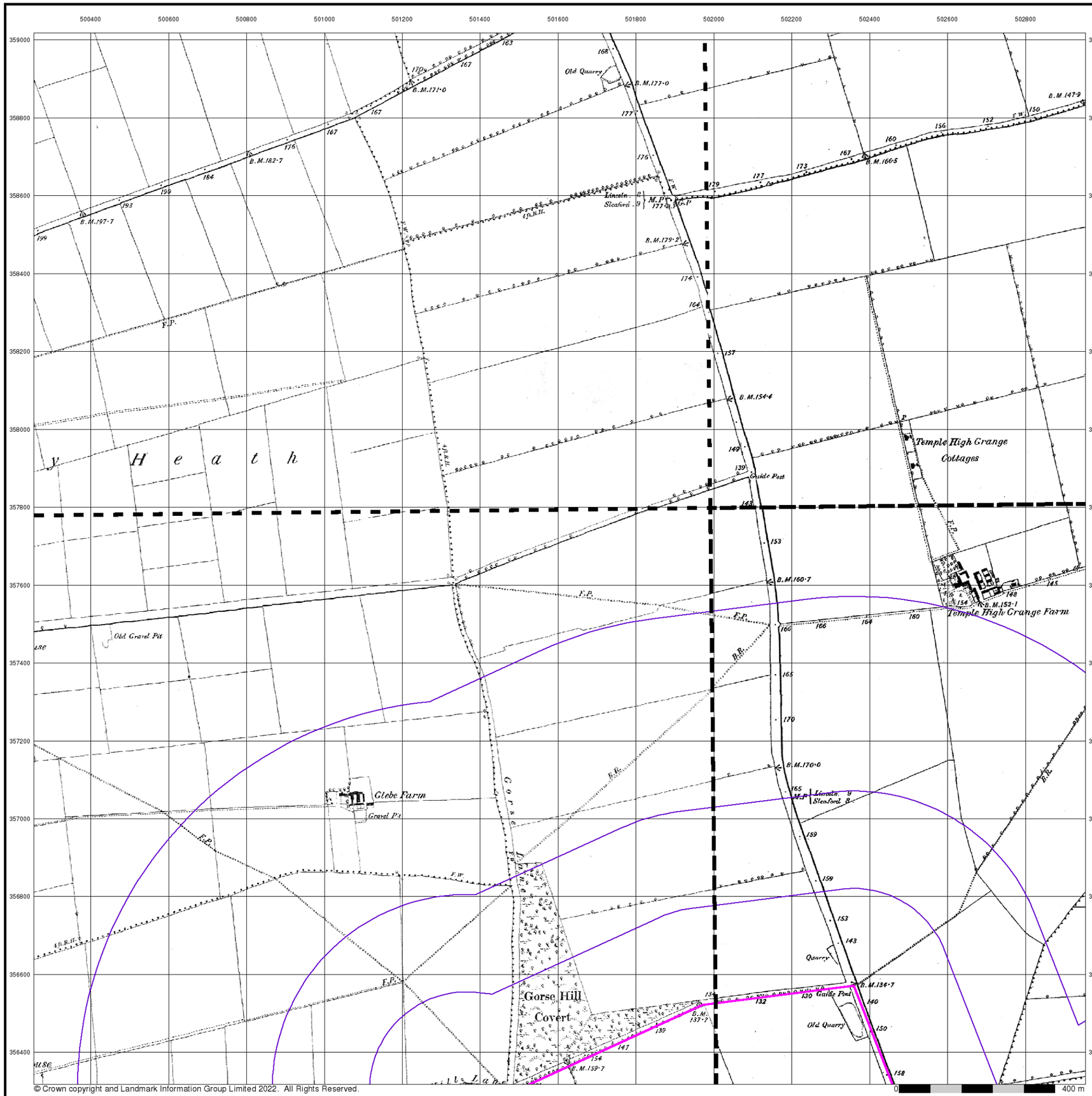
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1887

Source map scale - 1:10,560

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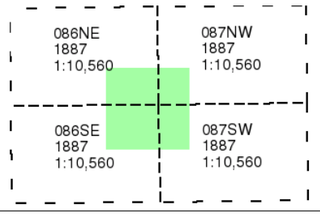
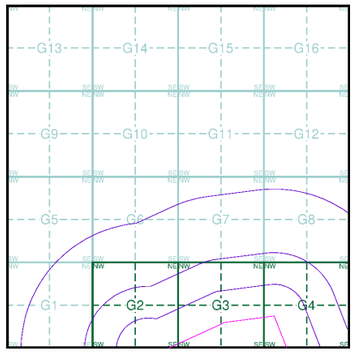
Map Name(s) and Date(s)



Historical Map - Slice G



Order Details

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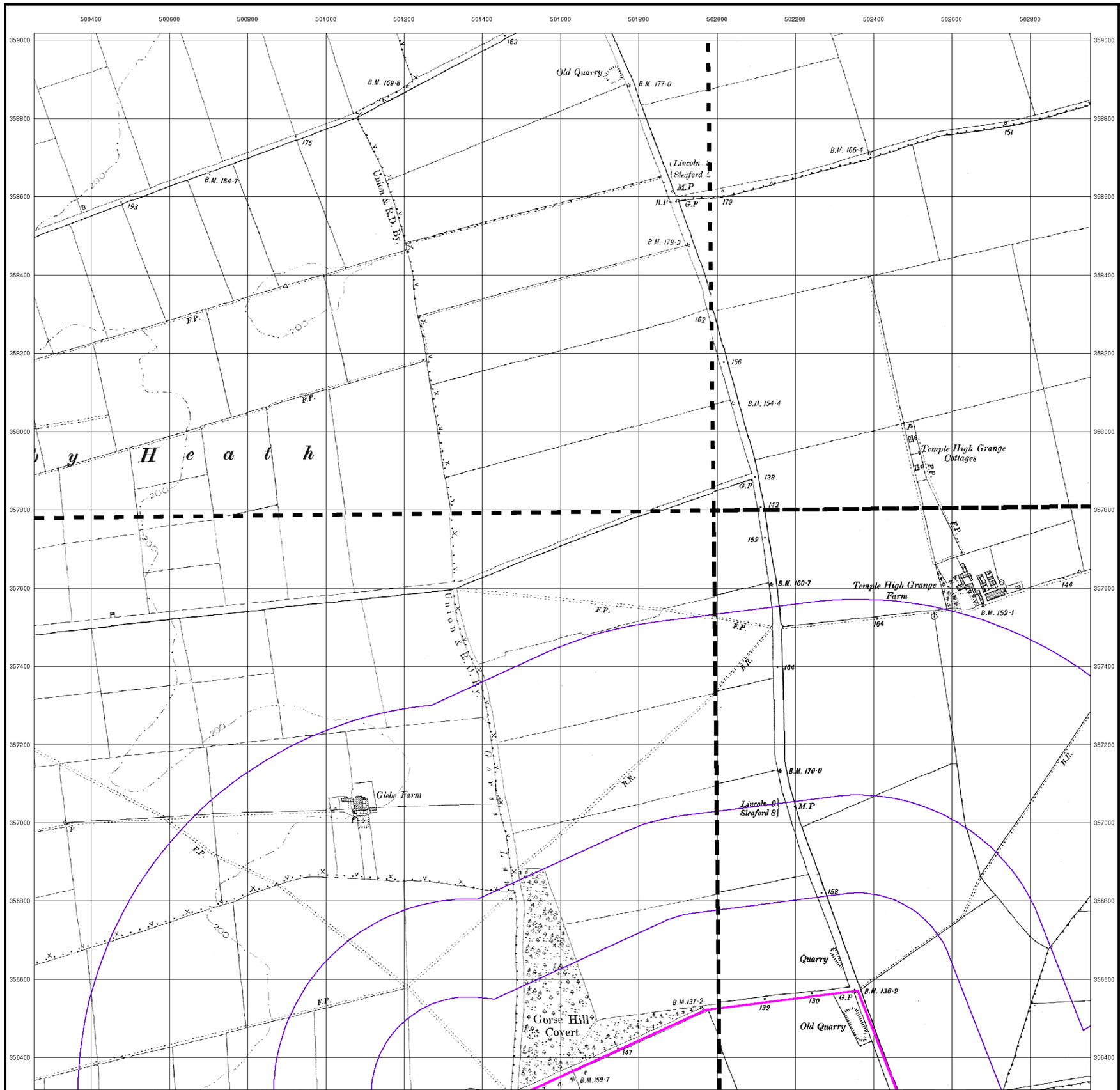

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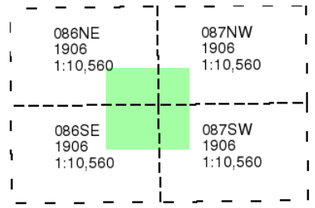
Lincolnshire

Published 1906

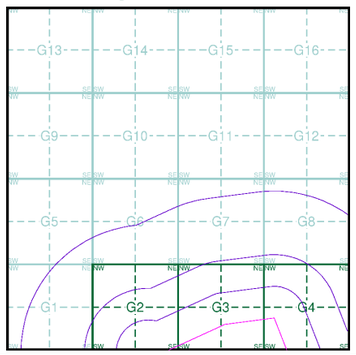
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice G



Order Details

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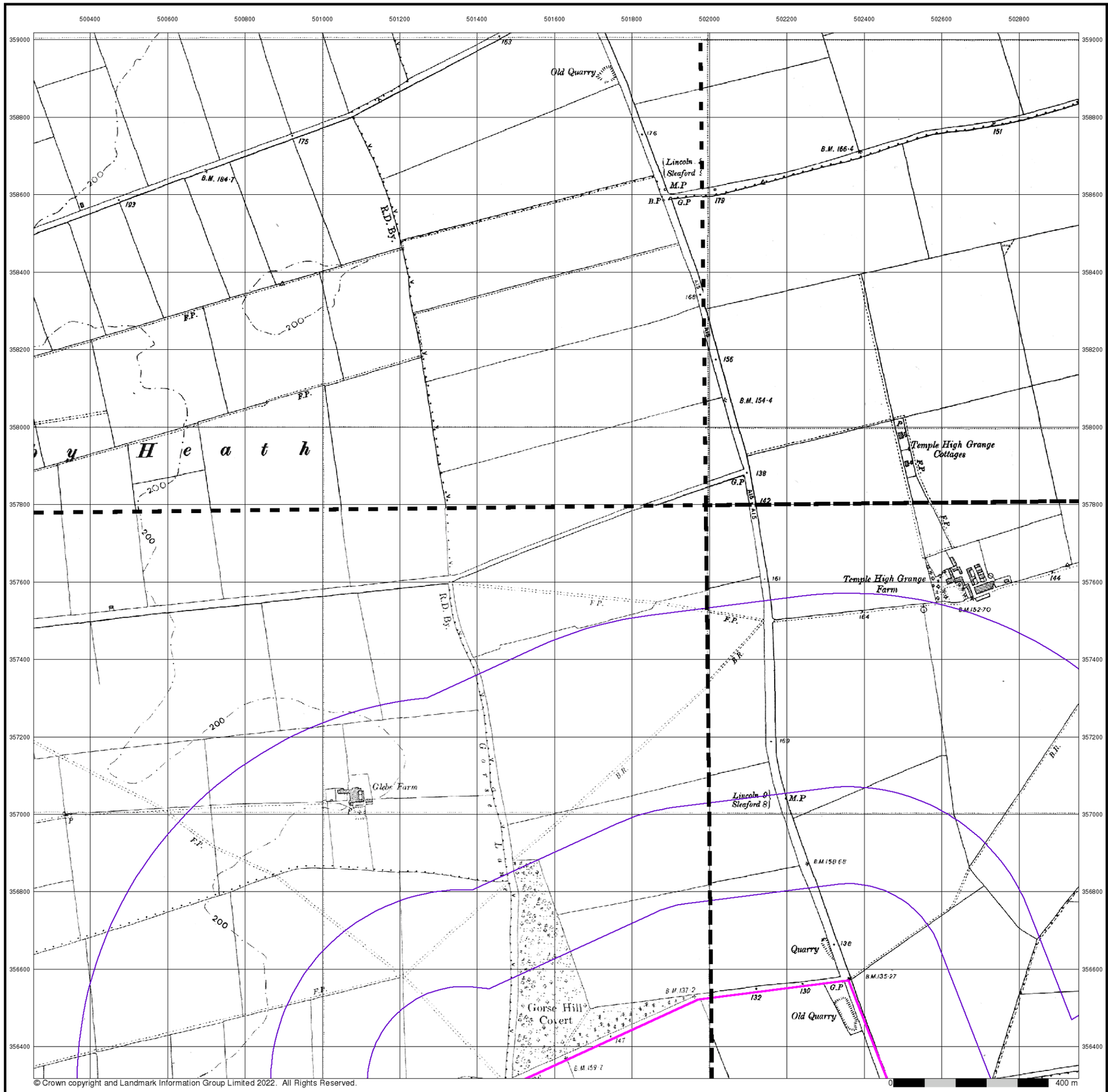
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New



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Lincolnshire

Published 1947 - 1951

Source map scale - 1:10,560

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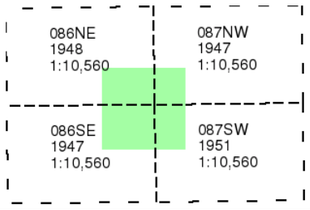
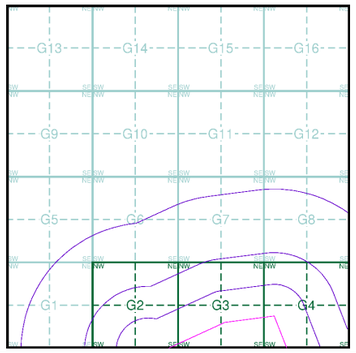
Map Name(s) and Date(s)



Historical Map - Slice G



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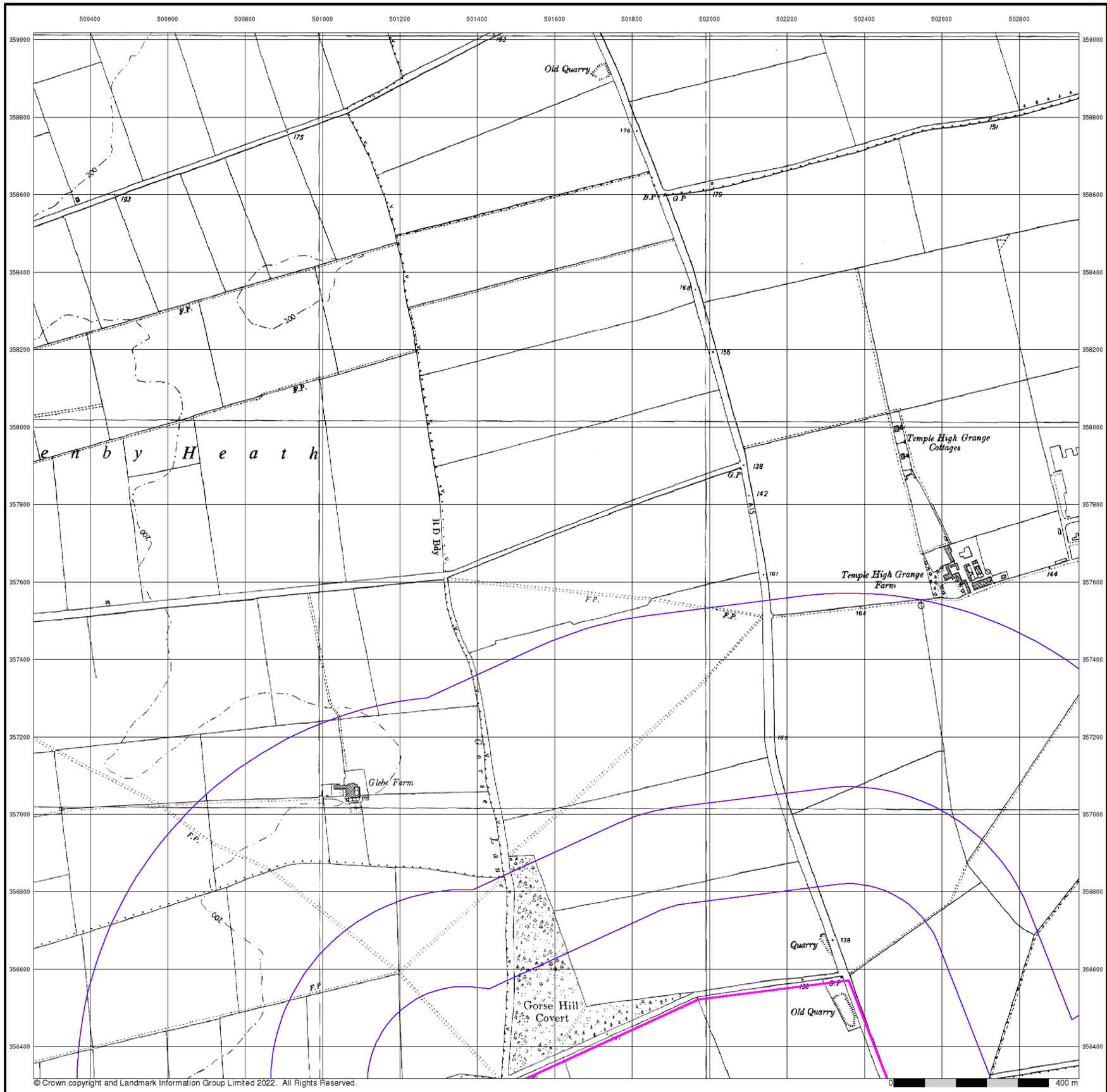

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Ordnance Survey Plan

Published 1956

Source map scale - 1:10,000

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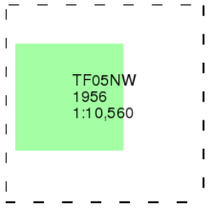
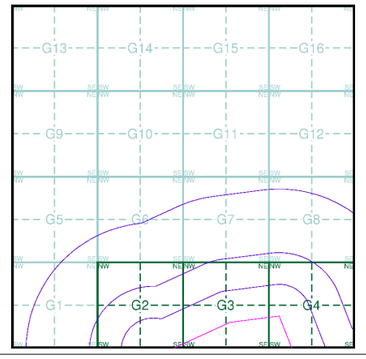
Map Name(s) and Date(s)



Historical Map - Slice G



Order Details

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National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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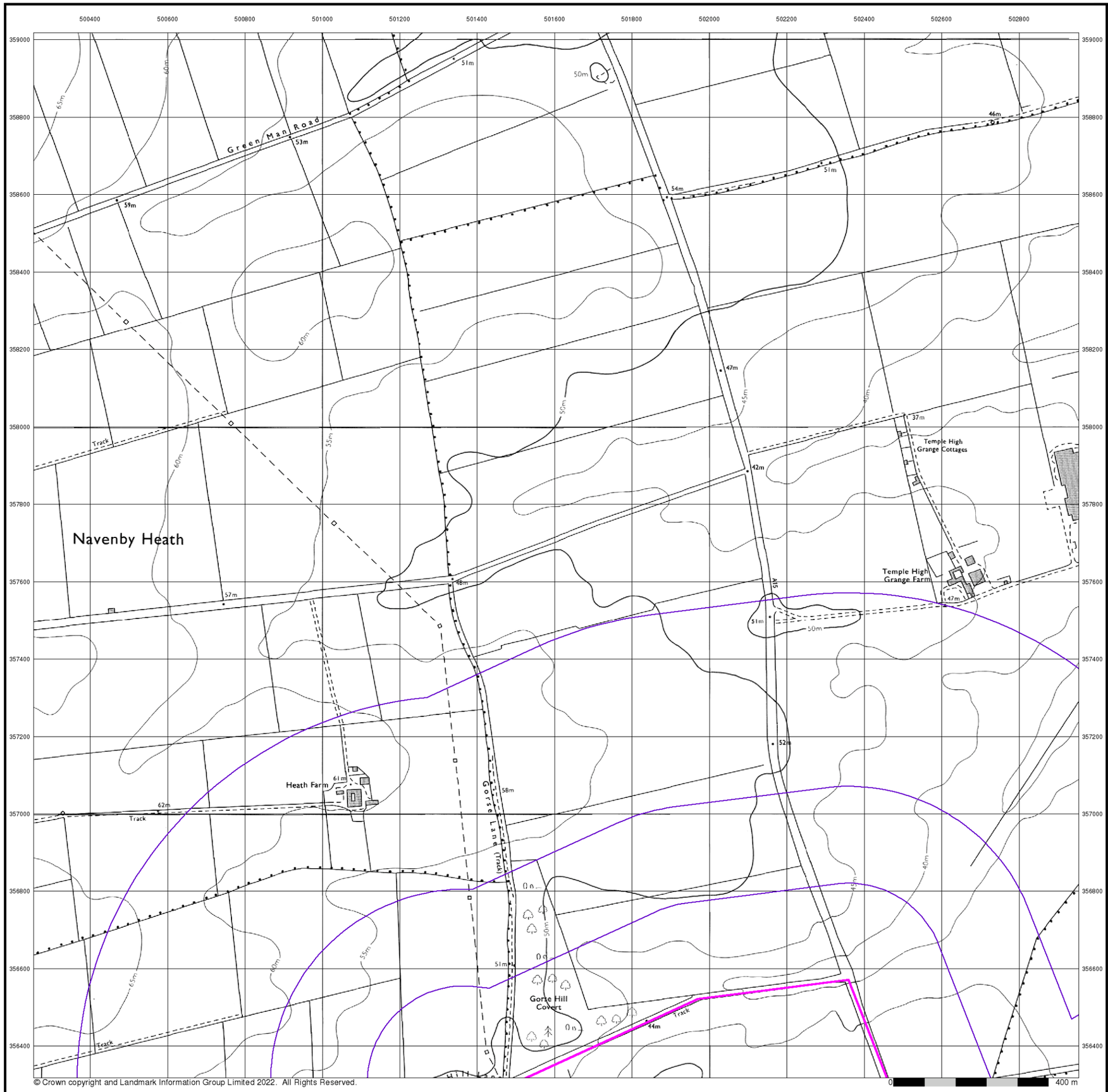

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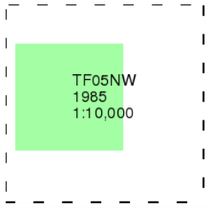
Ordnance Survey Plan

Published 1985

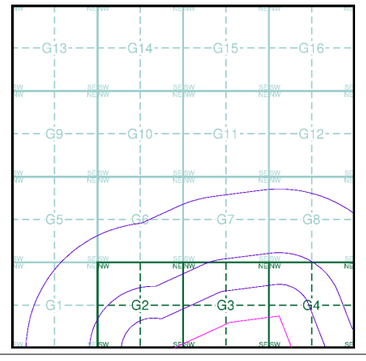
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice G



Order Details

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Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
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Site Details

All Areas New

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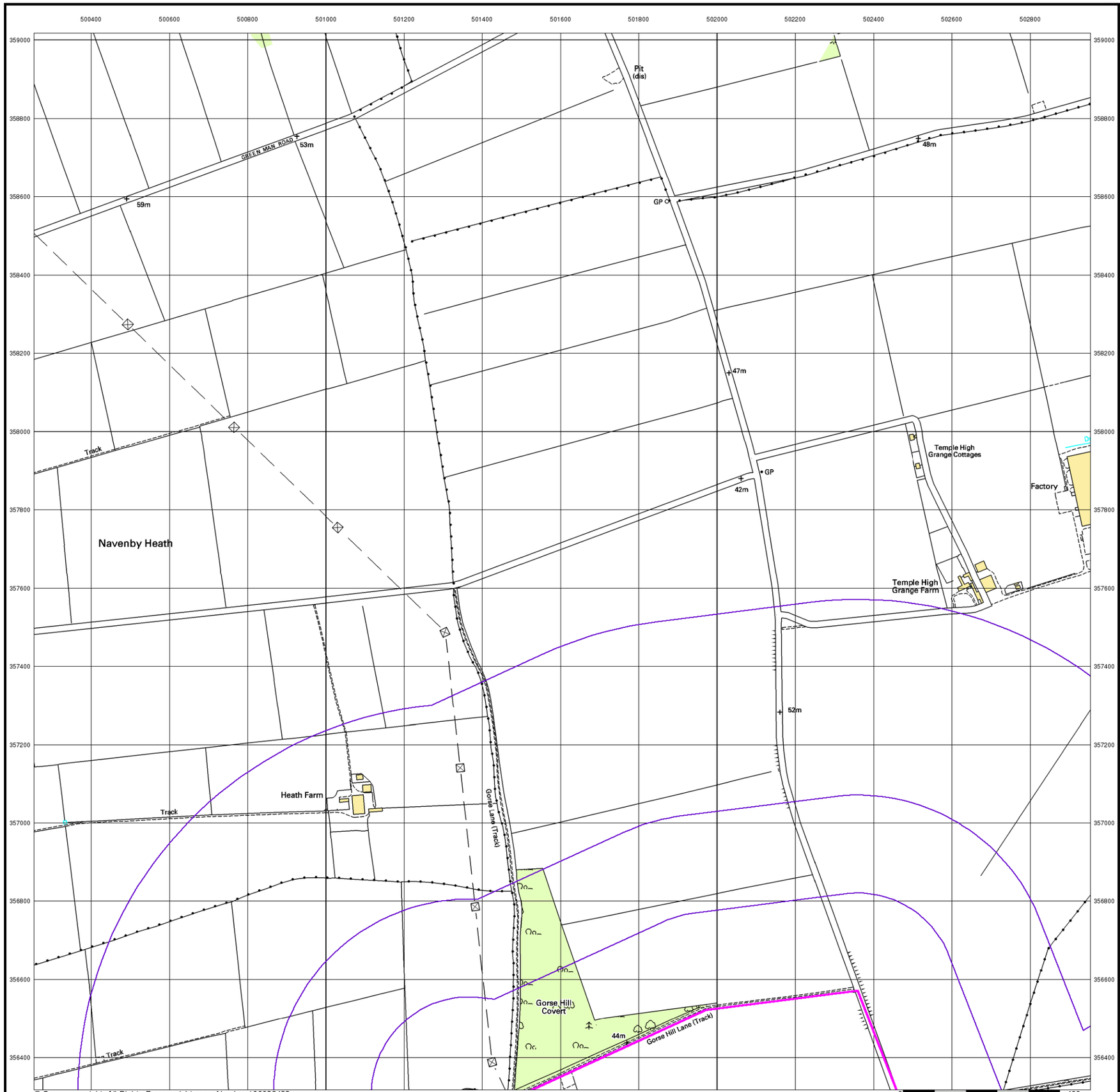

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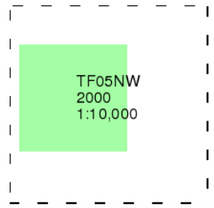
10k Raster Mapping

Published 2000

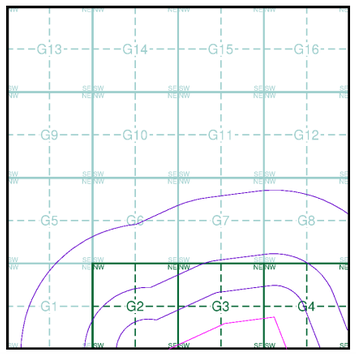
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice G



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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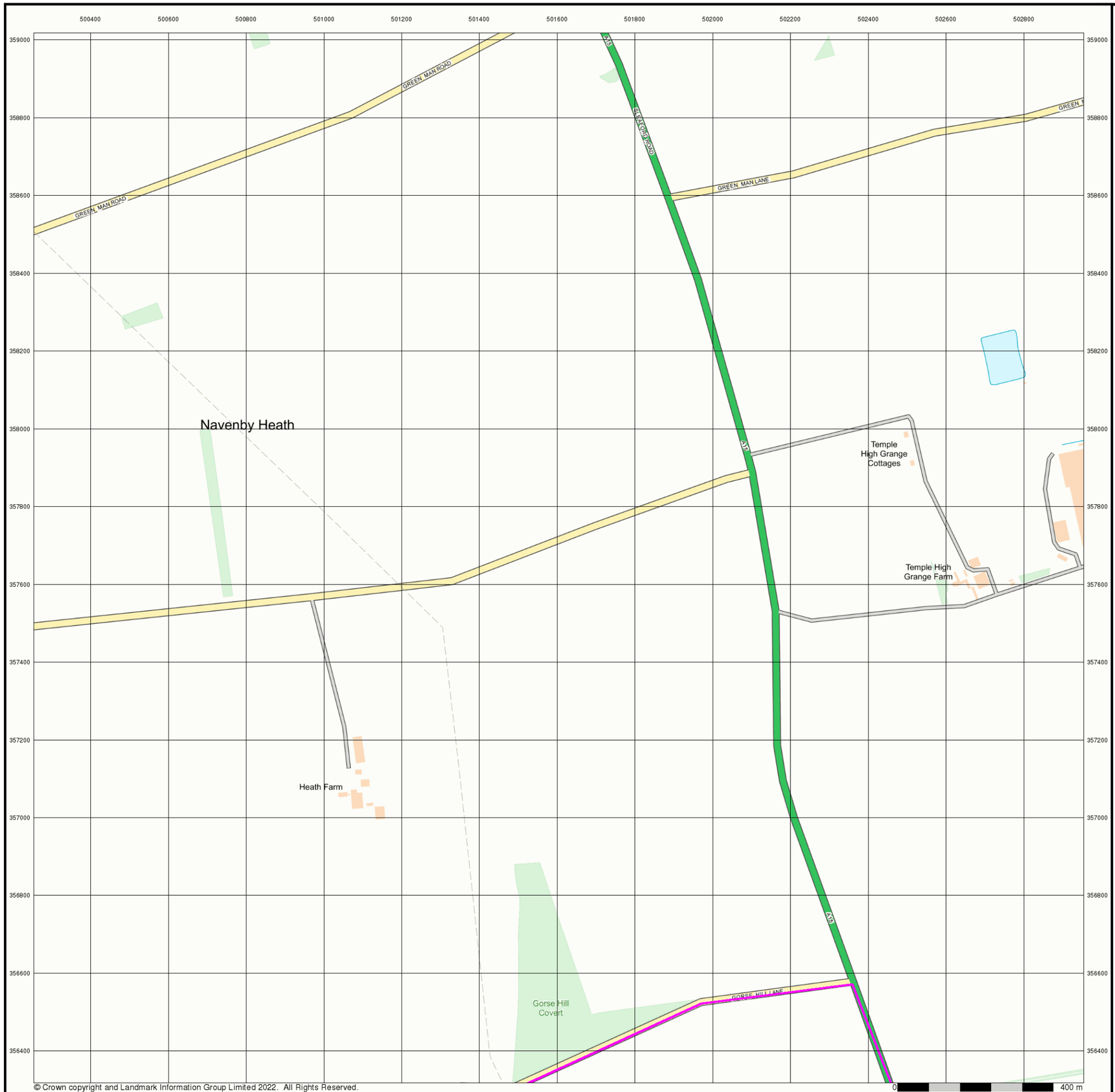

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Street View

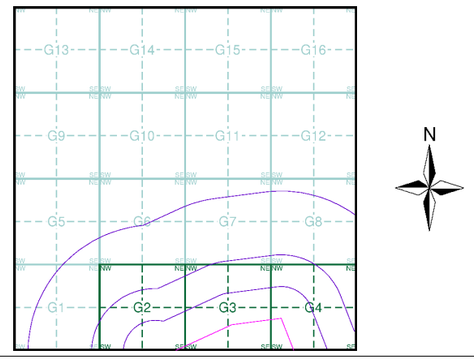
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice G



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Site Area (Ha):	1774.17
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Site Details

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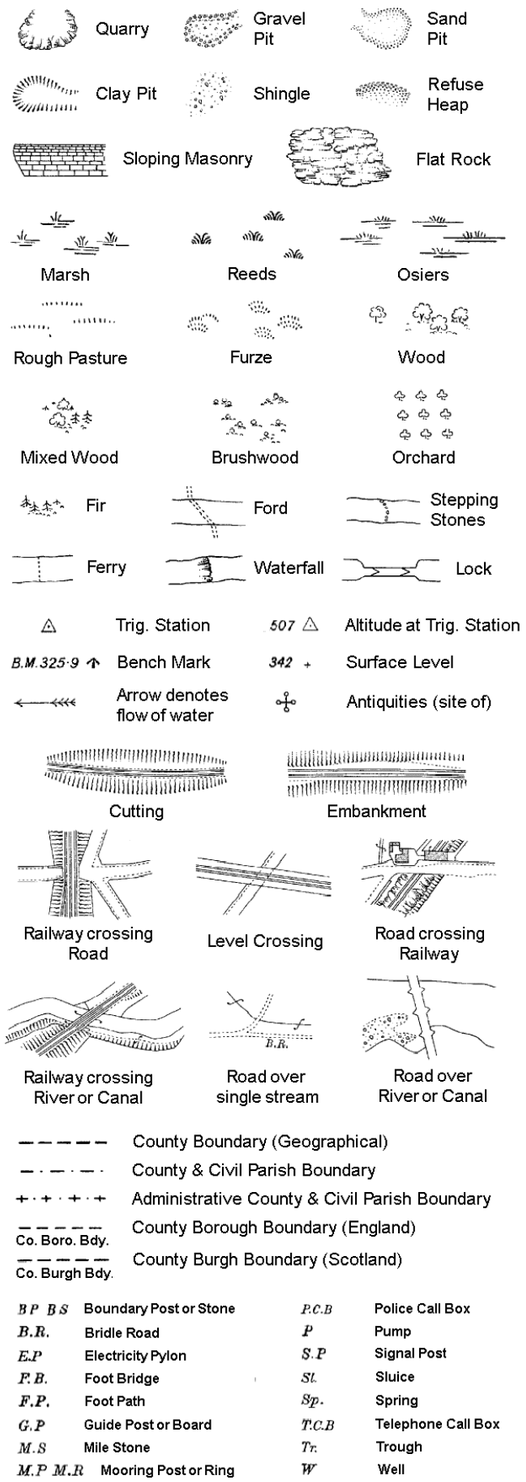
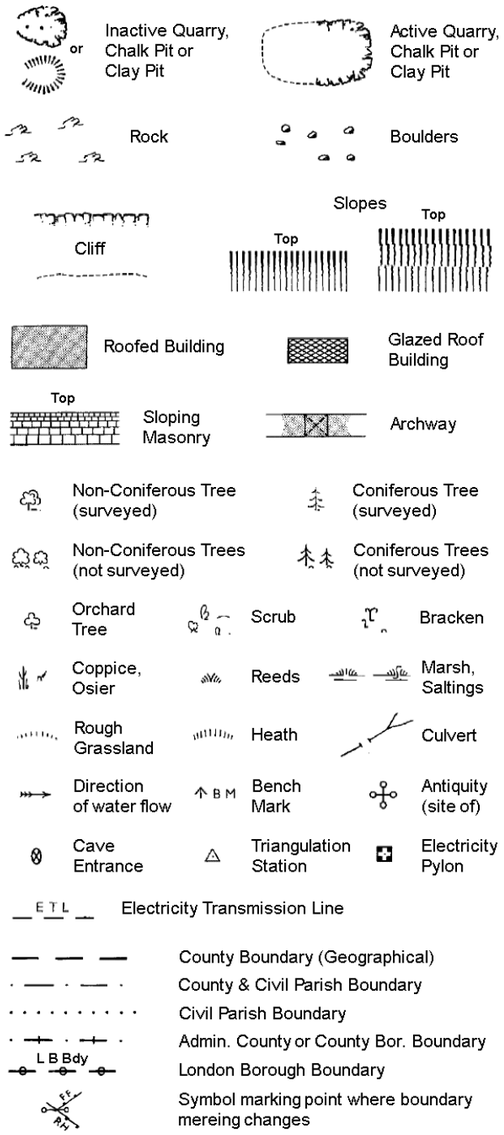
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



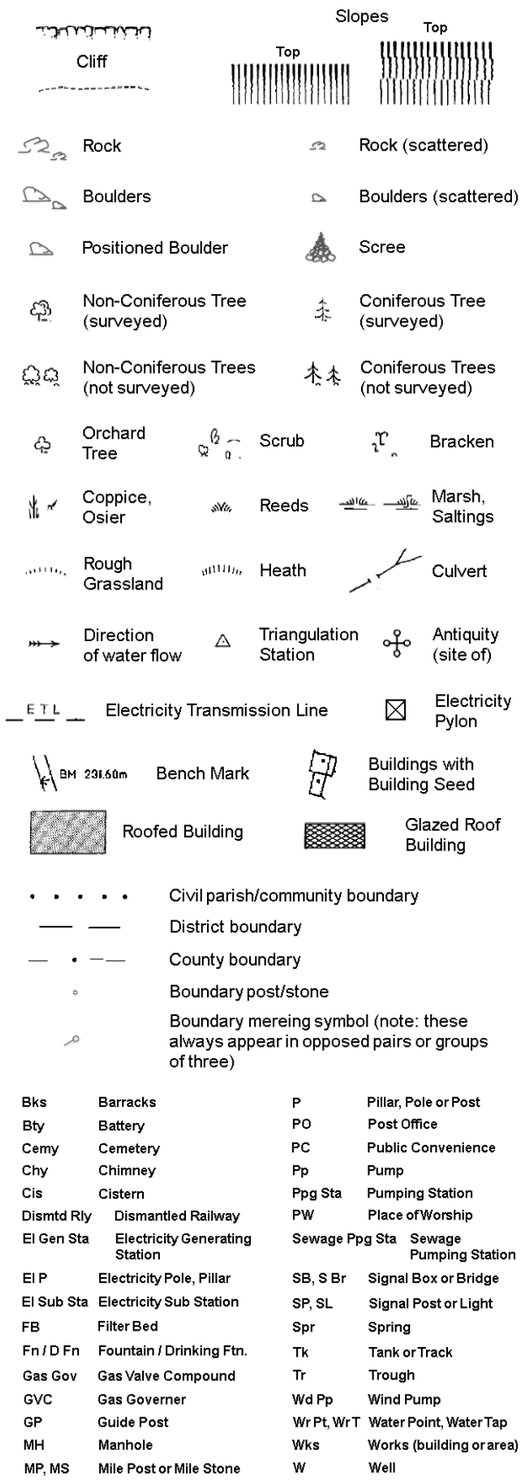
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



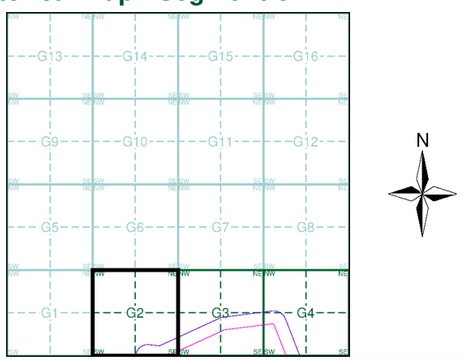
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1905	2
Ordnance Survey Plan	1:2,500	1979	3
Large-Scale National Grid Data	1:2,500	1994	4

Historical Map - Segment G2



Order Details

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Search Buffer (m): 100

Site Details

All Areas New

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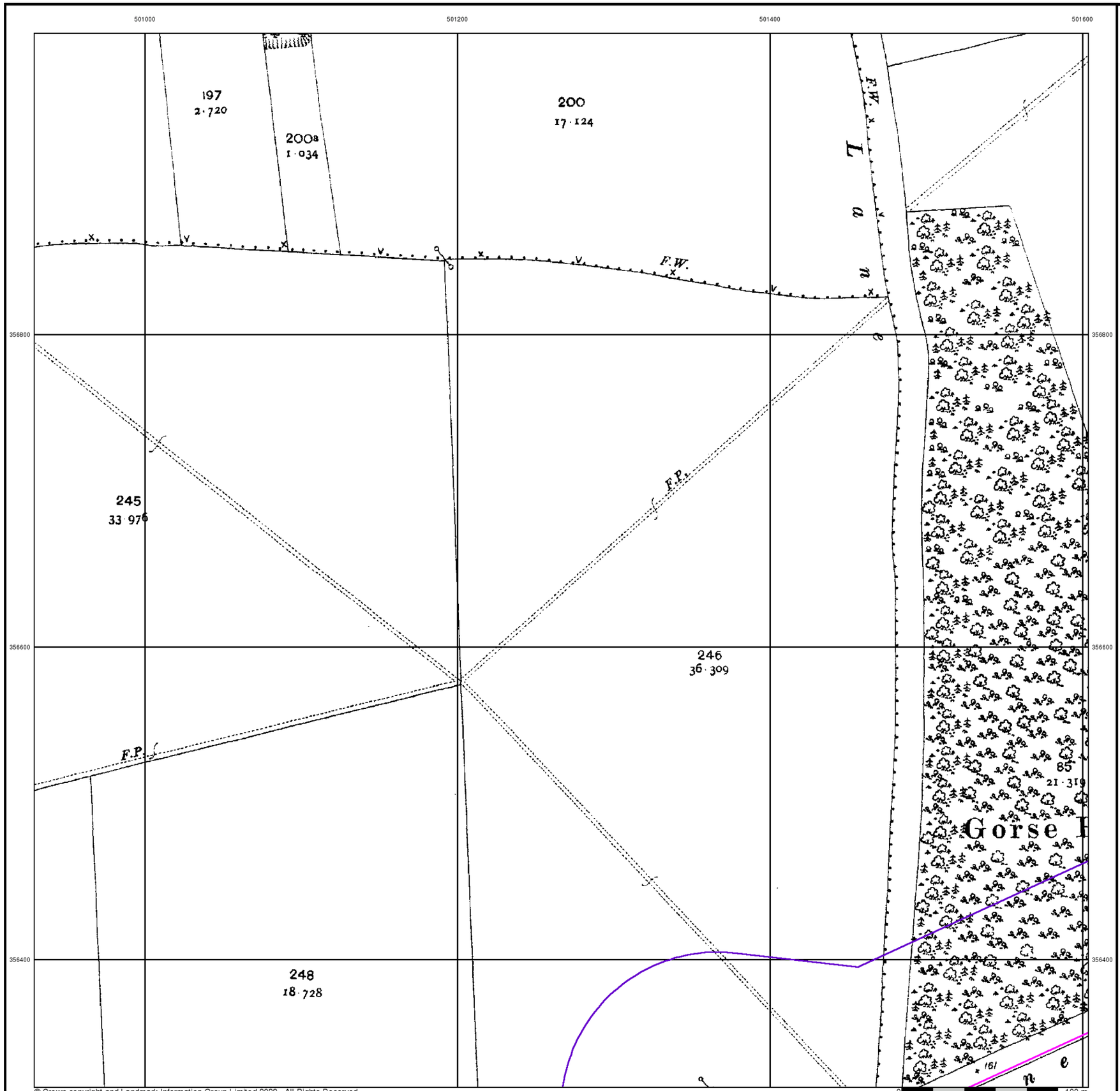

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RSK

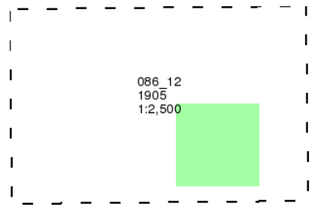
Lincolnshire

Published 1905

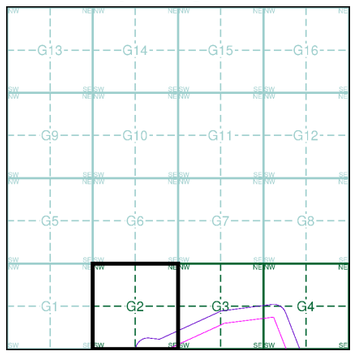
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment G2



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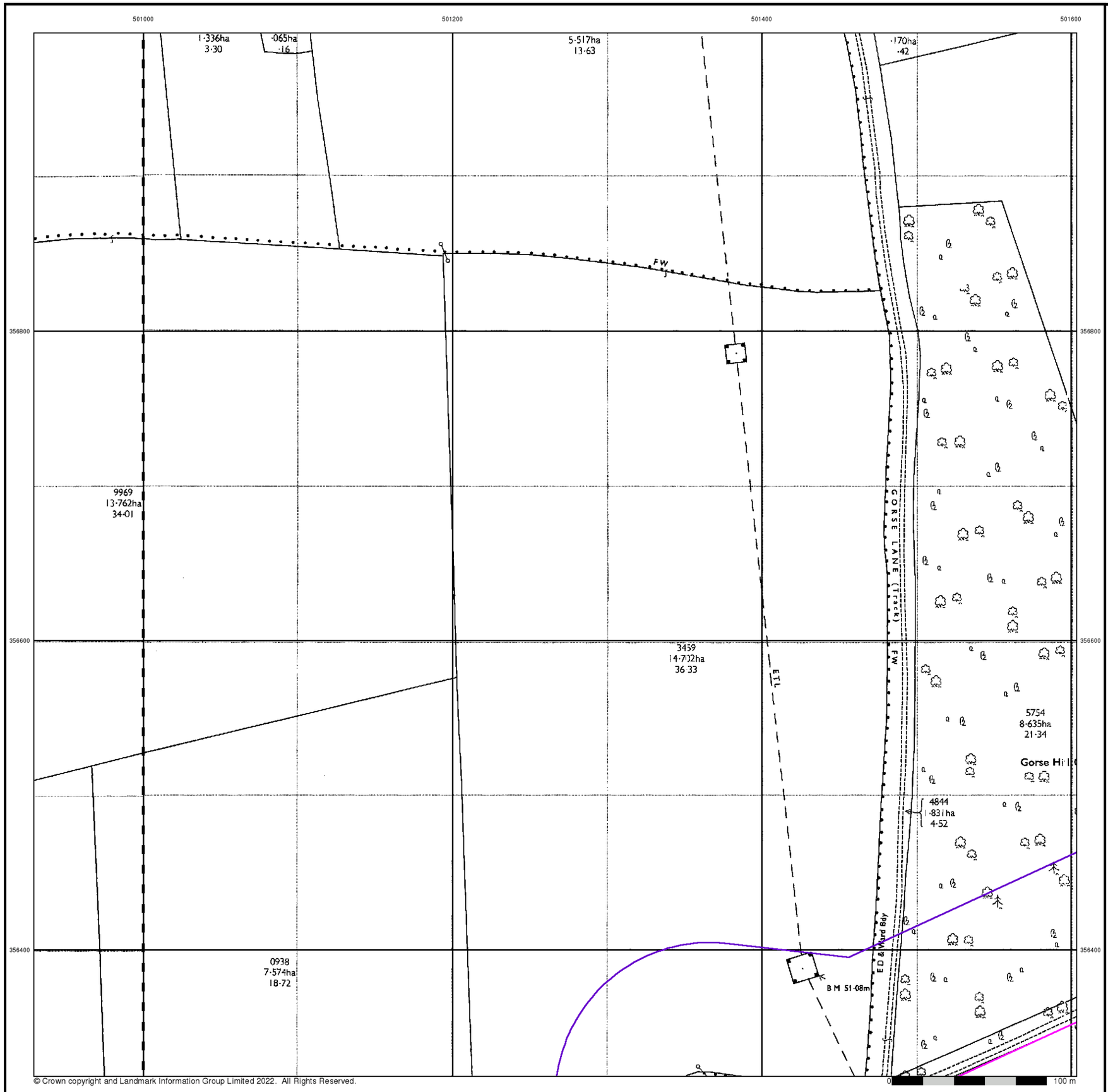

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RSK

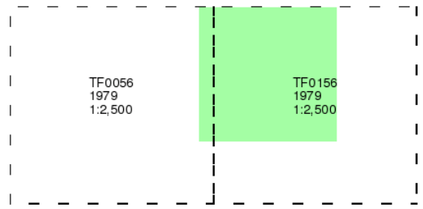
Ordnance Survey Plan

Published 1979

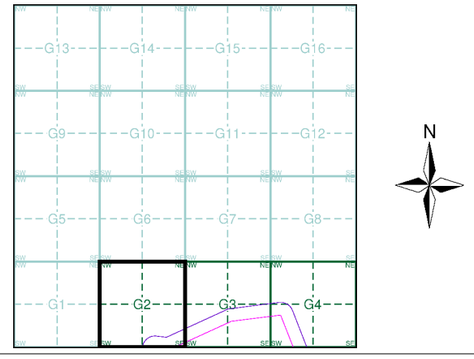
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment G2



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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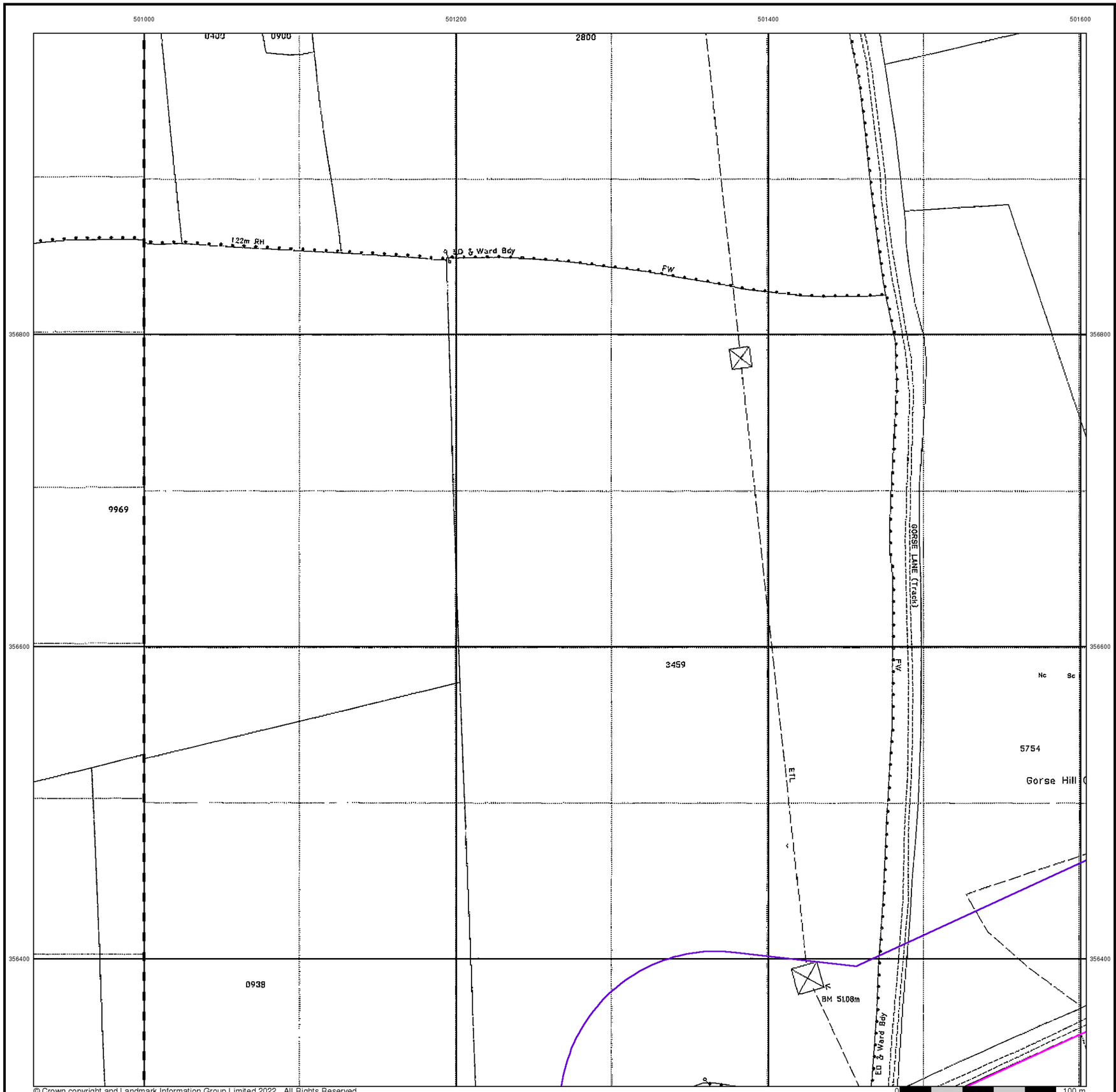
Web: www.envirocheck.co.uk



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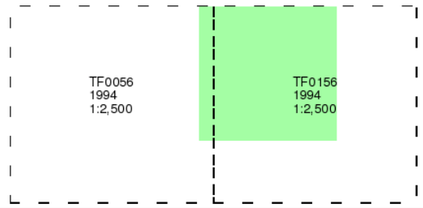
Large-Scale National Grid Data

Published 1994

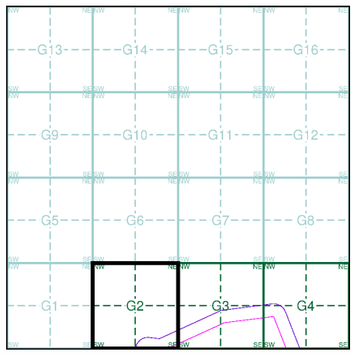
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment G2



Order Details

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Site Area (Ha):	1774.17
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All Areas New

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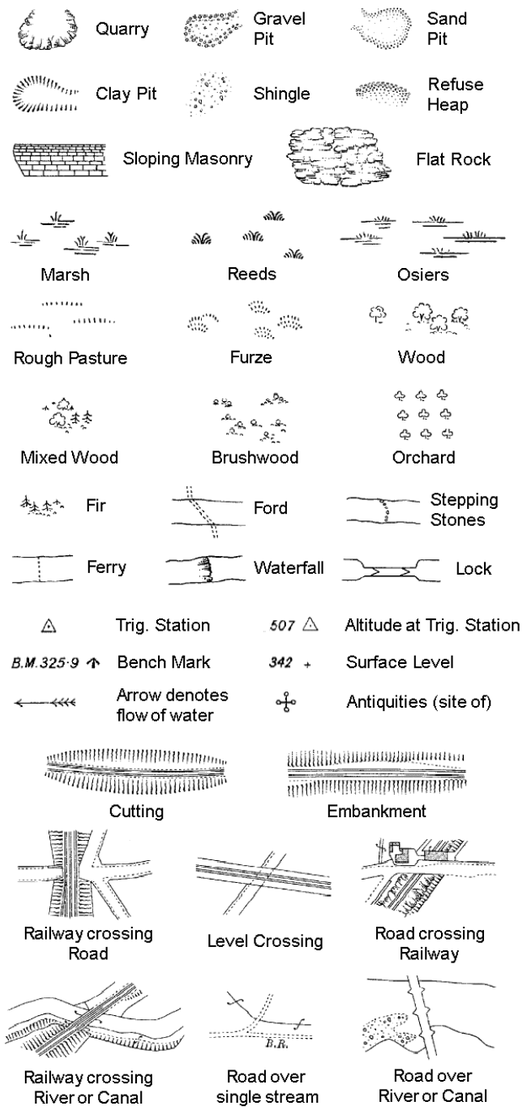
Historical Mapping Legends

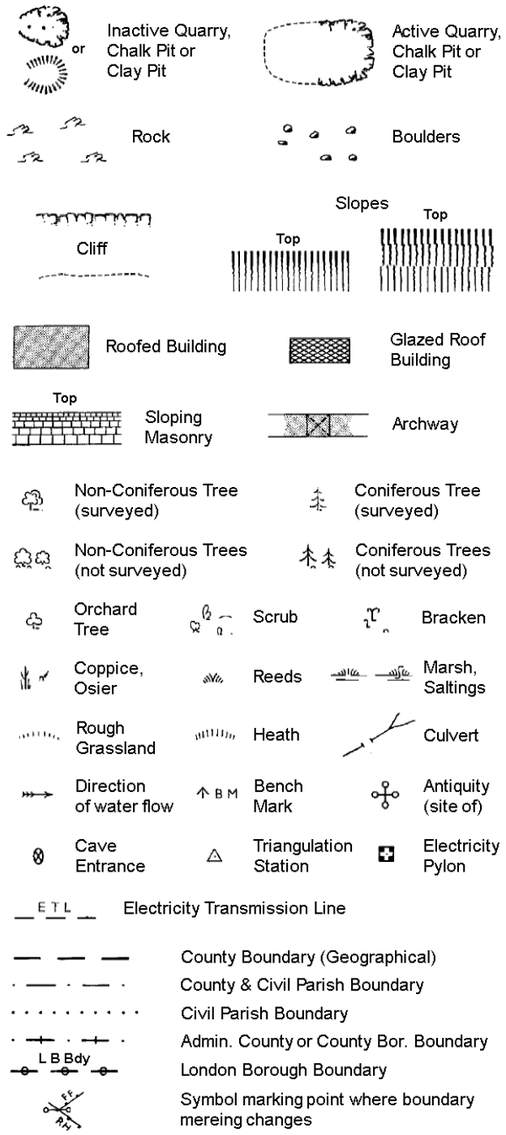
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

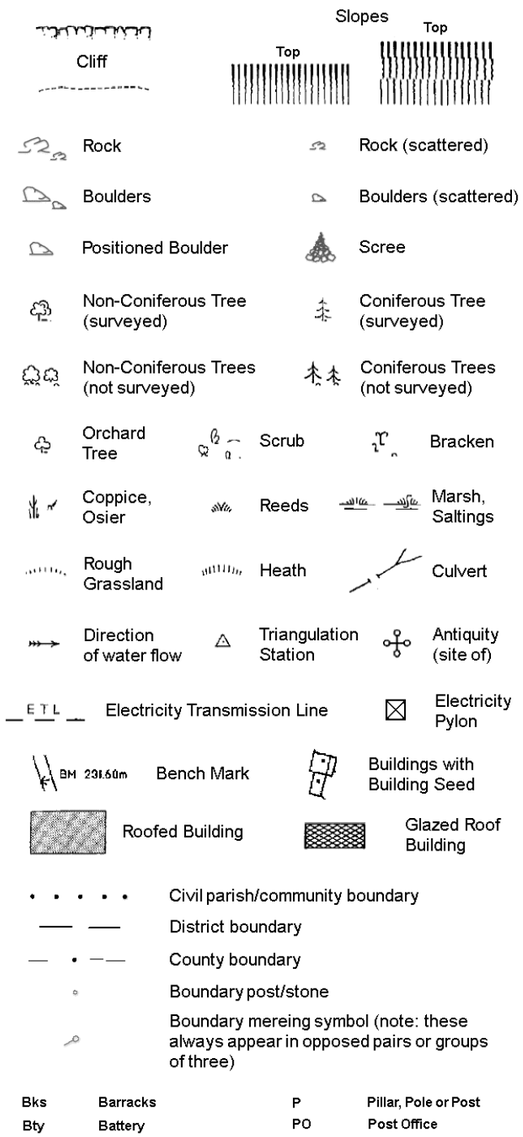
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

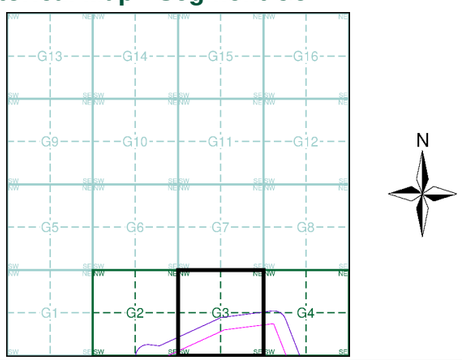
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979 - 1980	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment G3



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
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Slice: G
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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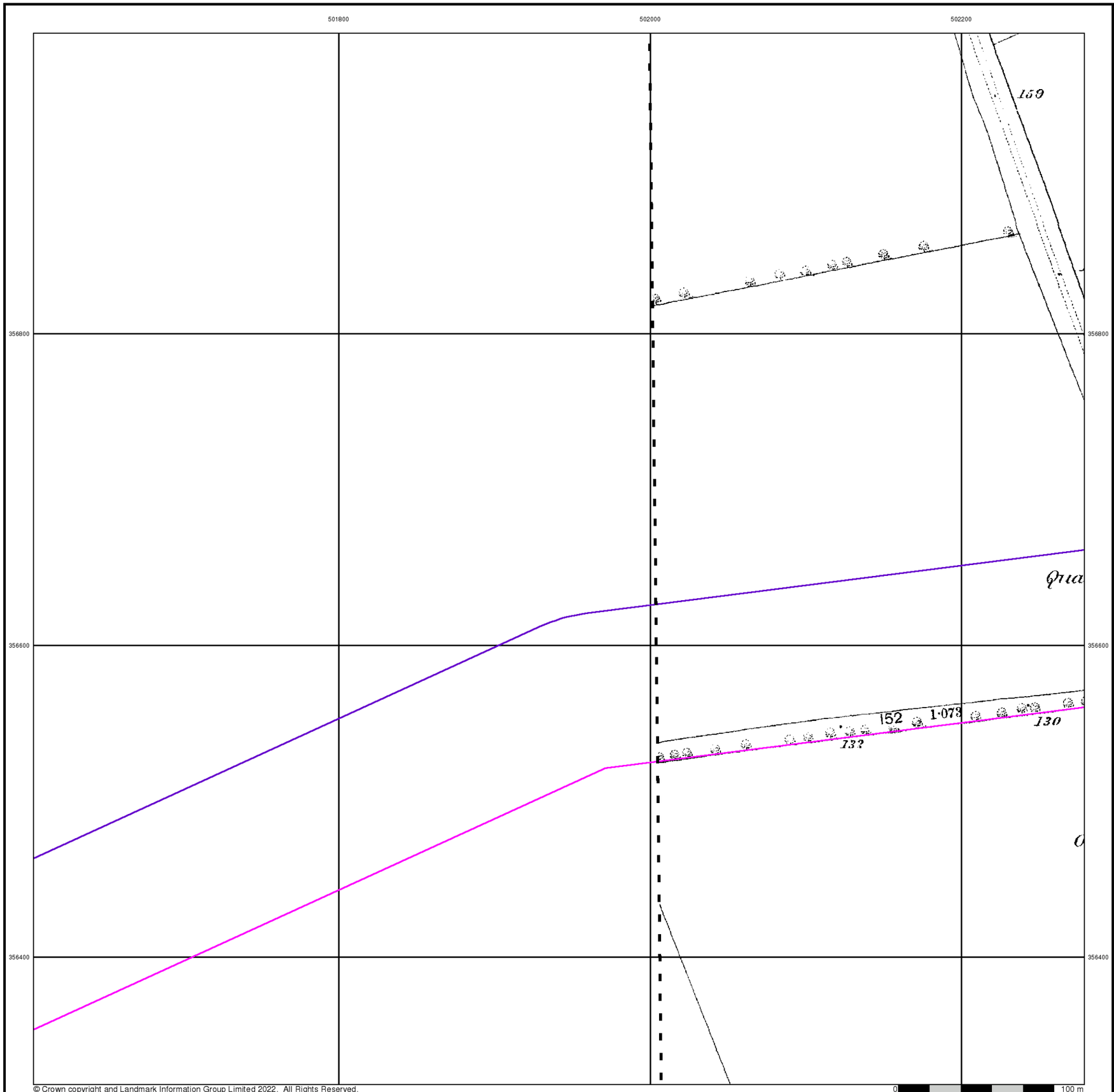

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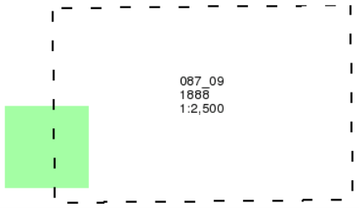
Lincolnshire

Published 1888

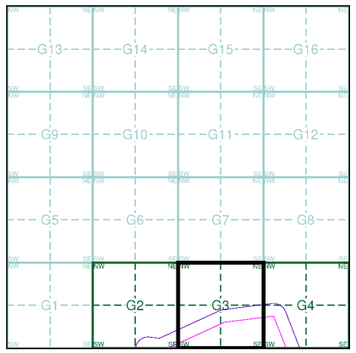
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment G3



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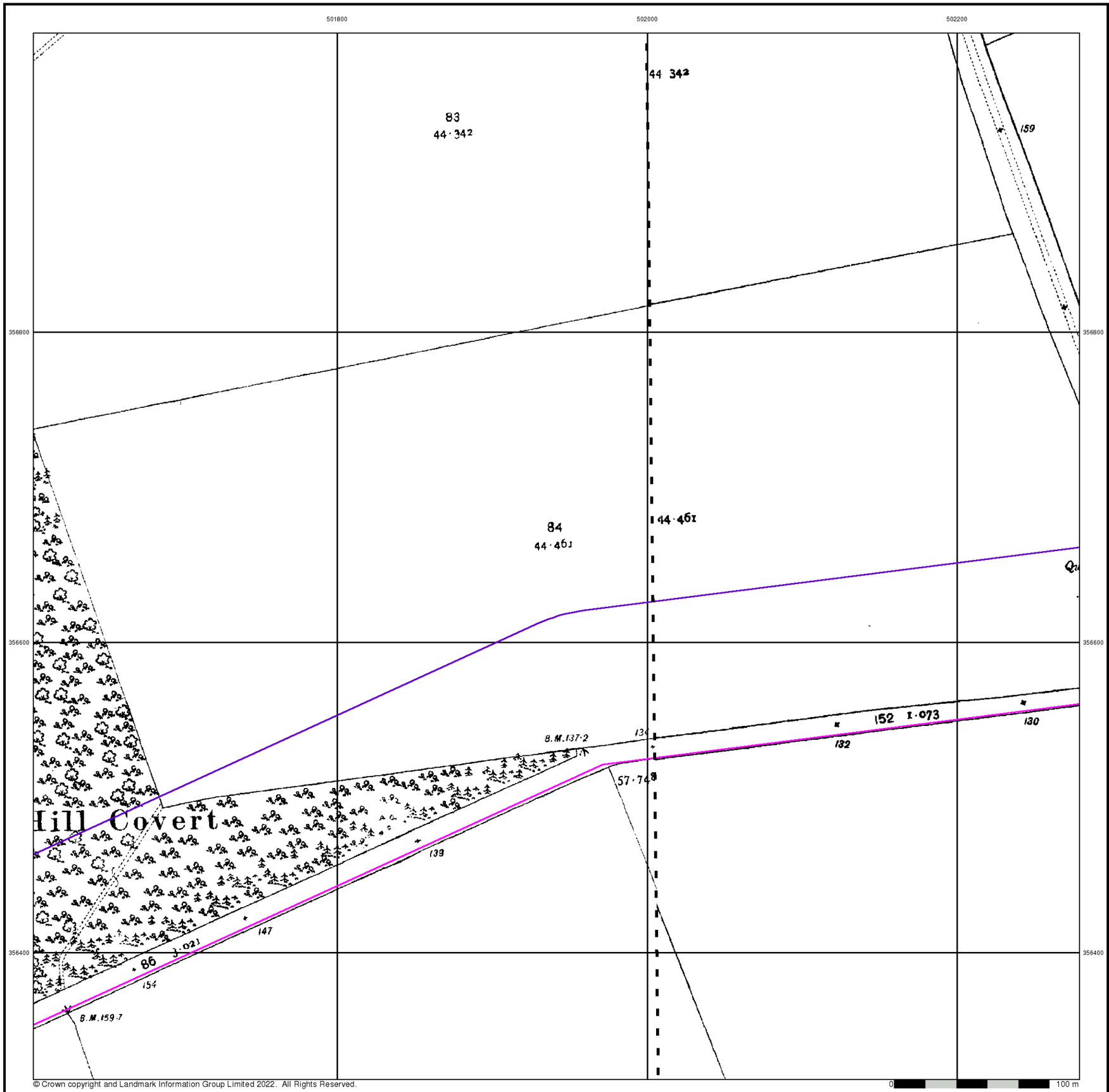

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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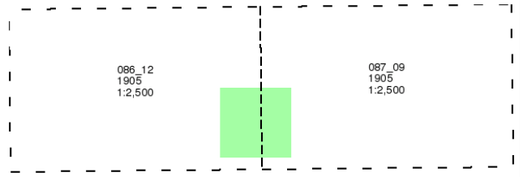
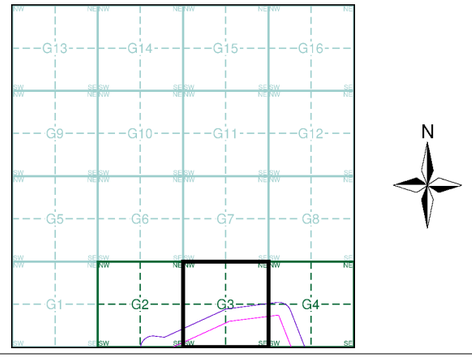


Historical Map - Segment G3



Order Details

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Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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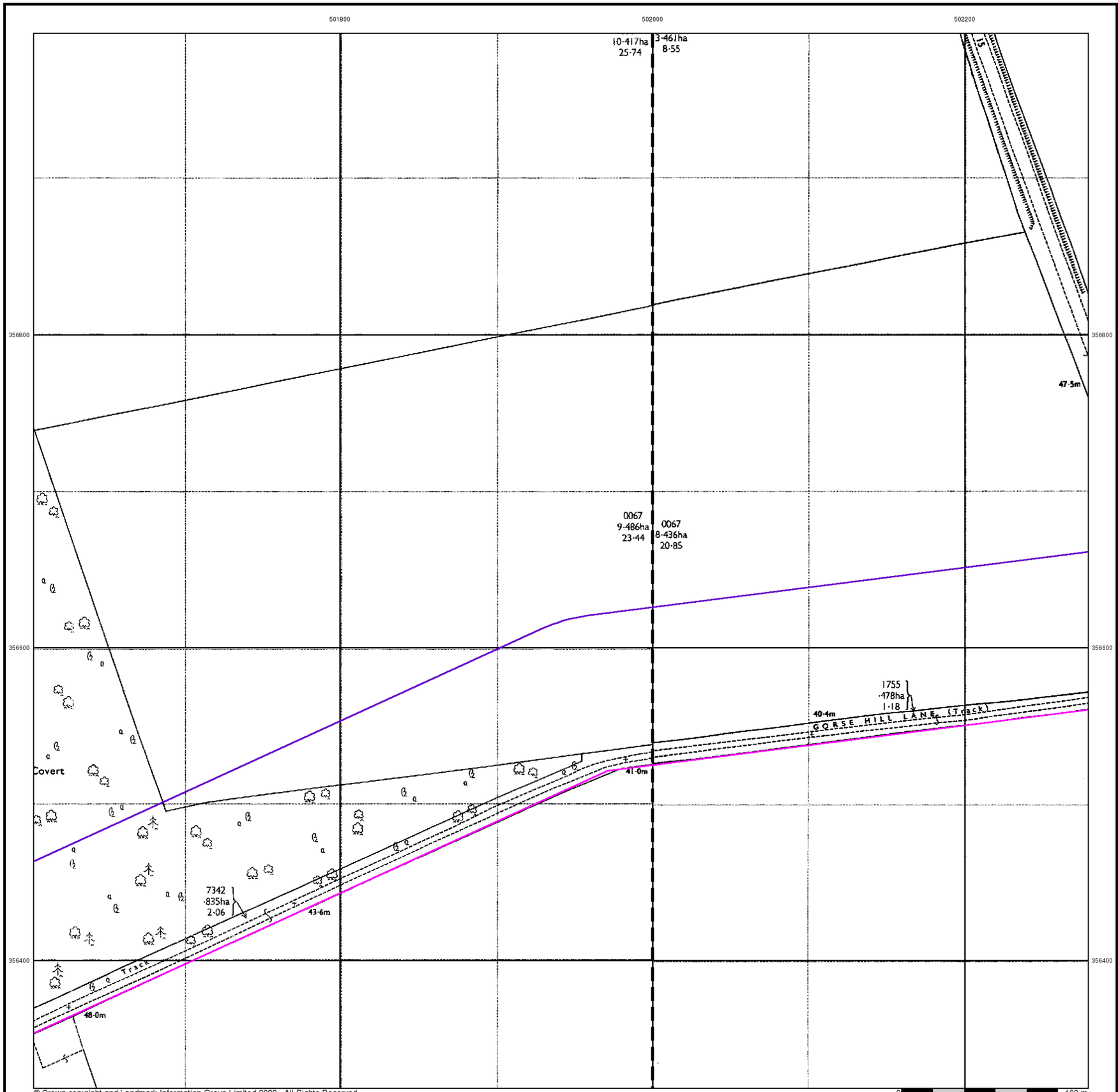

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Ordnance Survey Plan

Published 1979 - 1980

Source map scale - 1:2,500

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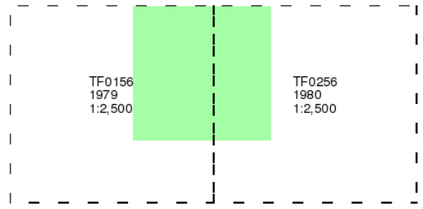
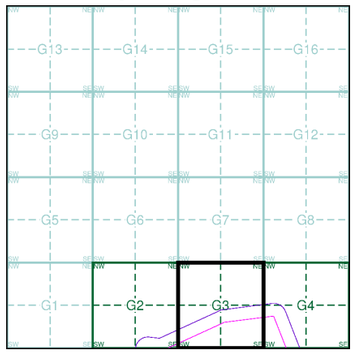
Map Name(s) and Date(s)



Historical Map - Segment G3



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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501800
502000
502200
356800
356600
356400
0003
0067
47.5m
41.0m
43.6m
48.3m
GORSE HILL LANE (Track)
Covert
Nc
Sc
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0
100 m

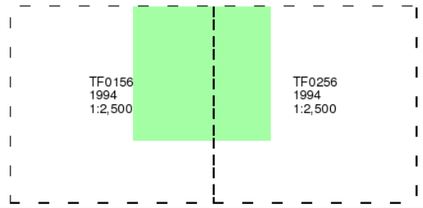
Large-Scale National Grid Data

Published 1994

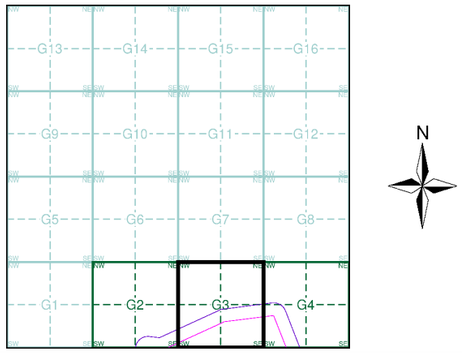
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment G3



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Site Area (Ha):	1774.17
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Site Details

All Areas New

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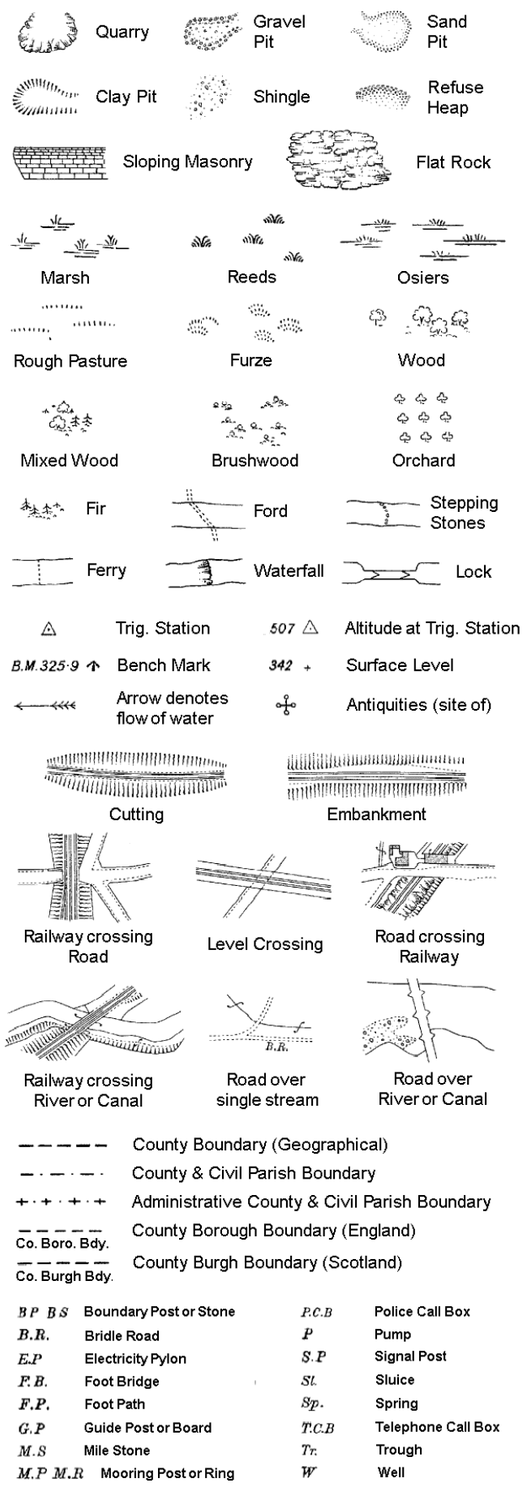
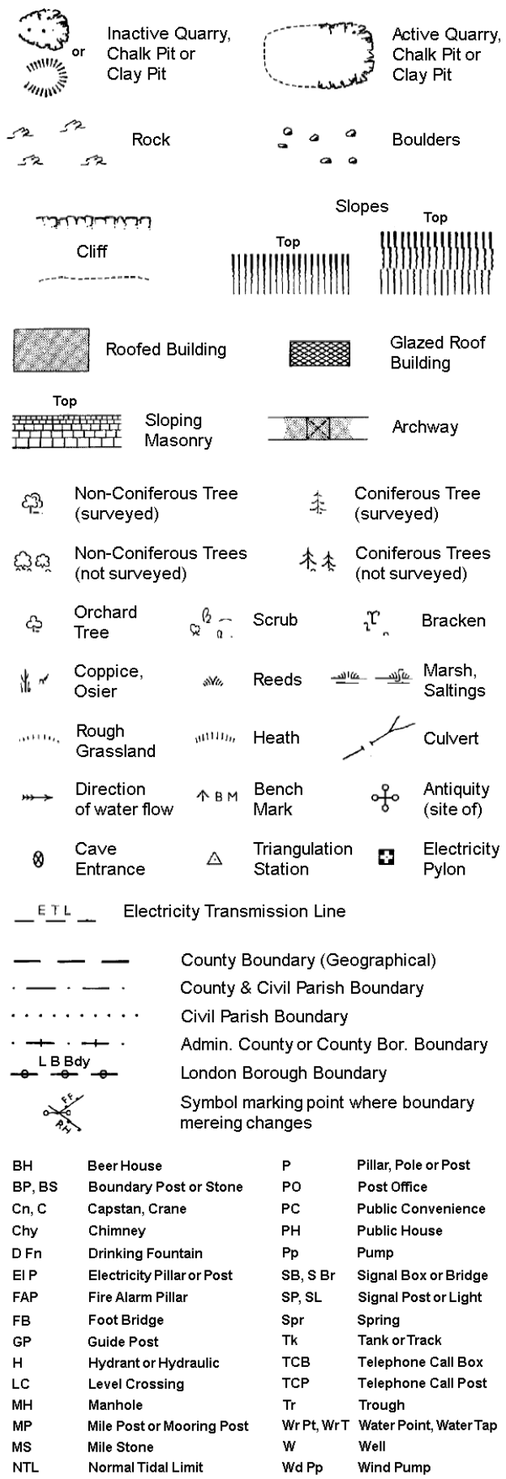
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
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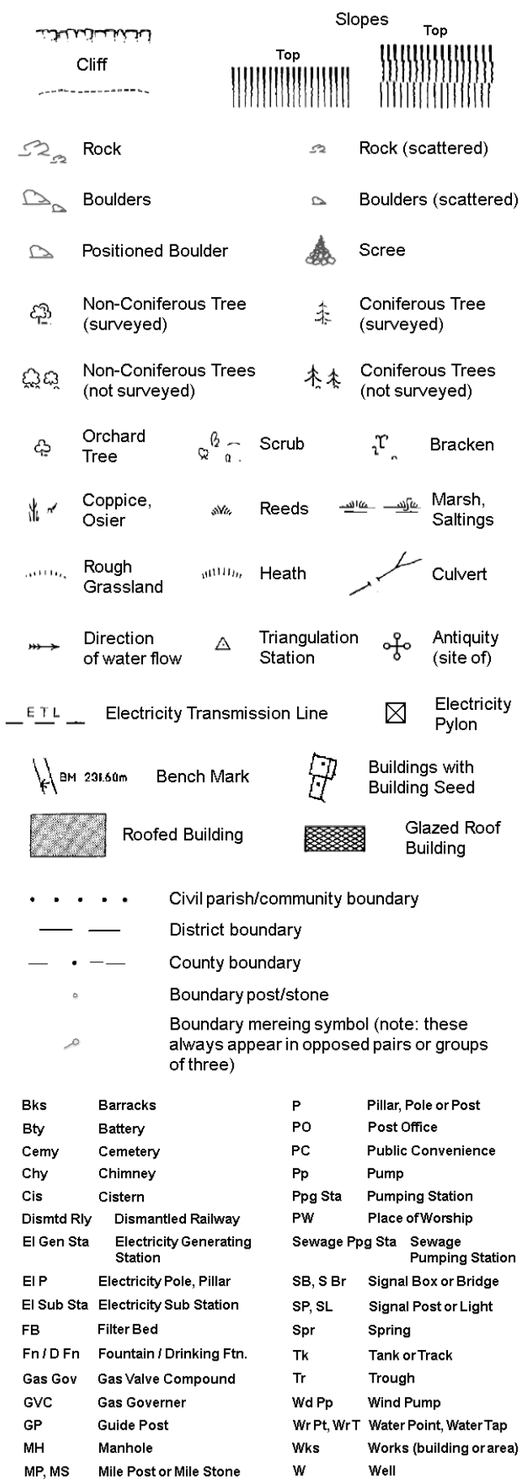
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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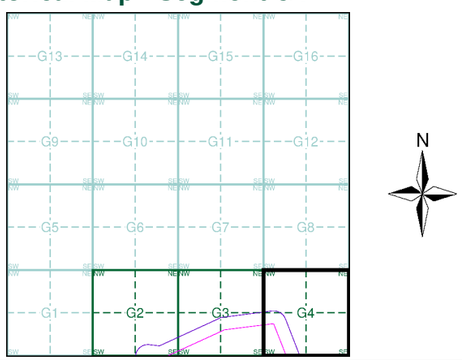
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1980	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment G4



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Site Details

All Areas New

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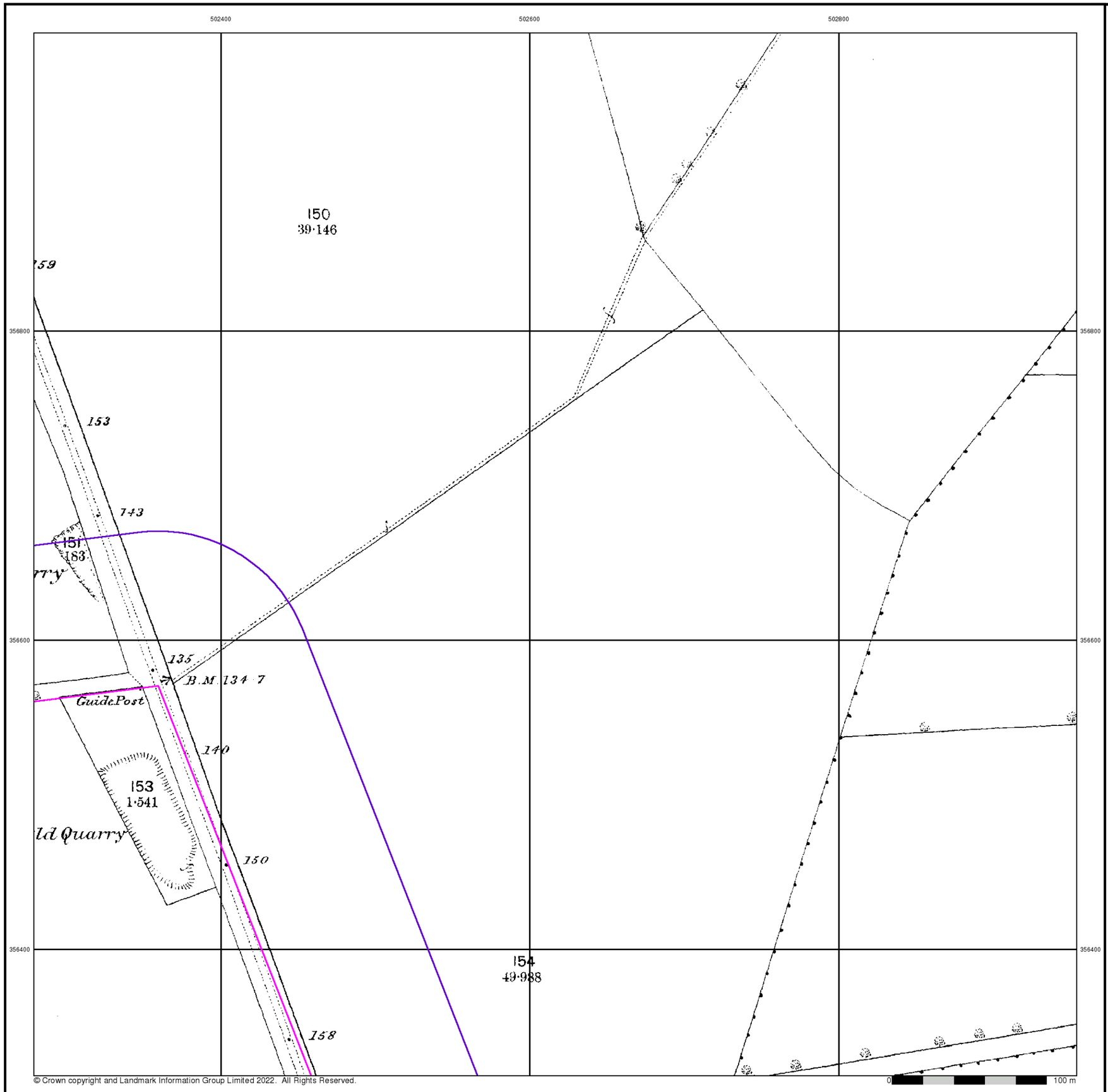

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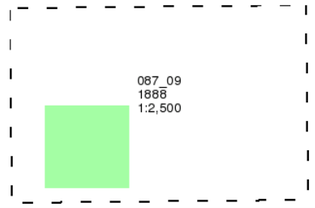
Lincolnshire

Published 1888

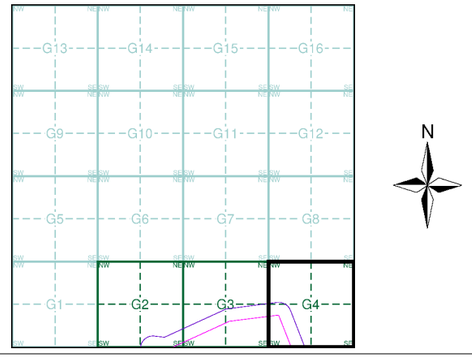
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment G4



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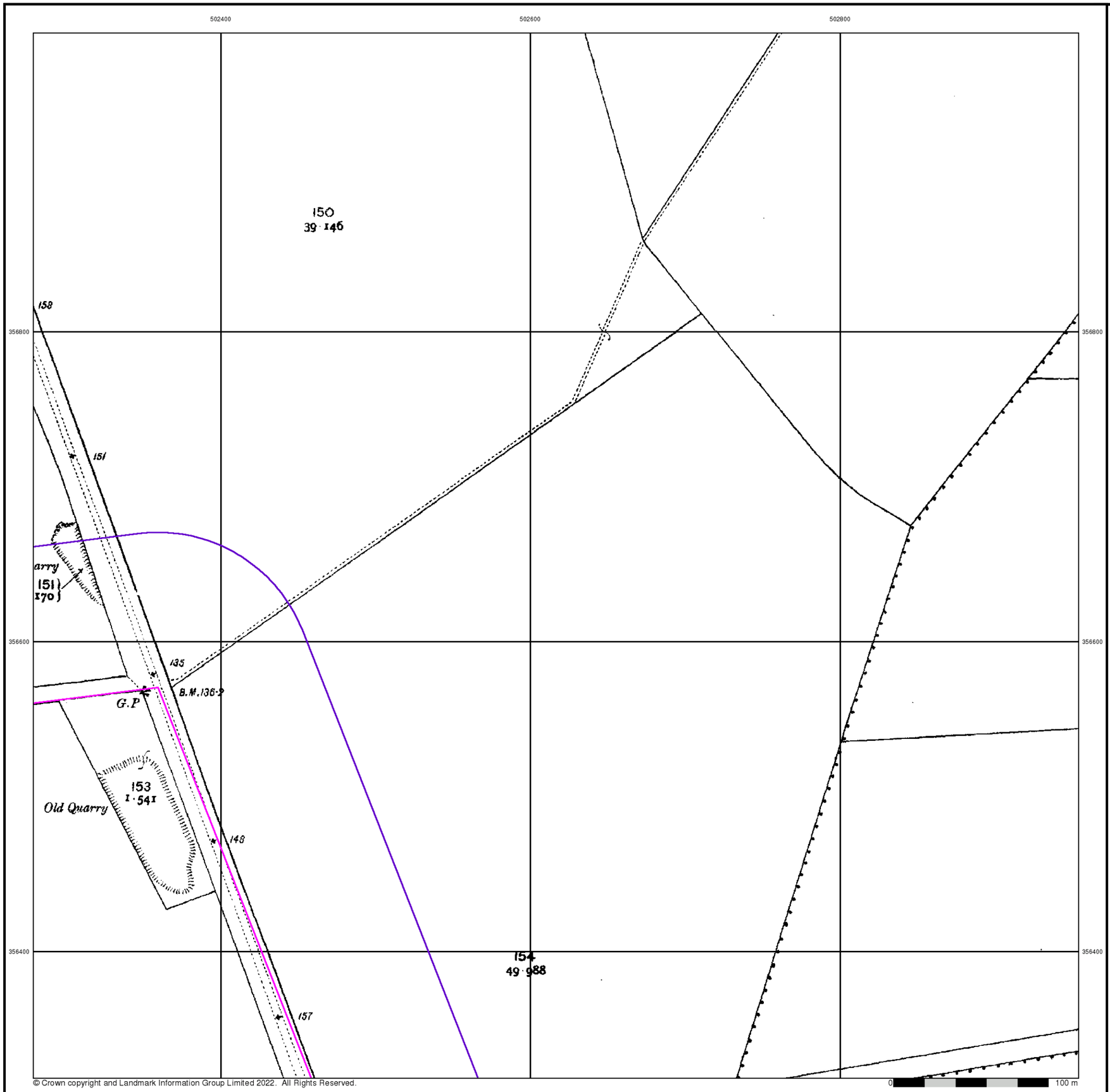

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RSK

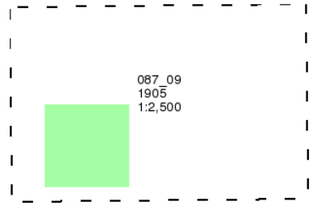
Lincolnshire

Published 1905

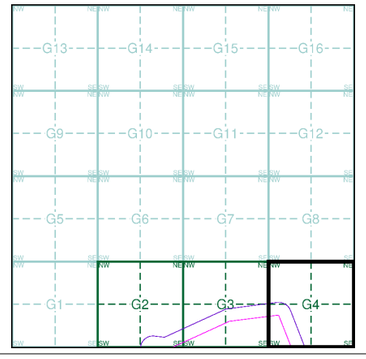
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment G4



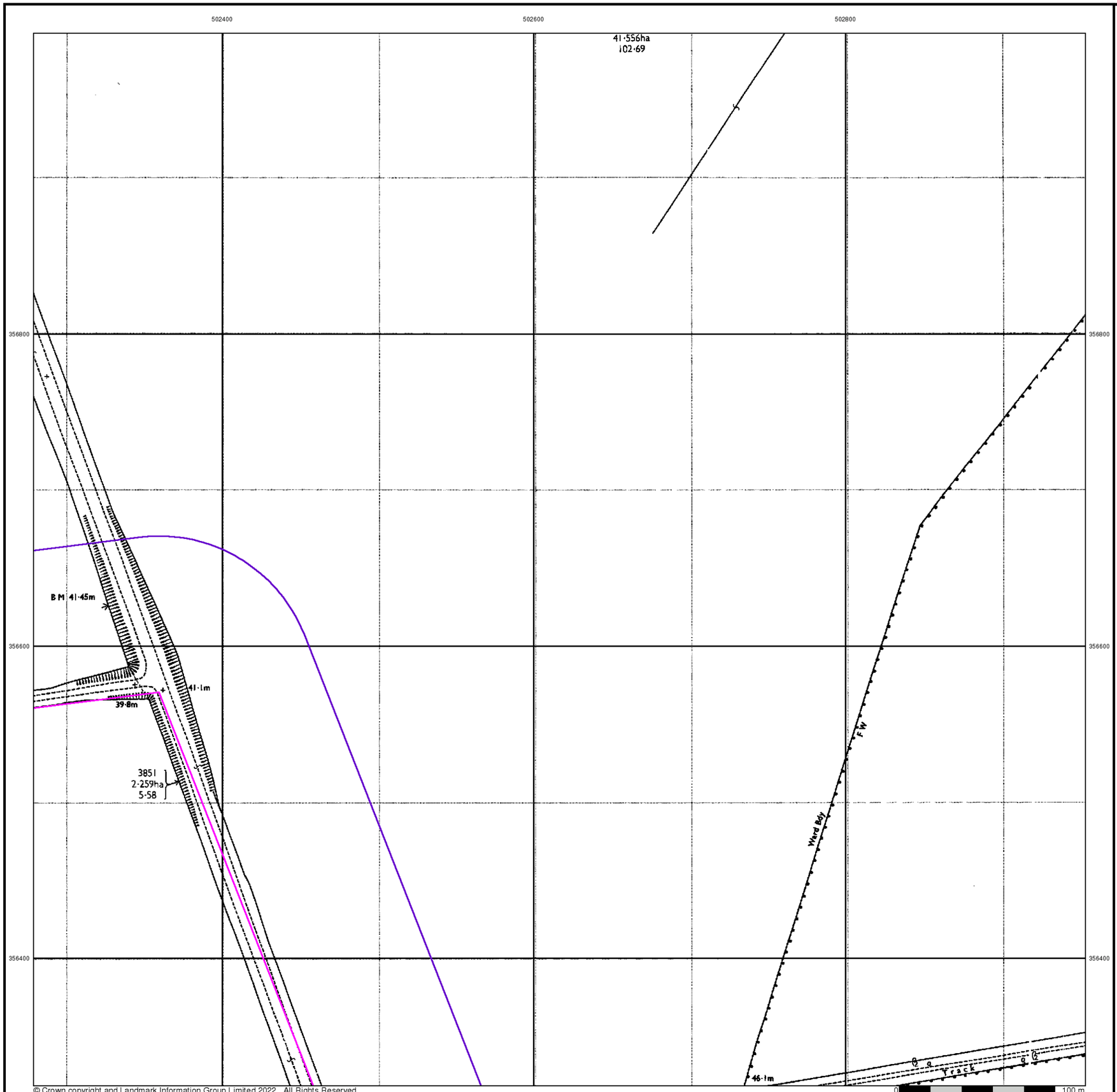
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

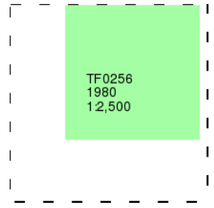
Ordnance Survey Plan

Published 1980

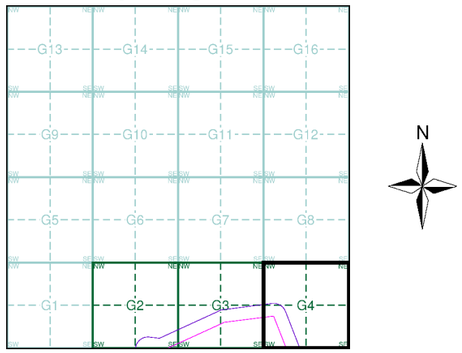
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment G4



Order Details

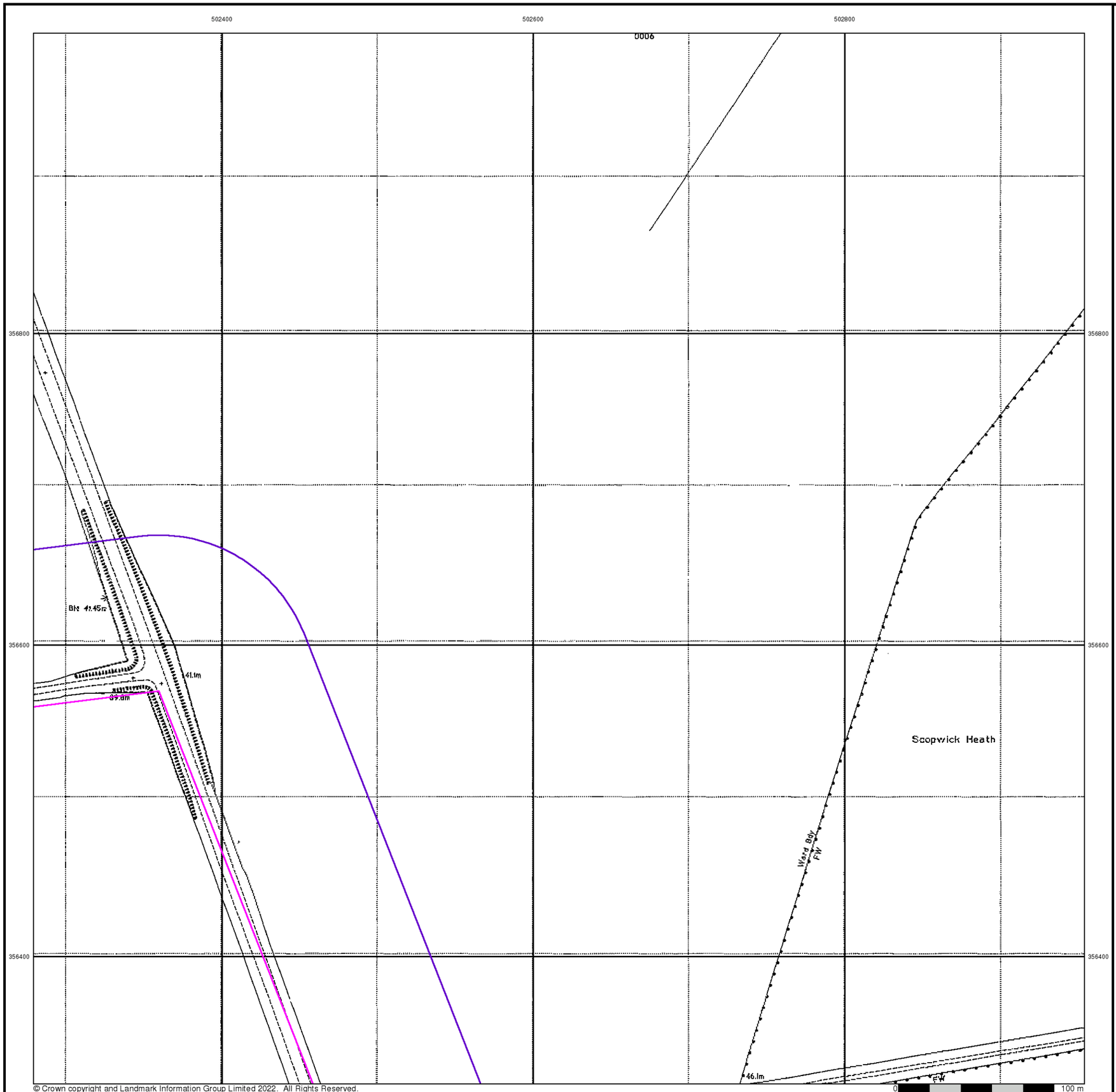
Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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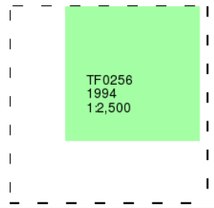
Large-Scale National Grid Data

Published 1994

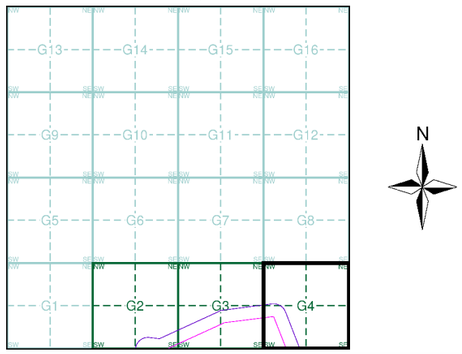
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment G4



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	501810, 356860
Slice:	G
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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APPENDIX D8 ENVIRONMENTAL DATABASE REPORT – ZONE H

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
504600, 357380

Slice:
H

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	15
Hazardous Substances	-
Geological	16
Industrial Land Use	19
Sensitive Land Use	20
Data Currency	21
Data Suppliers	25
Useful Contacts	26

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3	1	2		
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3	Yes			
Pollution Incidents to Controlled Waters	pg 3		1		
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4		1	1	
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 4	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 12	16	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 13	3	1		
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 14	1	1		

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 15	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 16	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 16		2		3
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 17	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 17	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 17	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 17	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 18	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 18	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 19				1
Fuel Station Entries	pg 19		1		
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland	pg 20			1	1
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 20	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	505700 357250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	505800 357350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	505750 357300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	506000 357450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	H12SW (NE)	0	1	505150 357700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	H8SE (E)	0	1	505650 357200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	H8SE (E)	0	1	505350 357150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	506200 356200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	506100 357750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	506150 355800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	H4NE (SE)	0	1	505400 356950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	H8NW (E)	0	1	505000 357379
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	502450 356600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	506050 358100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	506000 357500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	506100 357500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	505800 357379
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	H8NE (E)	0	1	505650 357400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	0	1	505850 357400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	0	1	505950 357400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	H7NW (NW)	0	1	504604 357379
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	H8SW (SE)	20	1	505150 357000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	H8SW (SE)	22	1	505250 357100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	H8SW (E)	25	1	505300 357150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	37	1	505950 357500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	46	1	506300 358000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	50	1	502450 356650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	H8SW (SE)	56	1	505250 357050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	H4NW (SE)	83	1	505200 356900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	H10NE (NW)	90	1	504200 358250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	104	1	506050 357700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	162	1	502550 356700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	266	1	505750 358650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	269	1	506300 358850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	283	1	506300 358650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	378	1	506250 359650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	403	1	502800 357050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	418	1	506100 358850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	420	1	505900 358550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	422	1	505950 359500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	435	1	506200 359650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	470	1	506200 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	470	1	505750 358600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	474	1	502750 356950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Severn Trent Services Defence Limited Property Type: PRISONS/MOD SITES/PUBLIC ADMIN+DEFENCE+COMP SOCIAL SEC Location: Raf Digby Stw, Digby, Lincoln Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Cdnnf09631 Permit Version: 1 Effective Date: 23rd December 1996 Issued Date: 23rd December 1996 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Scopwick Beck **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	H4SE (SE)	0	2	505360 356610
2	**Discharge Consents** Operator: Autism Care (Uk) Ltd Property Type: Hospitals Location: Heath Farm Res Home Heath Road, Scopwick, Lincs, Ln4 3jd Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Prnlf12144 Permit Version: 2 Effective Date: 14th December 2011 Issued Date: 14th December 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	H4NW (SE)	154	2	505070 356930
2	**Discharge Consents** Operator: Autism Care (Uk) Ltd Property Type: Hospitals Location: Heath Farm Res Home Heath Road, Scopwick, Lincs, Ln4 3jd Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Prnlf12144 Permit Version: 1 Effective Date: 10th December 1997 Issued Date: 10th December 1997 Revocation Date: 13th December 2011 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	H4NW (SE)	154	2	505070 356930
	Nearest Surface Water Feature	H4SE (SE)	0	-	505609 356645
3	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Lincoln District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Underground Strata Incident Date: 30th October 1992 Incident Reference: 1496 Catchment Area: Not Given Receiving Water: Potential Groundwater Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	H2SW (SW)	212	2	503700 356500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Water Abstractions** Operator: Property Services Agency Licence Number: 4/30/09/cg/999 Permit Version: Not Supplied Location: Borehole No 1 R A F , DIGBY Authority: Environment Agency, Anglian Region Abstraction: Private Water Supply (Crown Property / Government Departments) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	H3NE (S)	225	2	504700 356700
5	**Water Abstractions** Operator: Property Services Agency Licence Number: 4/30/09/cg/999 Permit Version: Not Supplied Location: Borehole No 2 R A F, DIGBY Authority: Environment Agency, Anglian Region Abstraction: Private Water Supply (Crown Property / Government Departments) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	H3NE (S)	305	2	504700 356795
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H8SE (SE)	0	3	505343 357031
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	3	506000 357566

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H8SE (SE)	0	3	505329 357000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	505624 355944
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	505052 356000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	505836 356450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	505546 356000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	506000 355956
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H4SE (SE)	0	3	505639 356377
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	506156 356000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H5SW (W)	0	3	503000 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H6SE (SW)	0	3	504000 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H7SW (S)	0	3	504604 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H4NE (SE)	0	3	505445 356977

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H8SW (SE)	0	3	505000 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	3	506000 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H12SW (NE)	0	3	505000 358000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	506000 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	504000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	504604 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	505643 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	505249 356000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	505000 356000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	506000 355643
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	506000 356000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	3	506044 355685

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	506000 359000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H7NW (NW)	0	3	504604 357379
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H8NW (E)	0	3	505000 357379
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	H8SE (SE)	0	3	505462 357000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	3	506000 357685
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	3	506000 357379
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	503000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	H12SW (NE)	0	3	505000 358000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(NE)	0	3	506000 358000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	H5SW (W)	0	3	503000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	H6SE (SW)	0	3	504000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	H7SW (S)	0	3	504604 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	H8SW (SE)	0	3	505000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(E)	0	3	506000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	H7NW (NW)	0	3	504604 357379

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	H8NW (E)	0	3	505000 357379
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(E)	0	3	506000 357379
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(SW)	0	3	503000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(SW)	0	3	504000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(S)	0	3	504604 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(S)	0	3	505000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(SE)	0	3	506000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(NE)	0	3	506000 359000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SE)	0	3	505624 355944
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	H8SE (SE)	0	3	505343 357031
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	H4SE (SE)	0	3	505639 356377
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	H7NW (NW)	0	3	504604 357379
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	H8NW (E)	0	3	505000 357379
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SE)	0	3	506044 355685
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(SE)	0	3	505836 356450
	Superficial Aquifer Designations No Data Available				
6	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone IIc (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater - subsurface activity only.	(E)	0	2	505873 357878
7	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	H12SE (E)	0	2	505492 357728
8	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone Ic (Inner Protection Zone): Travel time of 50 days or less to the groundwater source - subsurface activity only.	(E)	0	2	506080 357954

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	(N)	177	2	504253 359319
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
10	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1510.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	H4SE (SE)	0	4	505609 356645
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 314.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	H4NE (SE)	42	4	505347 356944

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	5	504604 357379
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	504604 357379

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Inferior Oolite Group	H7NW (NW)	0	1	504604 357379
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	H4NE (SE)	0	1	505427 356976
12	**BGS Recorded Mineral Sites** Site Name: Scopwick Heath Location: Scopwick Heath, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134885 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	H8SW (E)	34	1	505310 357147
13	**BGS Recorded Mineral Sites** Site Name: Heath Farm Stone Pit Location: Scopwick Heath, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136049 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	H3SE (S)	139	1	504958 356387
14	**BGS Recorded Mineral Sites** Site Name: Scopwick Location: Scopwick, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134892 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	H16SW (NE)	599	1	505166 358664
15	**BGS Recorded Mineral Sites** Site Name: Longwood Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 227778 Type: Opencast **Status: Dormant** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	H16NE (NE)	750	1	505550 358880
16	**BGS Recorded Mineral Sites** Site Name: Blankney Stone Pit Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134891 Type: Opencast **Status: Ceased** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	H16NE (NE)	818	1	505491 358948
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H4SE (SE)	0	1	505639 356377
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H8SE (SE)	0	1	505343 357031
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	H3SW (S)	0	1	504568 356599
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	H4SW (SE)	0	1	505000 356579
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	H4NW (SE)	0	1	505270 356874
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	H4SE (SE)	0	1	505639 356377
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	H5NW (W)	0	1	503075 357379
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	H6SE (SW)	0	1	504075 357051

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	H8SE (SE)	0	1	505400 357001
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	H5NW (W)	0	1	503075 357379
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	H6SE (SW)	0	1	504075 357051
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	H8SE (SE)	0	1	505400 357001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Contemporary Trade Directory Entries** Name: Microwavemarketing.Com Ltd Location: Scopwick Lodge, Scopwick Heath, Metheringham, LINCOLN, LN4 3DL Classification: Radio Communication Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	H11NW (N)	980	-	504358 358136
18	**Fuel Station Entries** Name: Digby Aerodrome Post Office And Filling Station Location: B1191 , Ashby De La Launde , Lincoln, Lincolnshire, LN4 3JD Brand: OBSOLETE Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	H4SW (SE)	61	-	505104 356483

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Ancient Woodland** Name: Long Wood Reference: 1115437 Area(m²): 53986.75 Type: Ancient and Semi-Natural Woodland	(NE)	449	7	505970 359218
20	**Ancient Woodland** Name: Long Wood Reference: 1115437 Area(m²): 28712.75 Type: Plantation on Ancient Woodland	(NE)	696	7	505706 359154
21	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	H7NW (NW)	0	3	504604 357379
22	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	H7NW (NW)	0	3	504604 357379

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

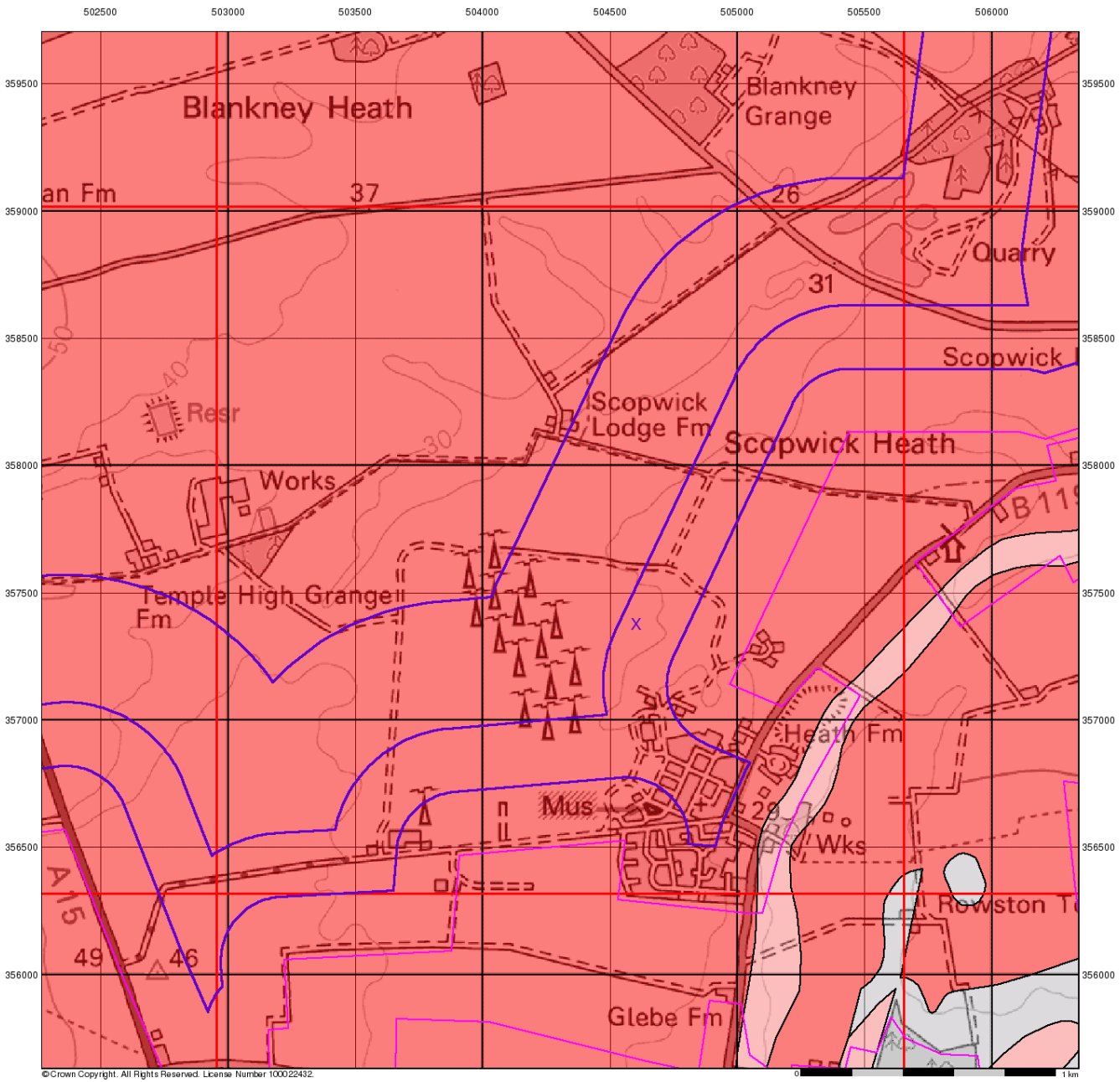
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



RSK

Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

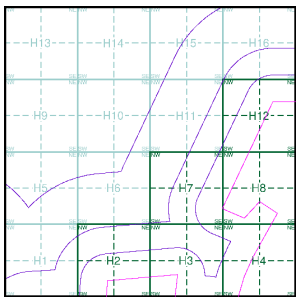
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice H



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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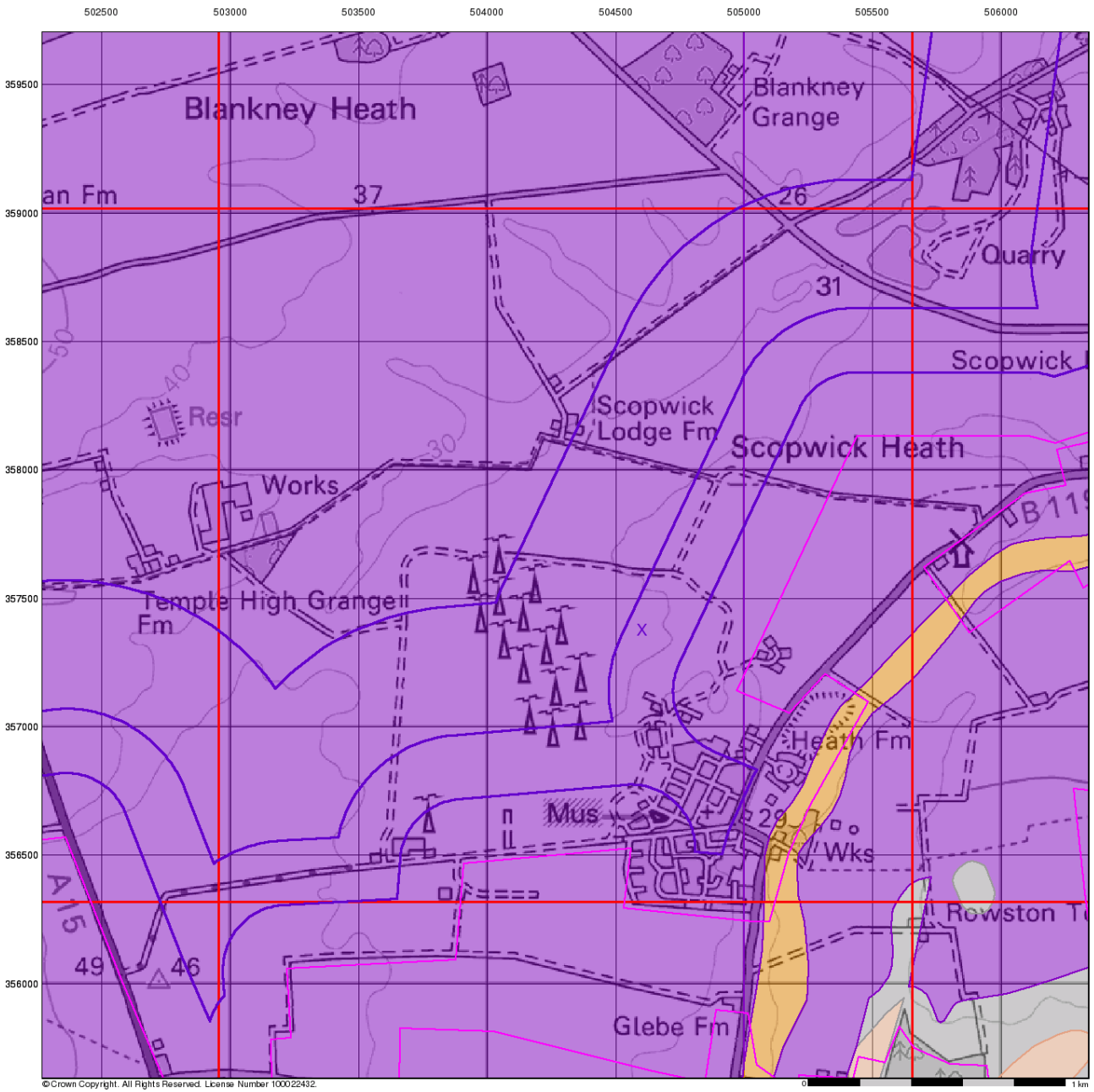
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

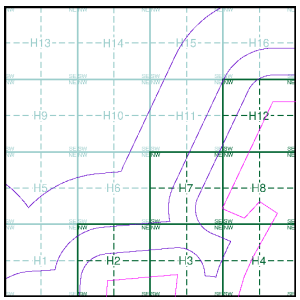
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice H



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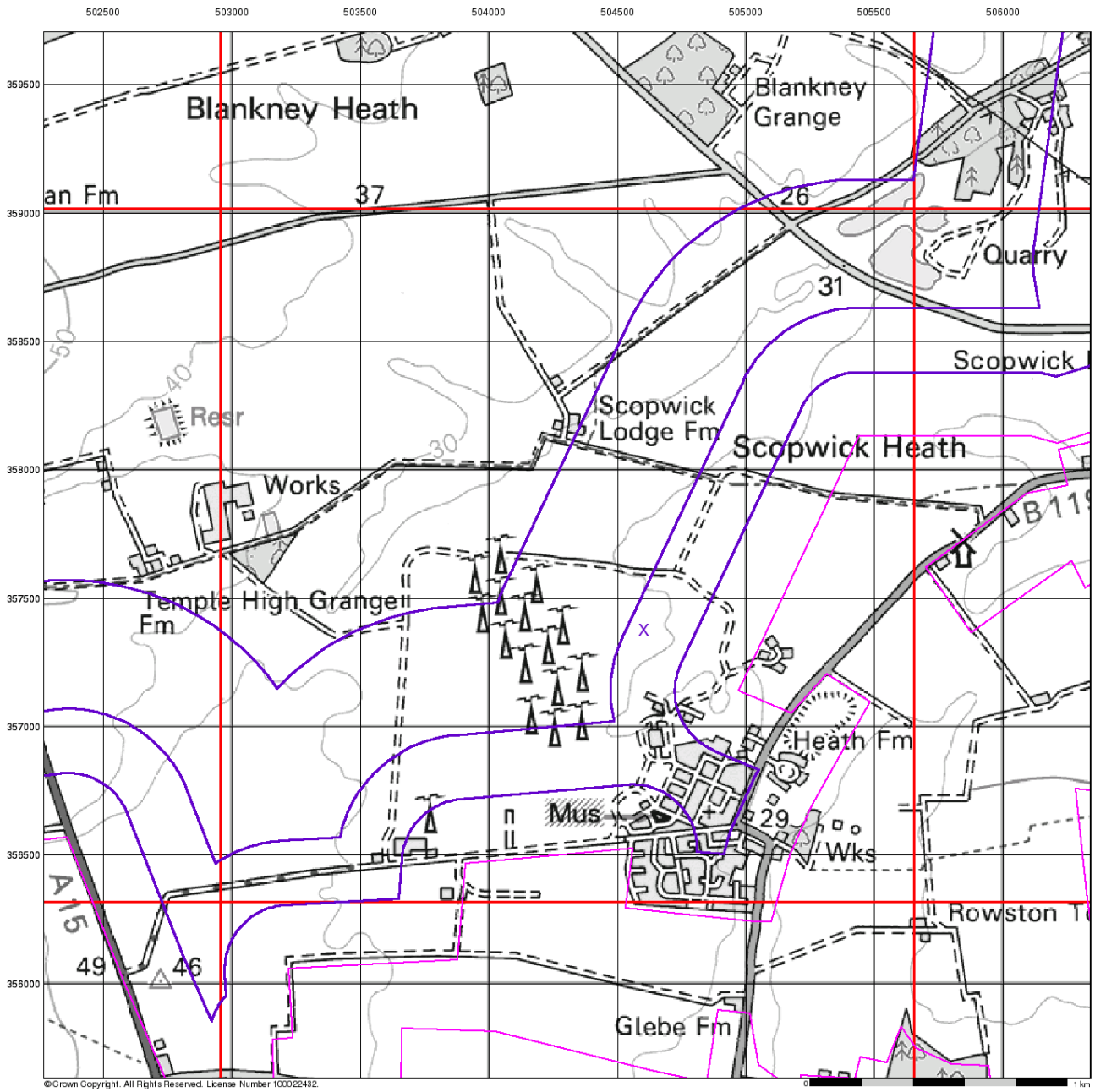


RSK

Superficial Aquifer Designation

General

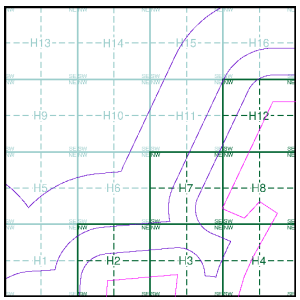
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice H



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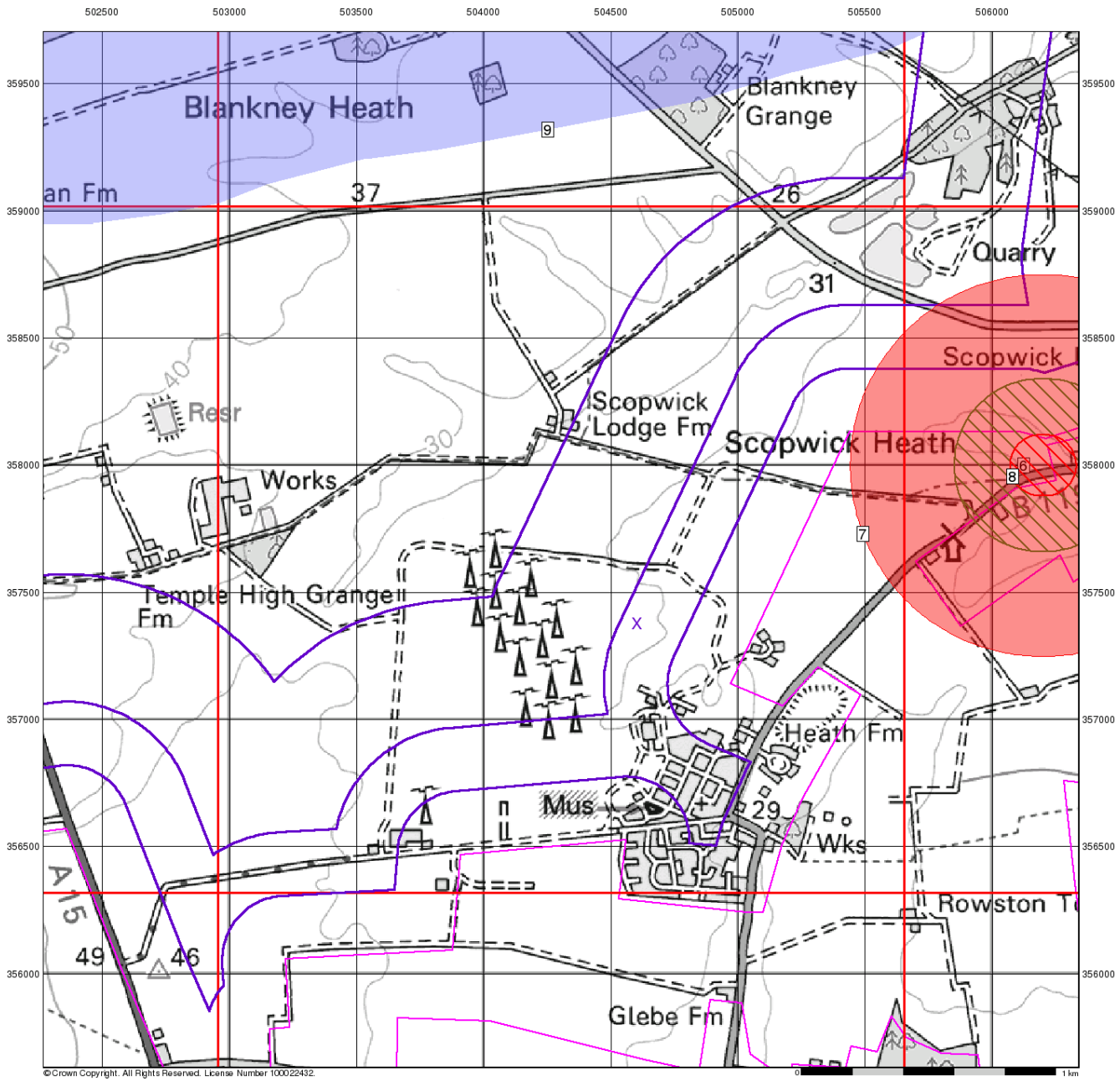

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Source Protection Zones

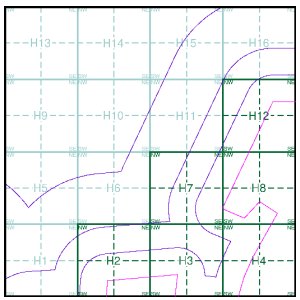
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice H



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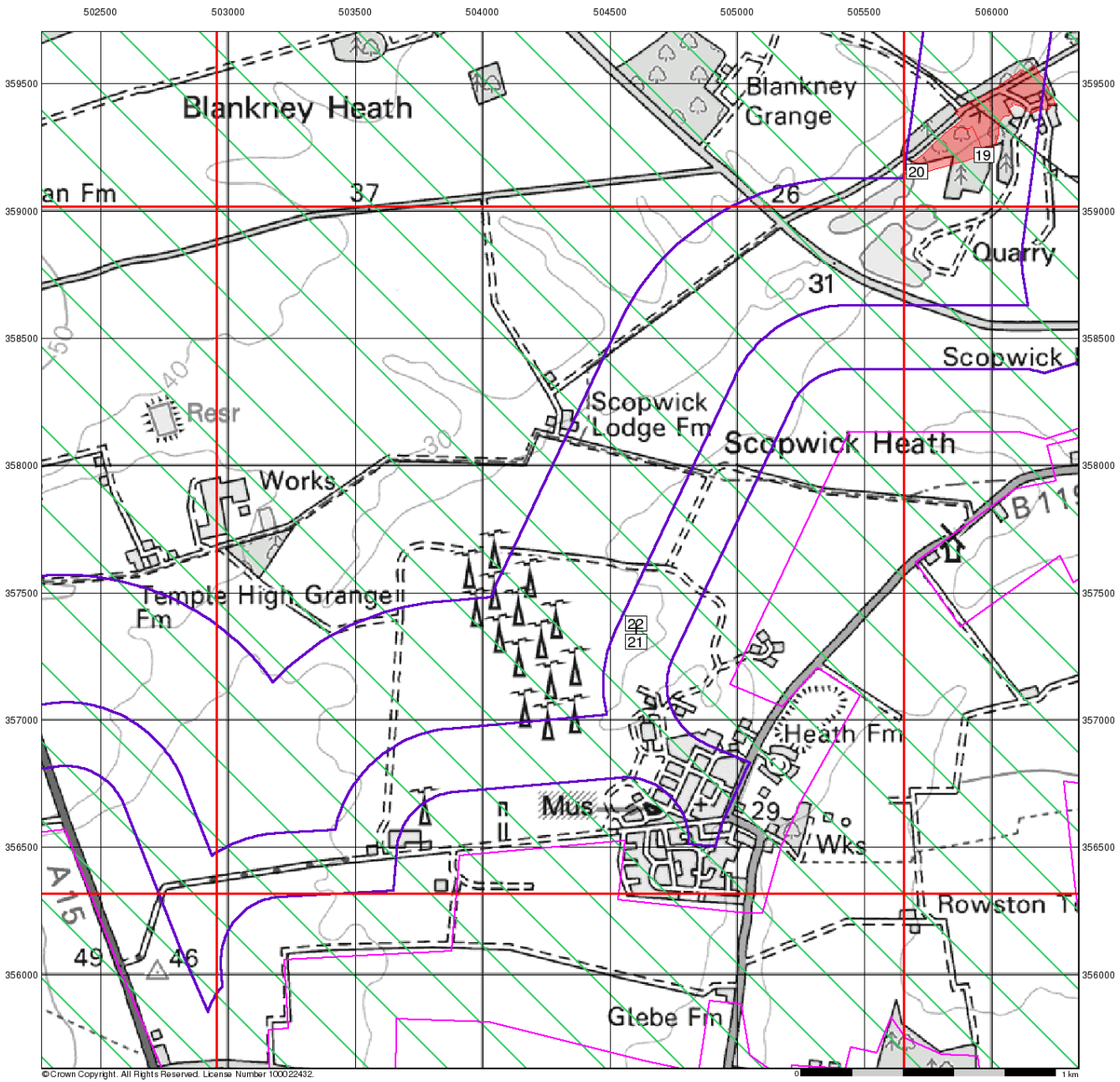

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Sensitive Land Uses

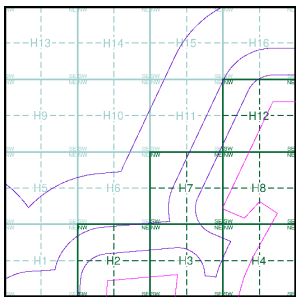
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice H



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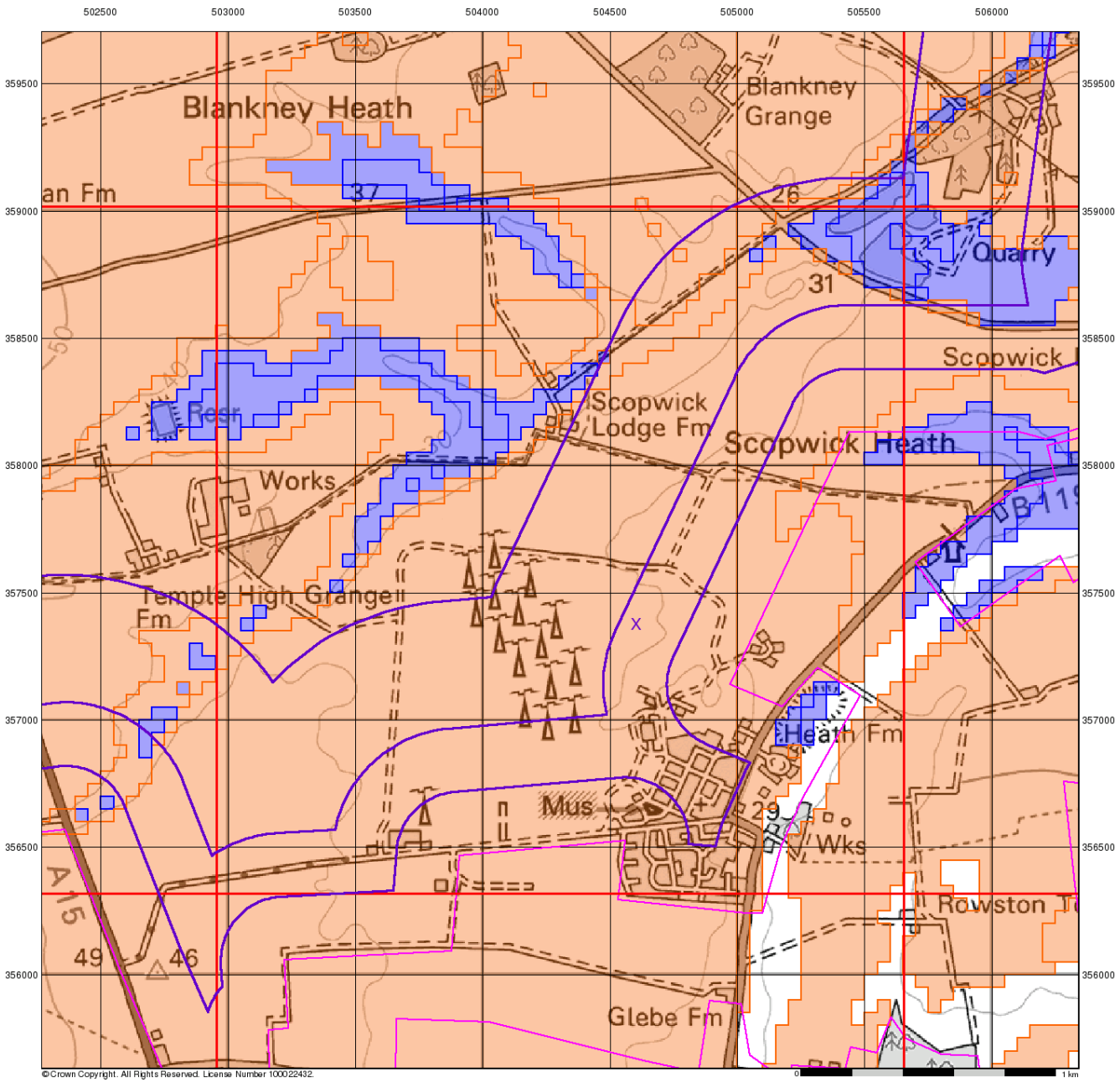

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BGS Flood GFS Data

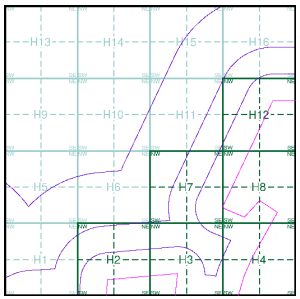
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice H



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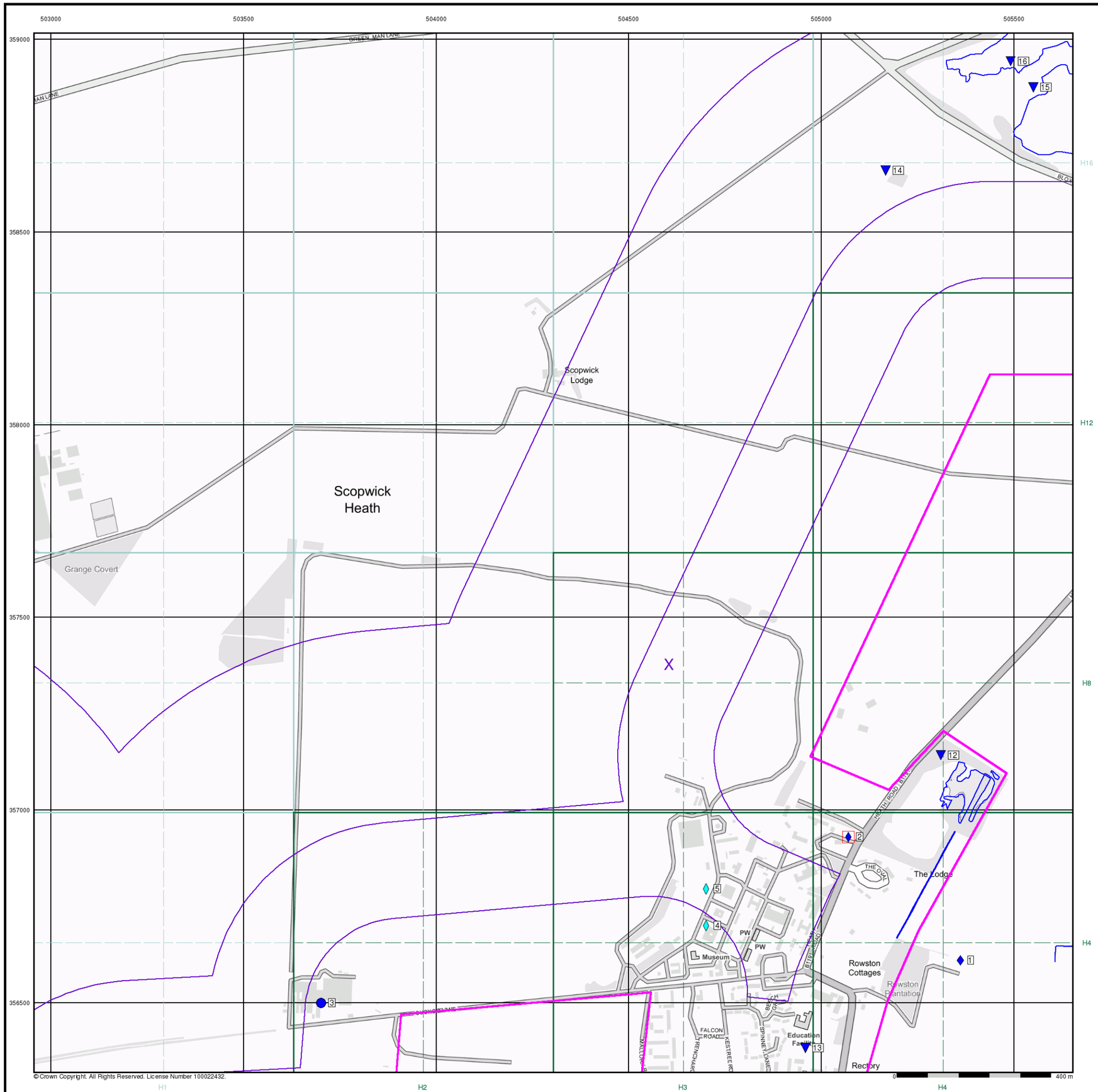

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

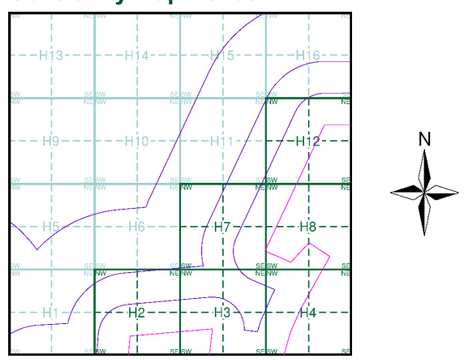
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice H



Order Details

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Slice:	H
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Search Buffer (m):	1000

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Industrial Land Use Map

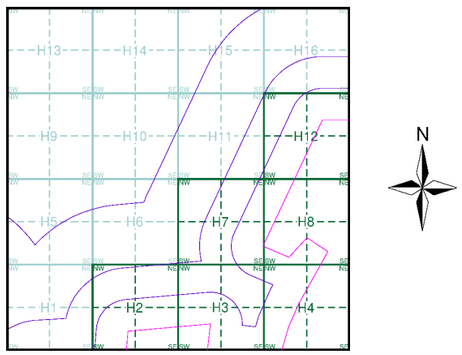
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice H



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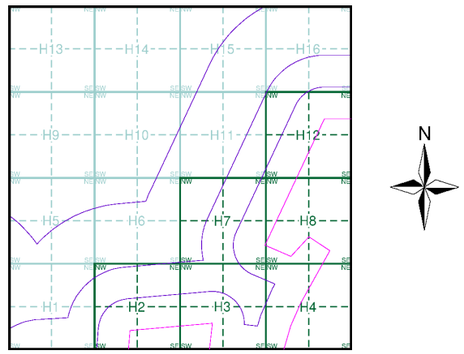
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice H



Order Details

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Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

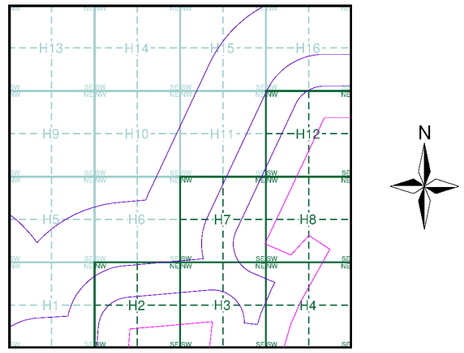
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice H



Order Details

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Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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503000 503500 504000 504500 505000 505500

359000 358500 358000 357500 357000 356500

GREEN MAN LANE

Scopwick Lodge

Scopwick Heath

Grange Covert

X

H16 H12 H8 H4

H1 H2 H3 H4

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0 400 m

HEATH ROAD LINK

THE OVAL

The Lodge

PW PW

Museum

HEATH ROAD

Rowston Cottages

Rowston Plantation

BECKSIDE

FALCON ROAD

KESTREL RD

SPINNEY LANE

Education Facility

Rectory

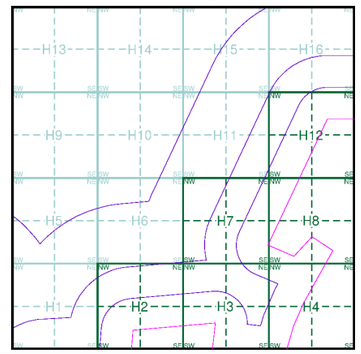
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice H



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
504600, 357380

Slice:
H

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	2
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	3
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	4
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	6
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	7
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1		2		3
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2	4		n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 3	1	2		3
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 3		1		3
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes		n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Scopwick Heath Location: Scopwick Heath, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134885 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	H8SW (E)	34	1	505310 357147
2	**BGS Recorded Mineral Sites** Site Name: Heath Farm Stone Pit Location: Scopwick Heath, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 136049 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Upper Lincolnshire Limestone Member Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	H3SE (S)	139	1	504958 356387
3	**BGS Recorded Mineral Sites** Site Name: Scopwick Location: Scopwick, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134892 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	H16SW (NE)	599	1	505166 358664
4	**BGS Recorded Mineral Sites** Site Name: Longwood Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 227778 Type: Opencast **Status: Dormant** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	H16NE (NE)	750	1	505550 358880
5	**BGS Recorded Mineral Sites** Site Name: Blankney Stone Pit Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134891 Type: Opencast **Status: Ceased** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	H16NE (NE)	818	1	505491 358948
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Extractive Industries or Potential Excavations from 1950-1980** Use: Quarry (Disused) First Map Published Date: 1979 Last Map Published Date: Not Applicable	H8SW (SE)	0	-	505170 357015
7	**Extractive Industries or Potential Excavations from 1950-1980** Use: Filter Beds First Map Published Date: 1979 Last Map Published Date: N/A	H4SE (SE)	0	-	505386 356578
8	**Extractive Industries or Potential Excavations from 1950-1980** Use: Filter Beds First Map Published Date: 1979 Last Map Published Date: N/A	H4SE (SE)	0	-	505376 356606
9	**Extractive Industries or Potential Excavations from 1950-1980** Use: Sewage Works First Map Published Date: 1979 Last Map Published Date: N/A	H4SW (SE)	0	-	505281 356637

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**General Quarrying** Use: Not Supplied Date of Mapping: 1985	H8SW (SE)	0	-	505168 357013
11	**General Quarrying** Use: Not Supplied Date of Mapping: 1891 - 1951	H8SW (E)	2	-	505267 357148
12	**General Quarrying** Use: Not Supplied Date of Mapping: 1891 - 1951	H3SE (S)	102	-	504937 356427
13	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	H16SW (N)	558	-	505108 358611
14	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	H16NE (NE)	797	-	505475 358934
15	**General Quarrying** Use: Not Supplied Date of Mapping: 1891 - 1956	H11NW (N)	984	-	504356 358186
16	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	H3SE (S)	102	-	504937 356427
17	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	H16SW (N)	558	-	505108 358611
18	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	H16NE (NE)	797	-	505475 358934
19	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	H11NW (N)	984	-	504356 358186

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
20	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
21	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
22	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
23	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
24	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	H3SW (S)	0	1	504568 356599
25	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	H4SW (SE)	0	1	505000 356579
26	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	506044 355685
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	505836 356450
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H4SE (SE)	0	1	505639 356377
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H8SE (SE)	0	1	505343 357031
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(S)	49	1	505000 355685
27	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	H4NW (SE)	0	1	505270 356874
28	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
29	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
30	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	505836 356450

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	H4SE (SE)	0	1	505639 356377
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H8NW (E)	0	1	505000 357379
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	H7NW (NW)	0	1	504604 357379
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SE)	0	1	506044 355685

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0456	1979
Ordnance Survey Plan	TF0456	1979
Ordnance Survey Plan	TF0456	1979
Ordnance Survey Plan	TF0456	1979
Ordnance Survey Plan	TF0456	1979
Ordnance Survey Plan	TF0457	1979
Ordnance Survey Plan	TF0457	1979
Ordnance Survey Plan	TF0457	1979
Ordnance Survey Plan	TF0458	1979
Ordnance Survey Plan	TF0556	1979
Ordnance Survey Plan	TF0556	1979
Ordnance Survey Plan	TF0557	1979
Ordnance Survey Plan	TF0557	1979
Ordnance Survey Plan	TF0558	1979
Ordnance Survey Plan	TF0356	1980

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	087_NW	1891
Lincolnshire	087_SW	1891
Lincolnshire	087_NW	1906
Lincolnshire	087_SW	1906
Lincolnshire	087_NW	1947
Lincolnshire	087_SW	1951
Ordnance Survey Plan	TF05NE	1956
Ordnance Survey Plan	TF05NW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF05NE	1985
Ordnance Survey Plan	TF05NW	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

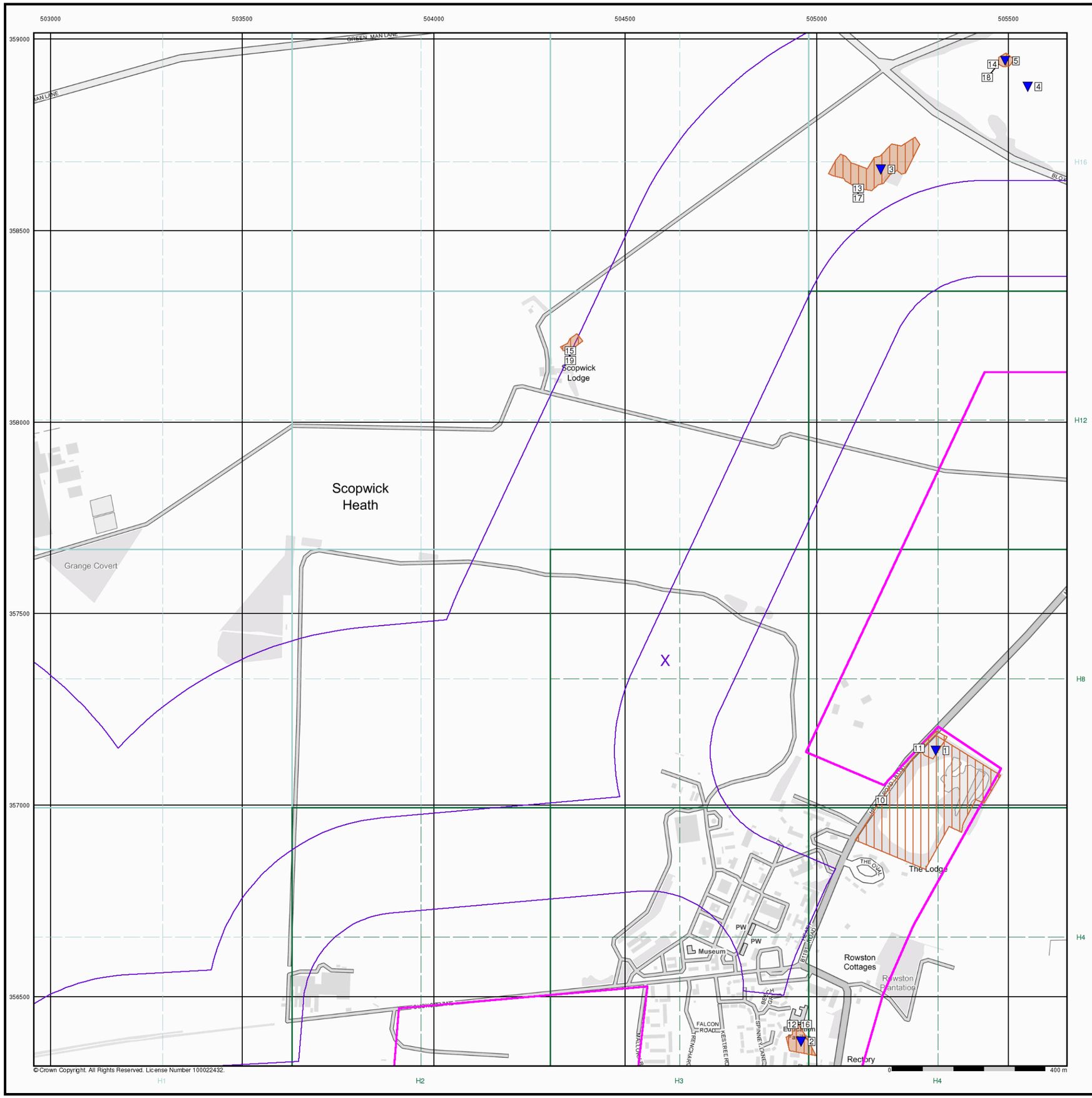
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆	—	▨
Disturbed Ground	◆	—	▨
General Quarrying	◆	—	▨
Heap, unknown constituents	◆	—	▨
Mineral Railway	◆	—	▨
Mining and Quarrying General	◆	—	▨
Mining of Coal & Lignite	◆	—	▨
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆	—	▨

Historical Land Use

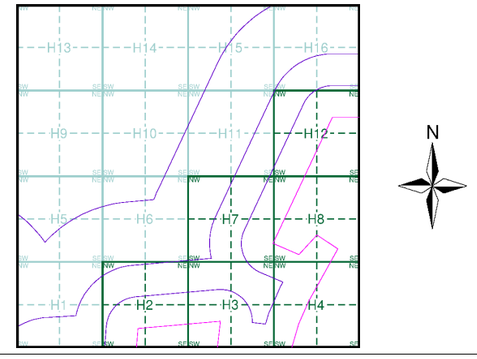
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●	- - -	▭
Potentially Infilled Land (Water)	●	- - -	▭
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice H



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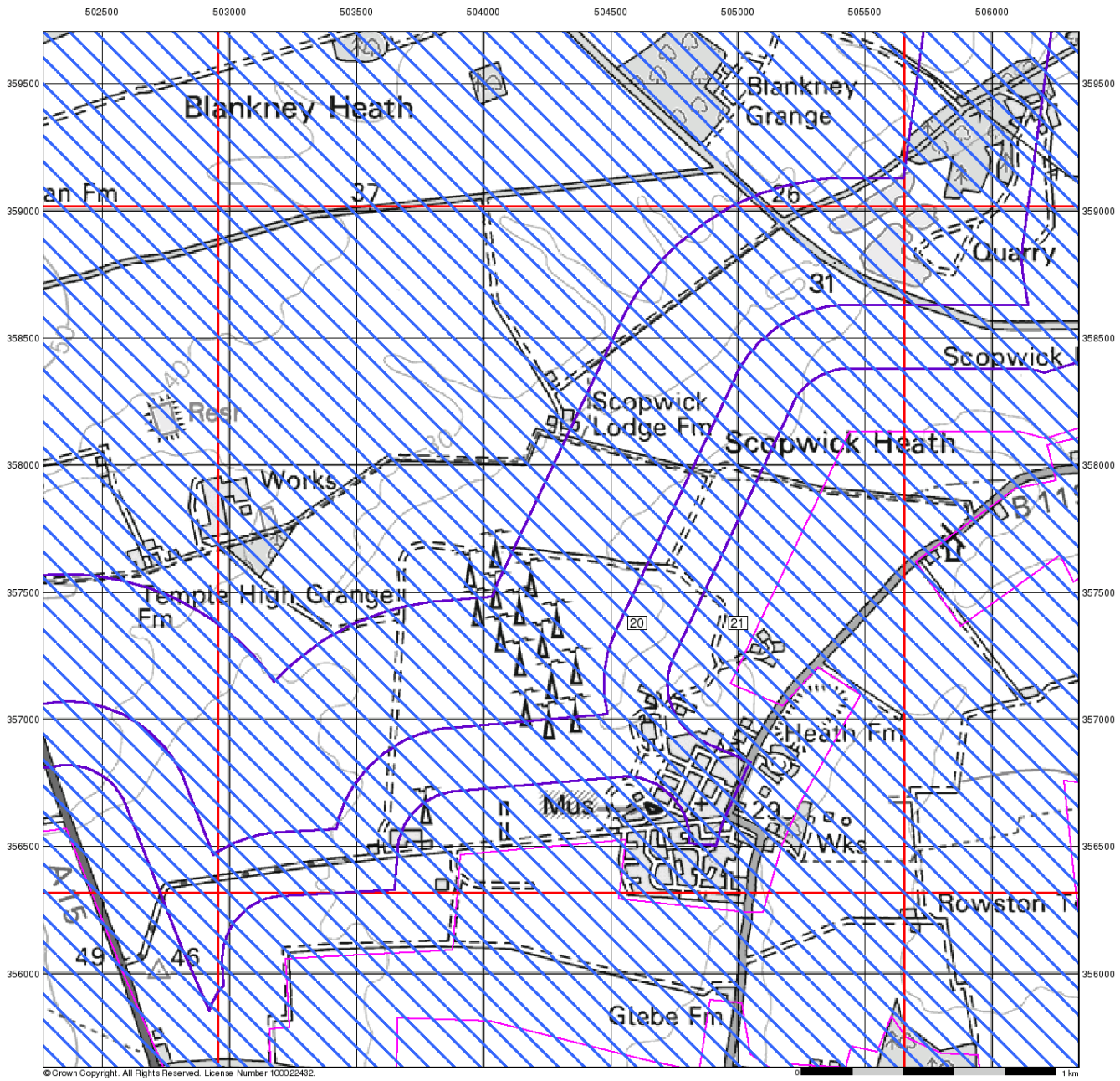

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

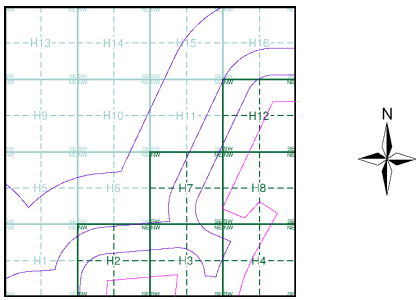
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice H



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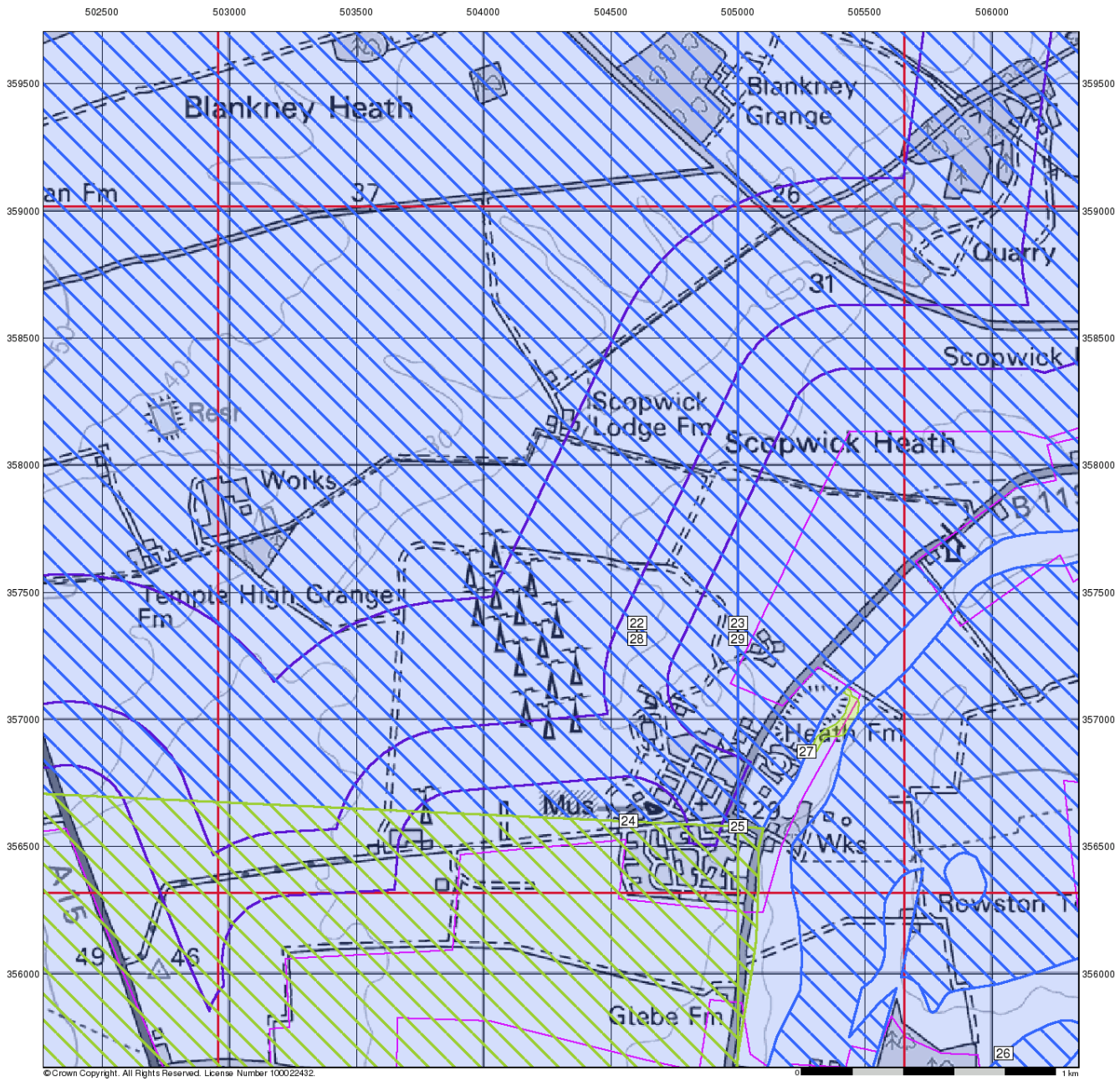

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

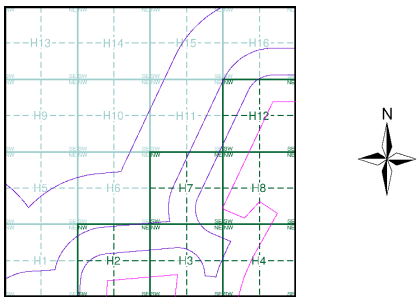
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice H



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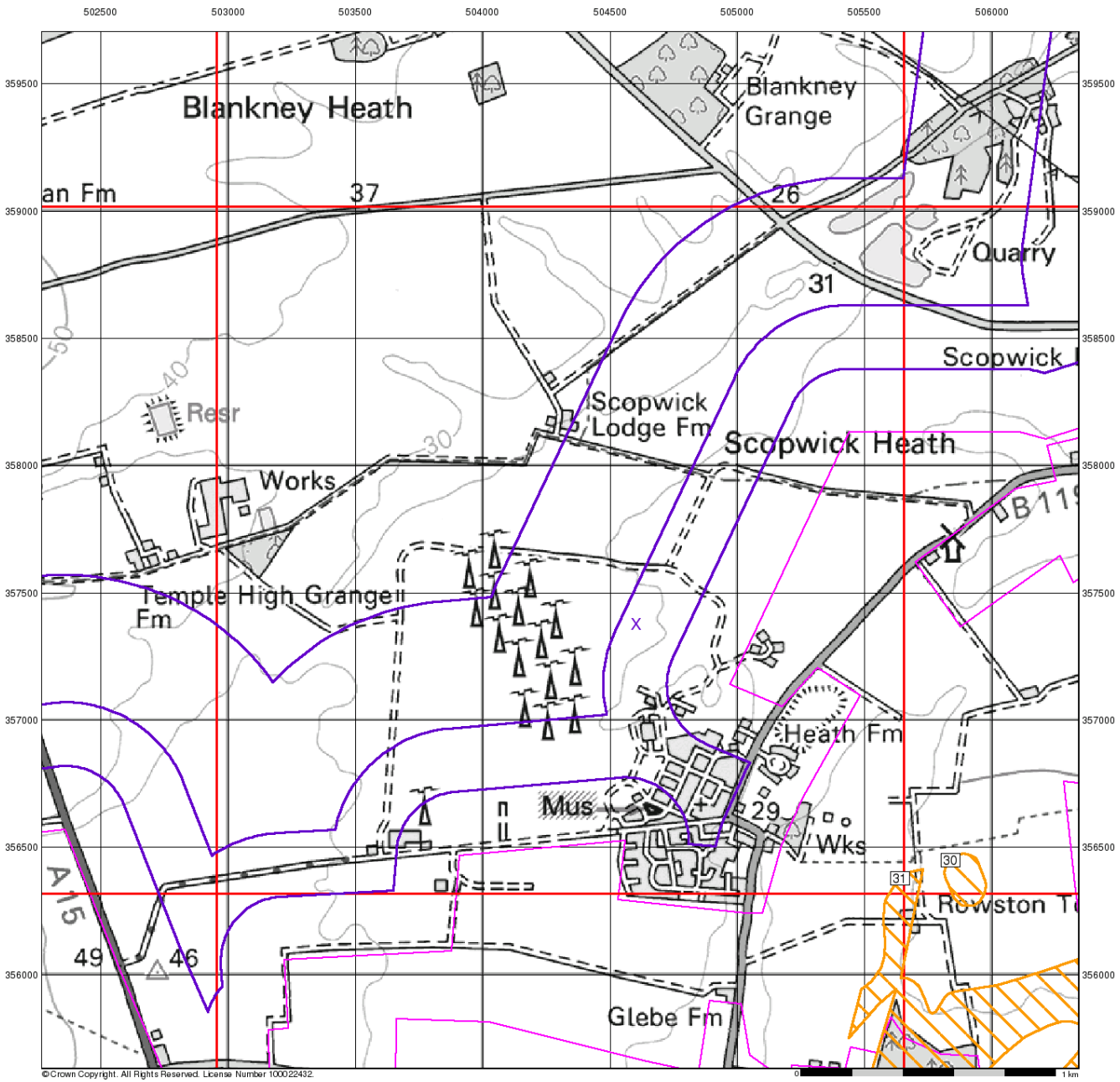

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

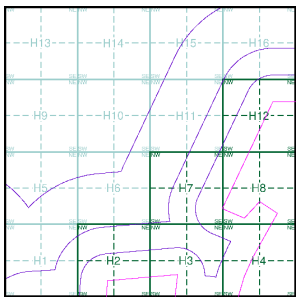
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice H



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Sloping Masonry
Pylon
Electricity Transmission Line
Pole
Cutting
Embankment
Standard Gauge Multiple Track
Standard Gauge Single Track
Road Under
Road Over
Level Crossing
Foot Bridge
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

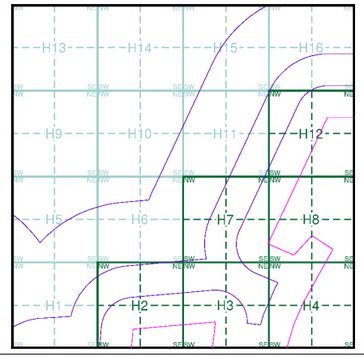
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1947 - 1951	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1985	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice H



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504600, 357380
Slice: H
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

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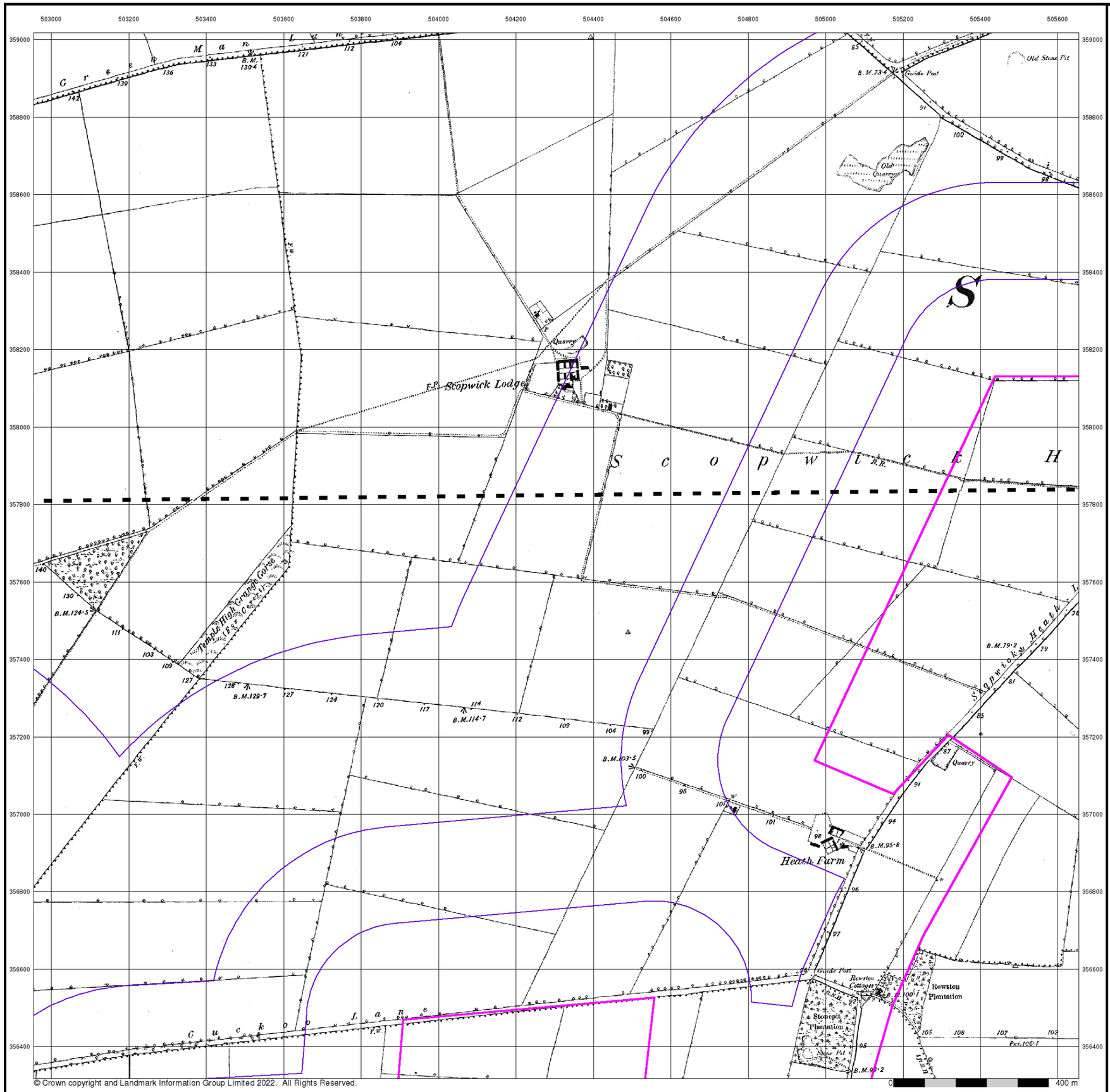

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Lincolnshire

Published 1887

Source map scale - 1:10,560

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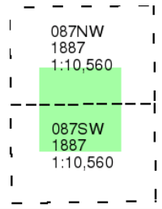
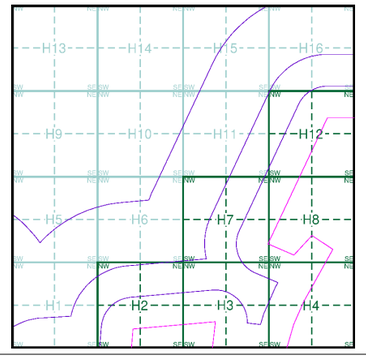
Map Name(s) and Date(s)



Historical Map - Slice H



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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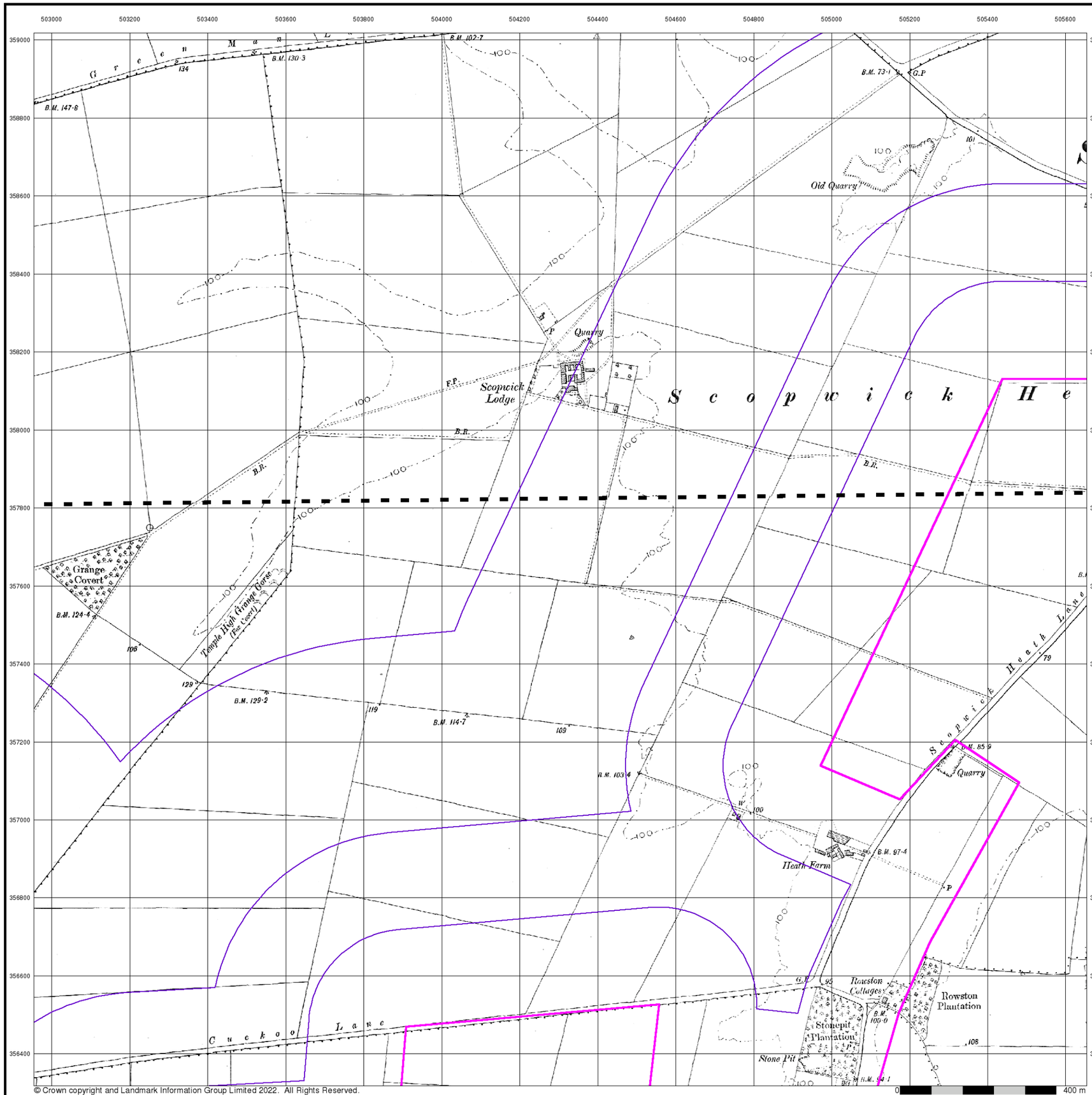

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Lincolnshire

Published 1906

Source map scale - 1:10,560

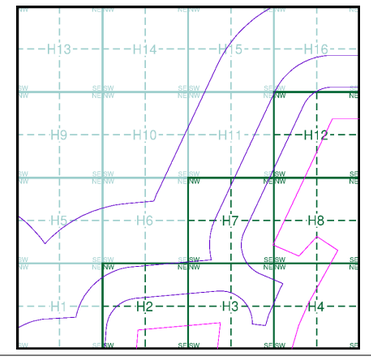
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

087NW
1906
1:10,560

087SW
1906
1:10,560

Historical Map - Slice H



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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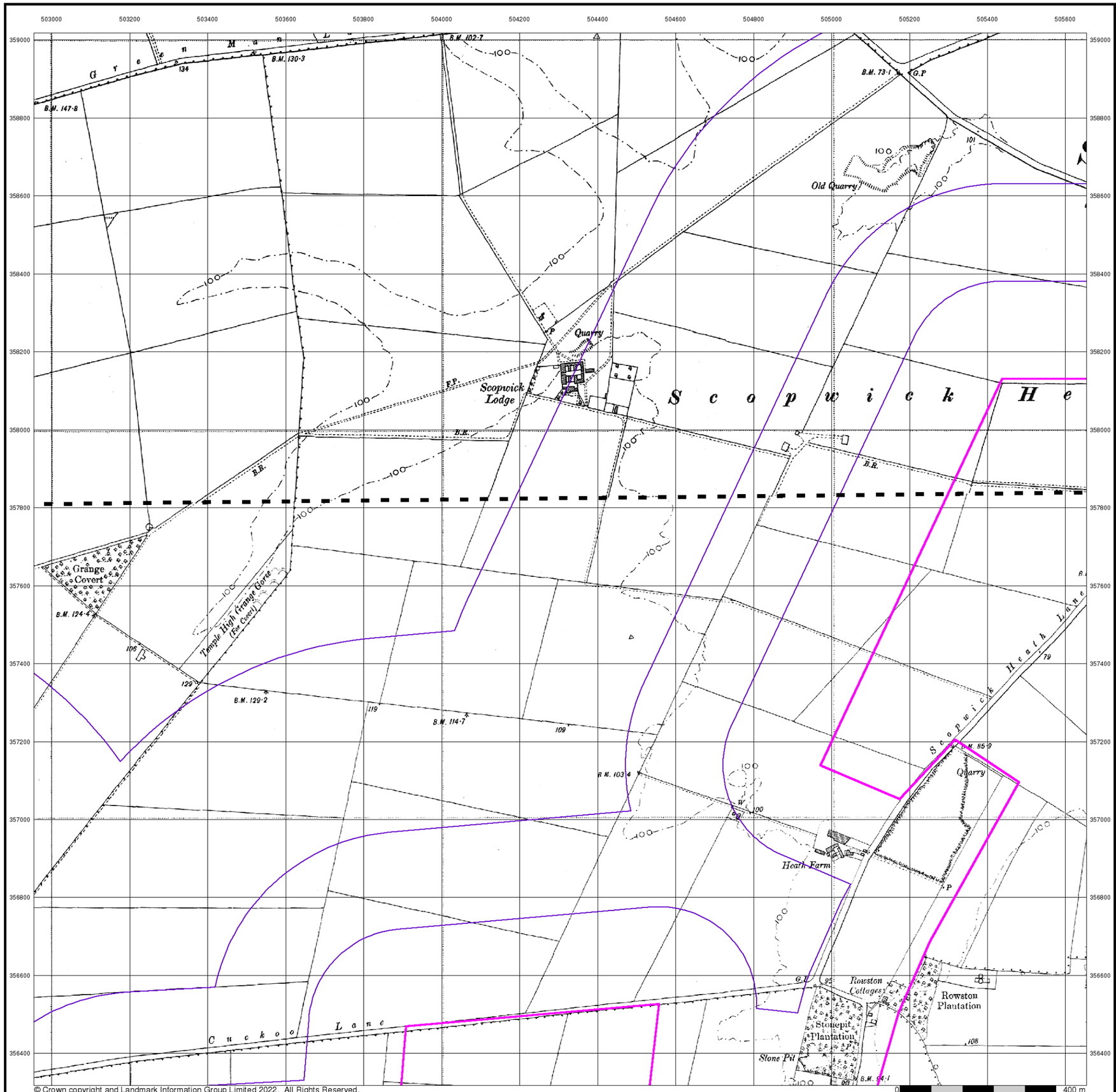

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Lincolnshire

Published 1947 - 1951

Source map scale - 1:10,560

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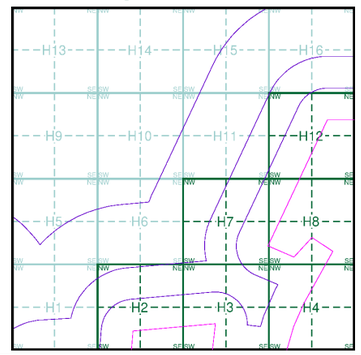
Map Name(s) and Date(s)

087NW
1947
1:10,560

087SW
1951
1:10,560

Historical Map - Slice H



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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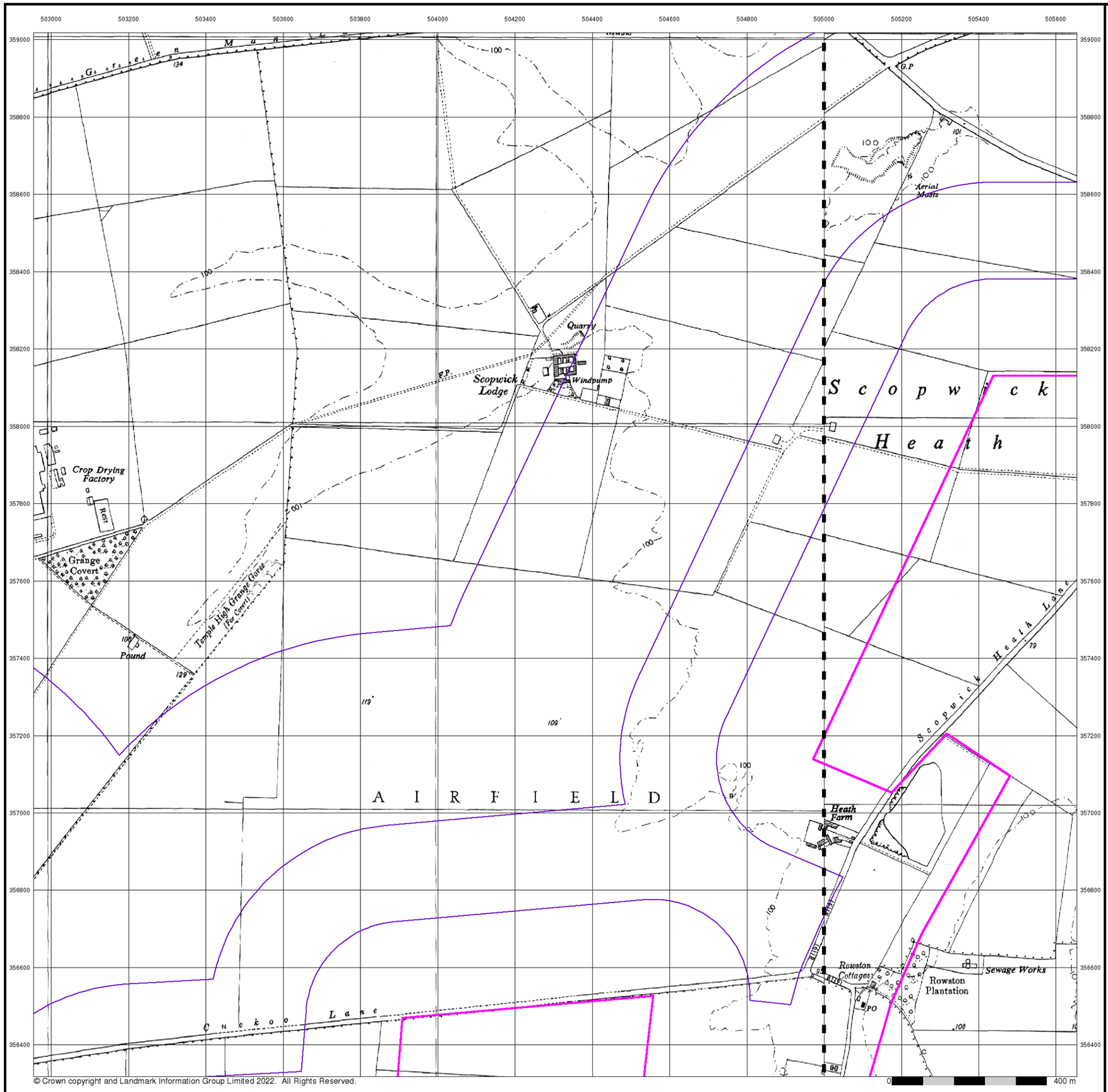

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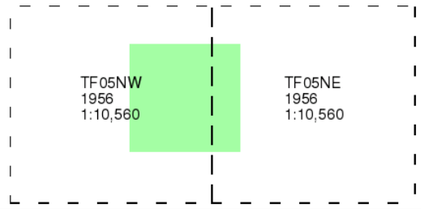
Ordnance Survey Plan

Published 1956

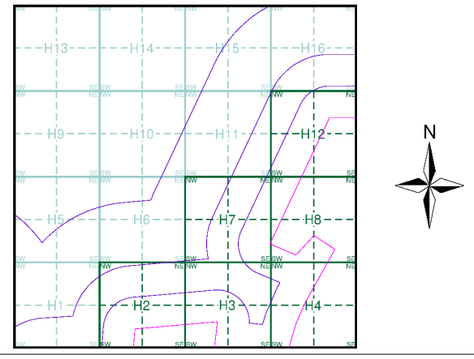
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice H



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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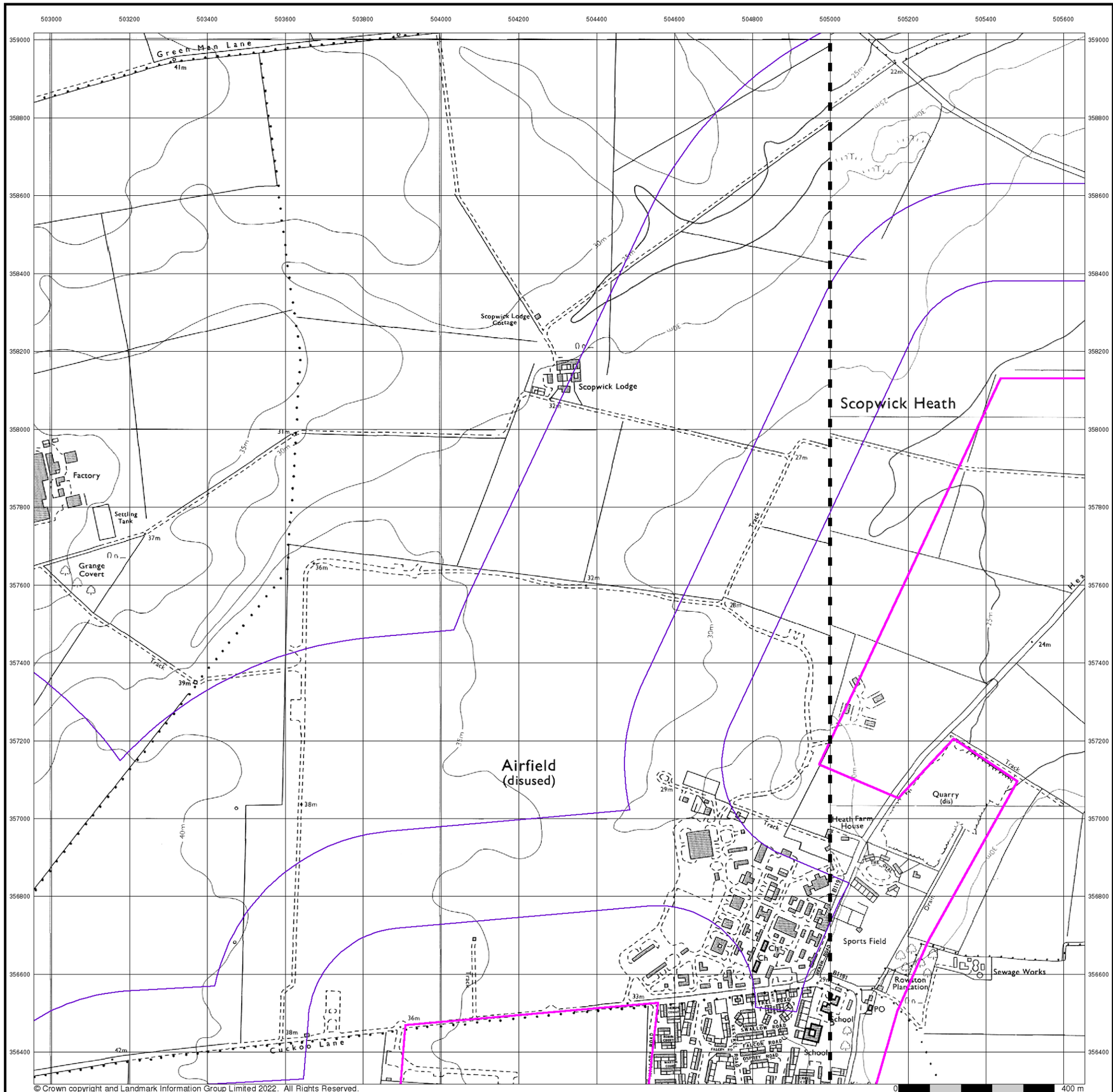
Web: www.envirocheck.co.uk



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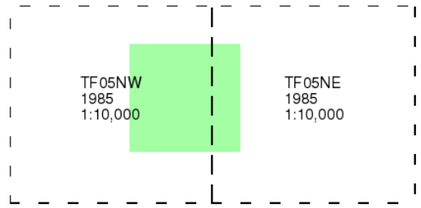
Ordnance Survey Plan

Published 1985

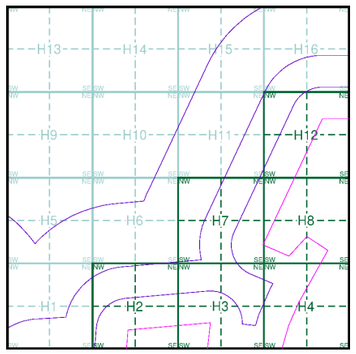
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice H



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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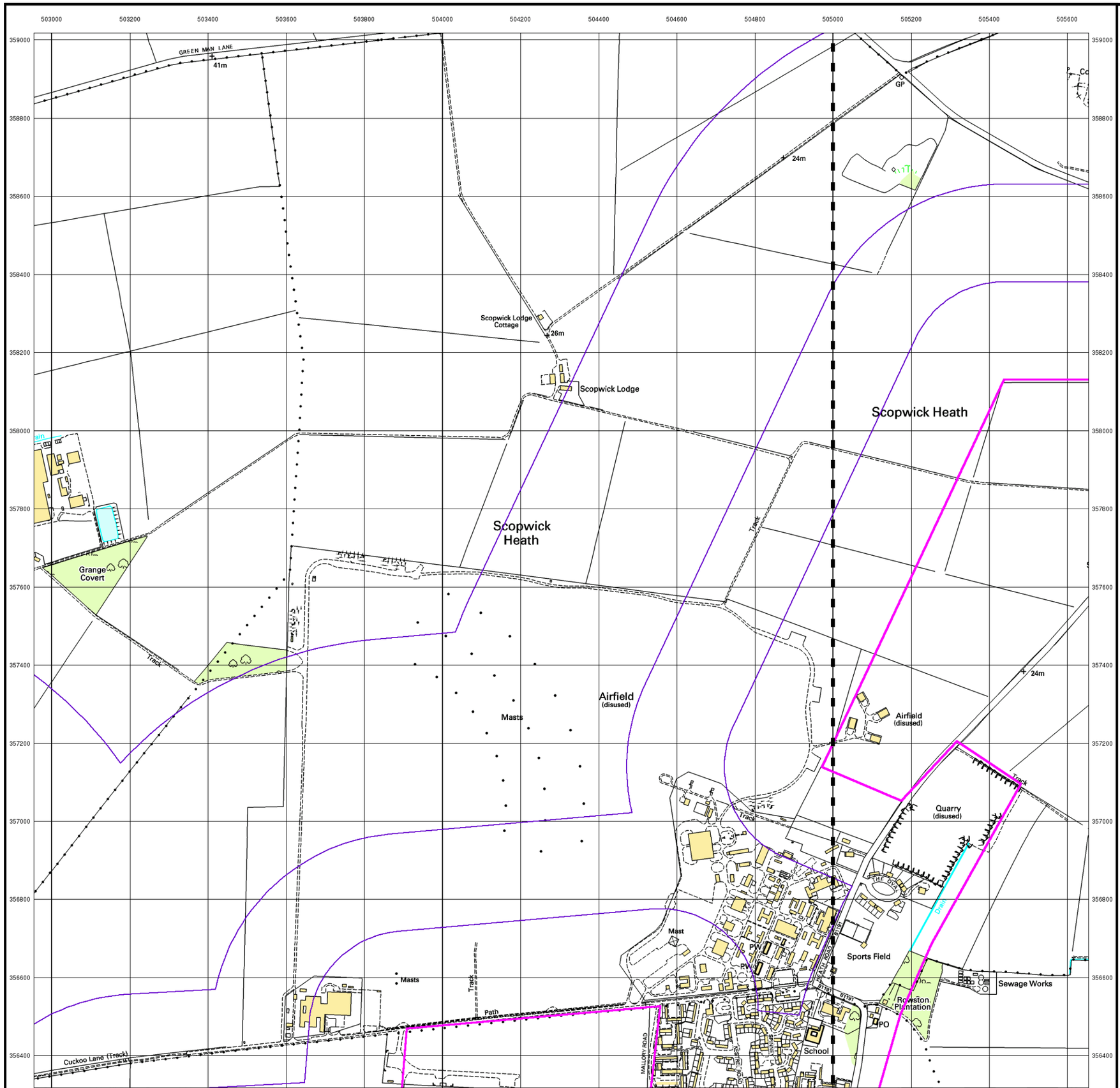
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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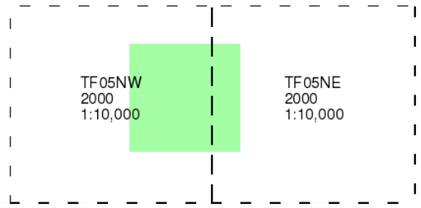
10k Raster Mapping

Published 2000

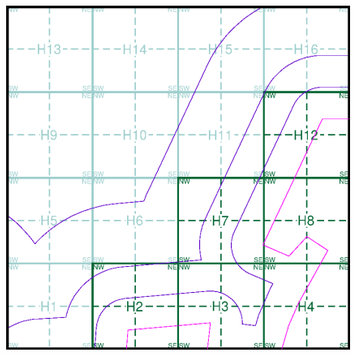
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice H



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Street View

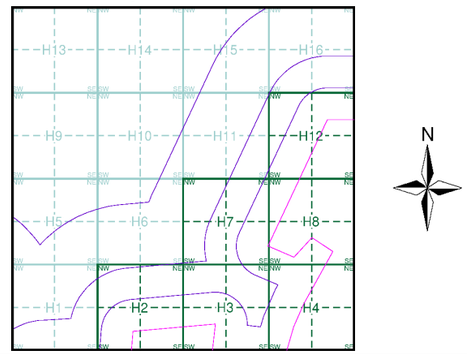
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice H



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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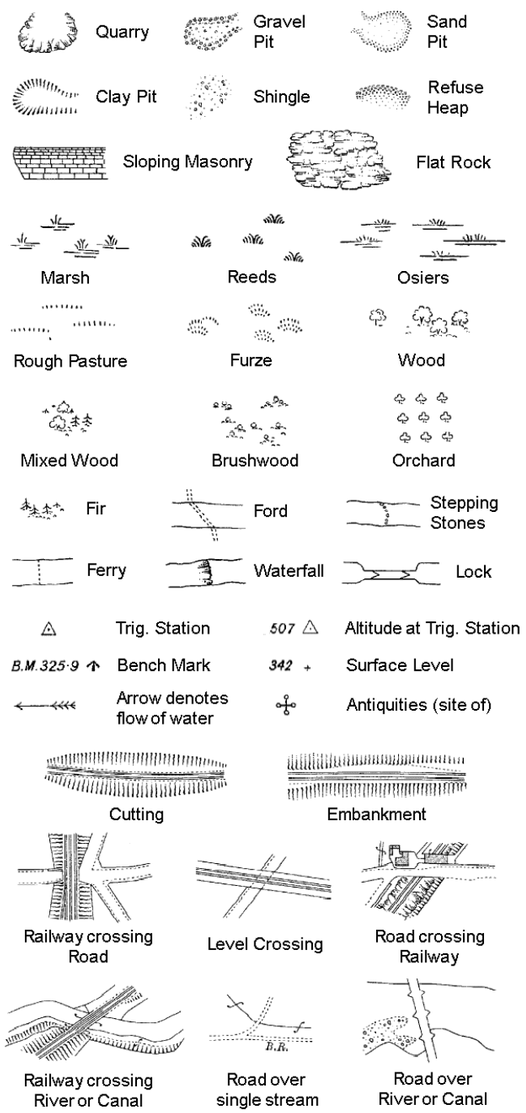
Web: www.envirocheck.co.uk

Historical Mapping Legends

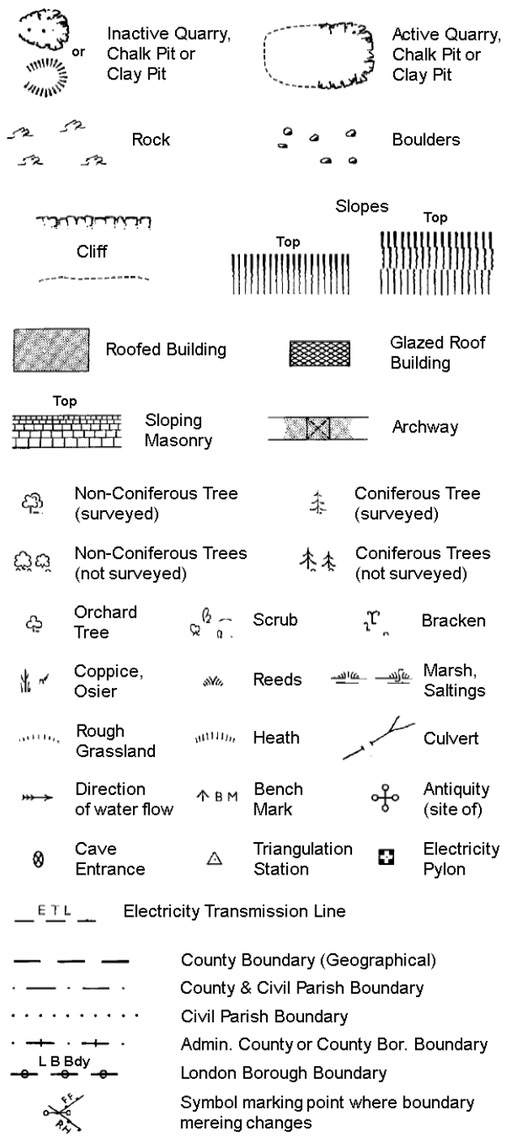
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

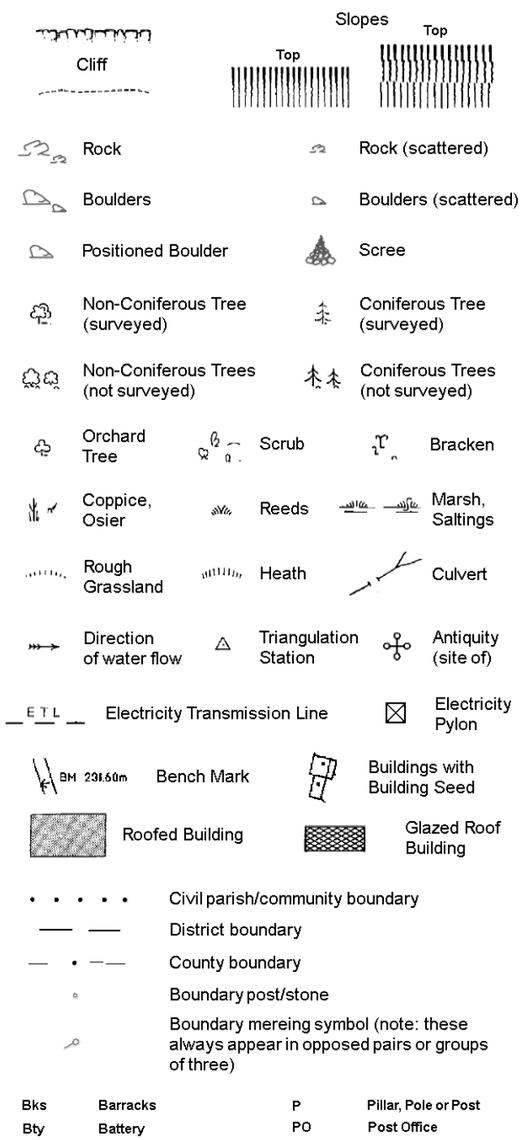
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

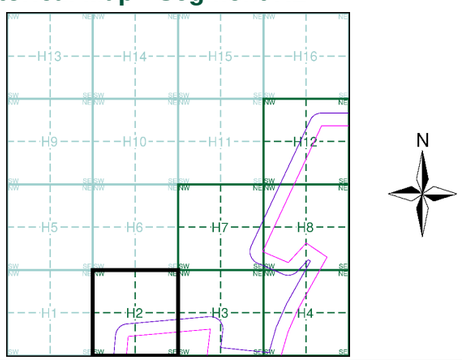
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979 - 1980	4
Large-Scale National Grid Data	1:2,500	1994	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment H2



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504600, 357380
Slice: H
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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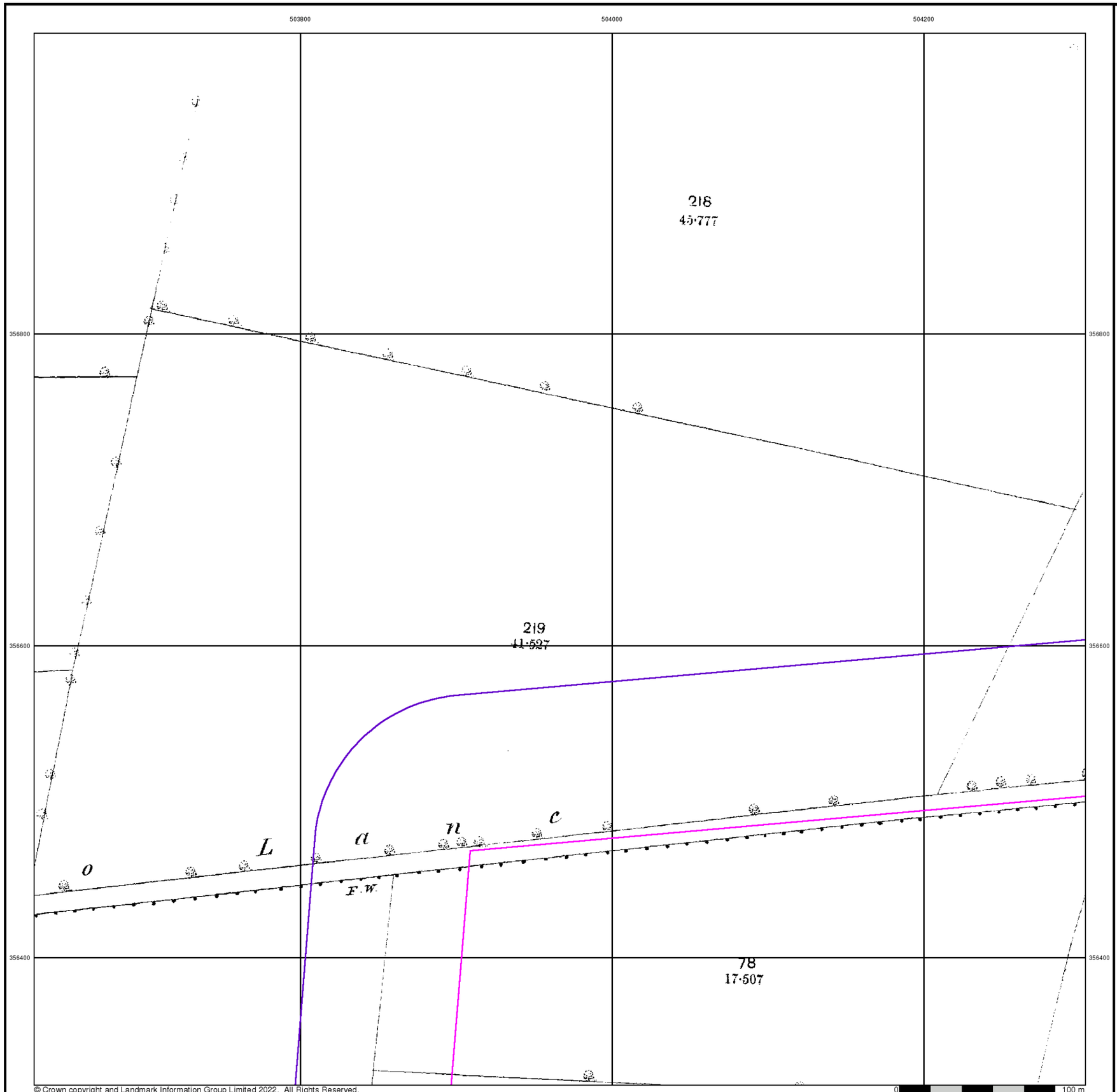

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0 100 m

RSK

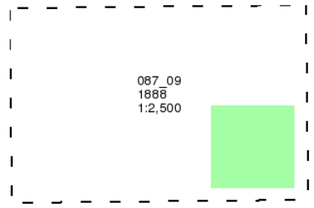
Lincolnshire

Published 1888

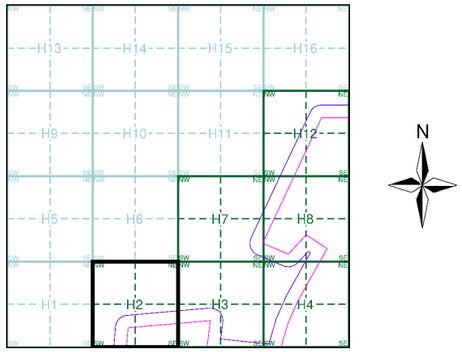
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment H2



Order Details

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Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

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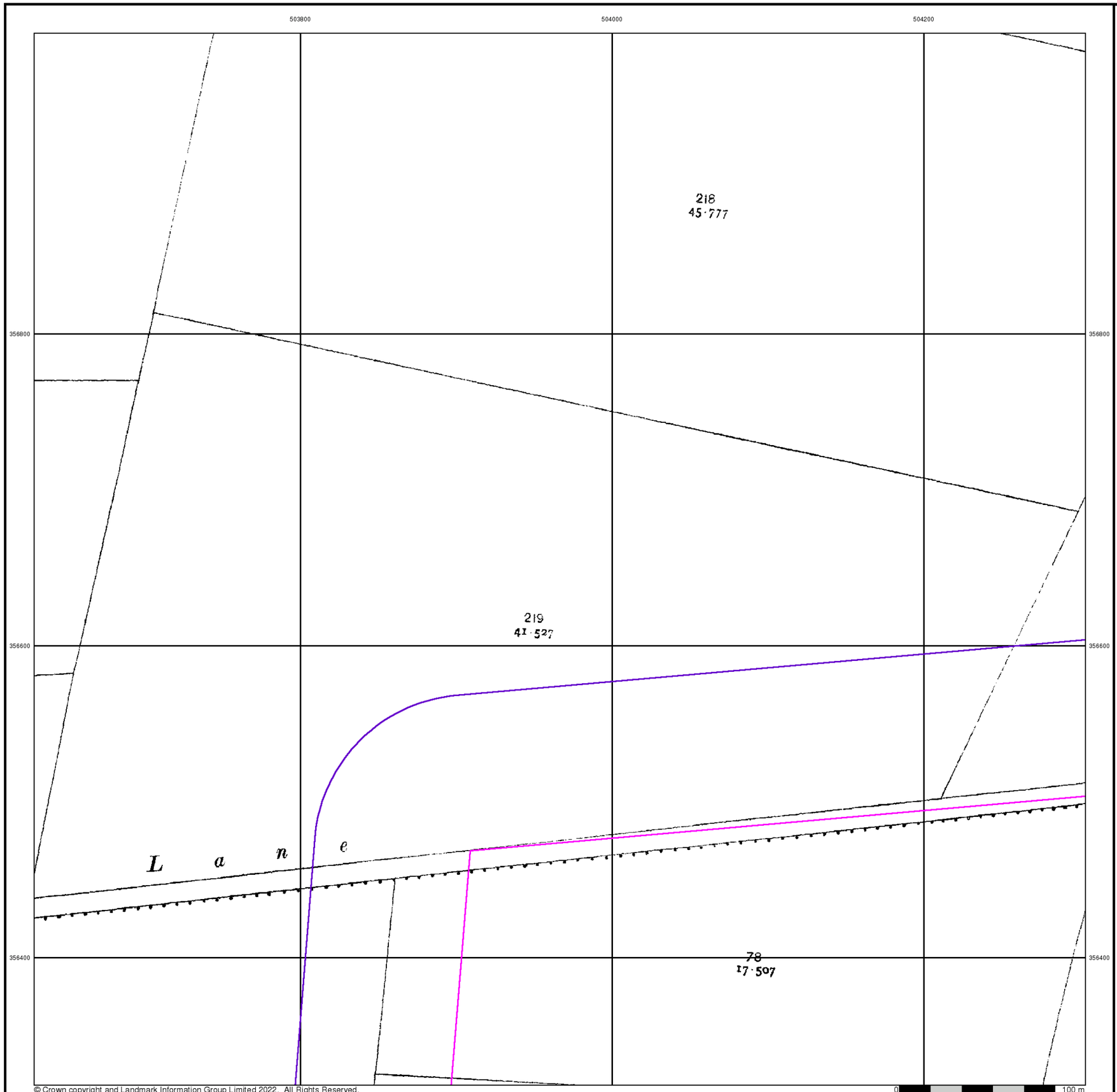

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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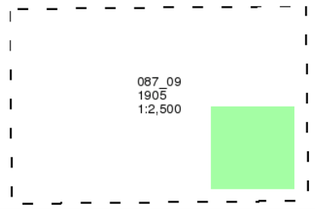
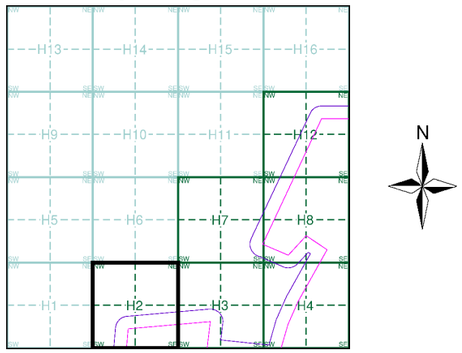


Historical Map - Segment H2



Order Details

Order Number:	303381609_1_1
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National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	100

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503800
504000
504200
356800
356600
356400
7475
27·595ha
68·19
Airfield
(disused)
Airfield
(disused)
0047
·081ha
·20
35·6m
Path
Def
0047
·227ha
·56
2650
·543ha
1·34
0039
2·008ha
4·96
0039
10·158ha
25·10
Track
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0
100 m

RSK

Ordnance Survey Plan

Published 1979 - 1980

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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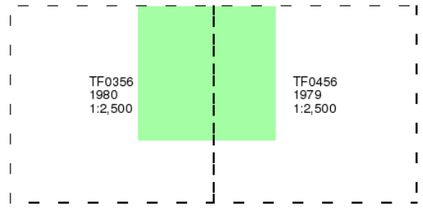
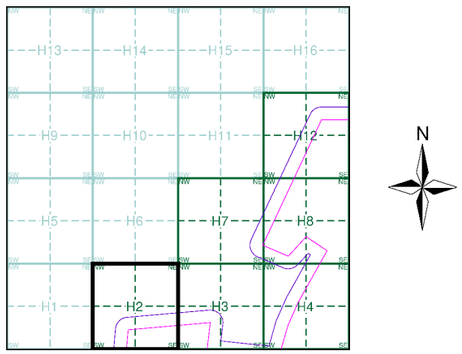


Historical Map - Segment H2



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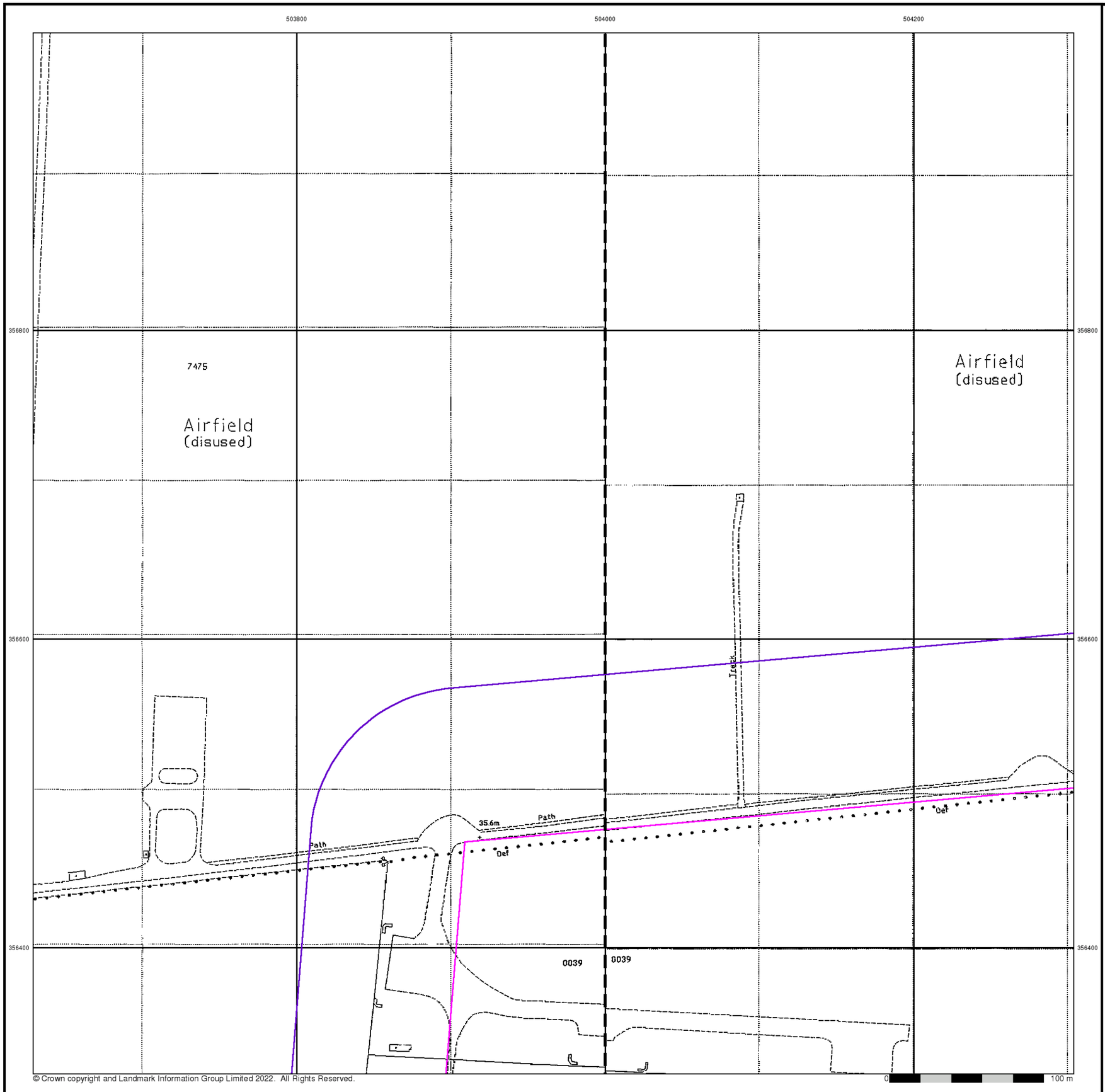

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RSK

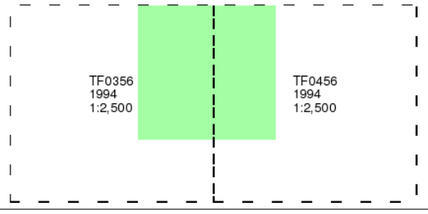
Large-Scale National Grid Data

Published 1994

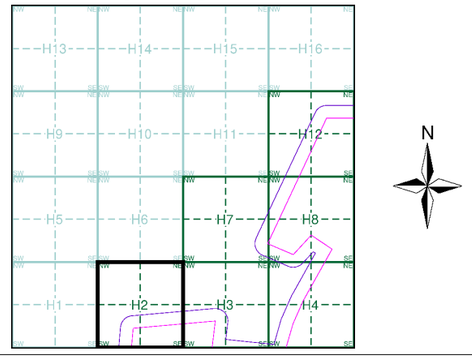
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment H2



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Customer Ref:	P02130089
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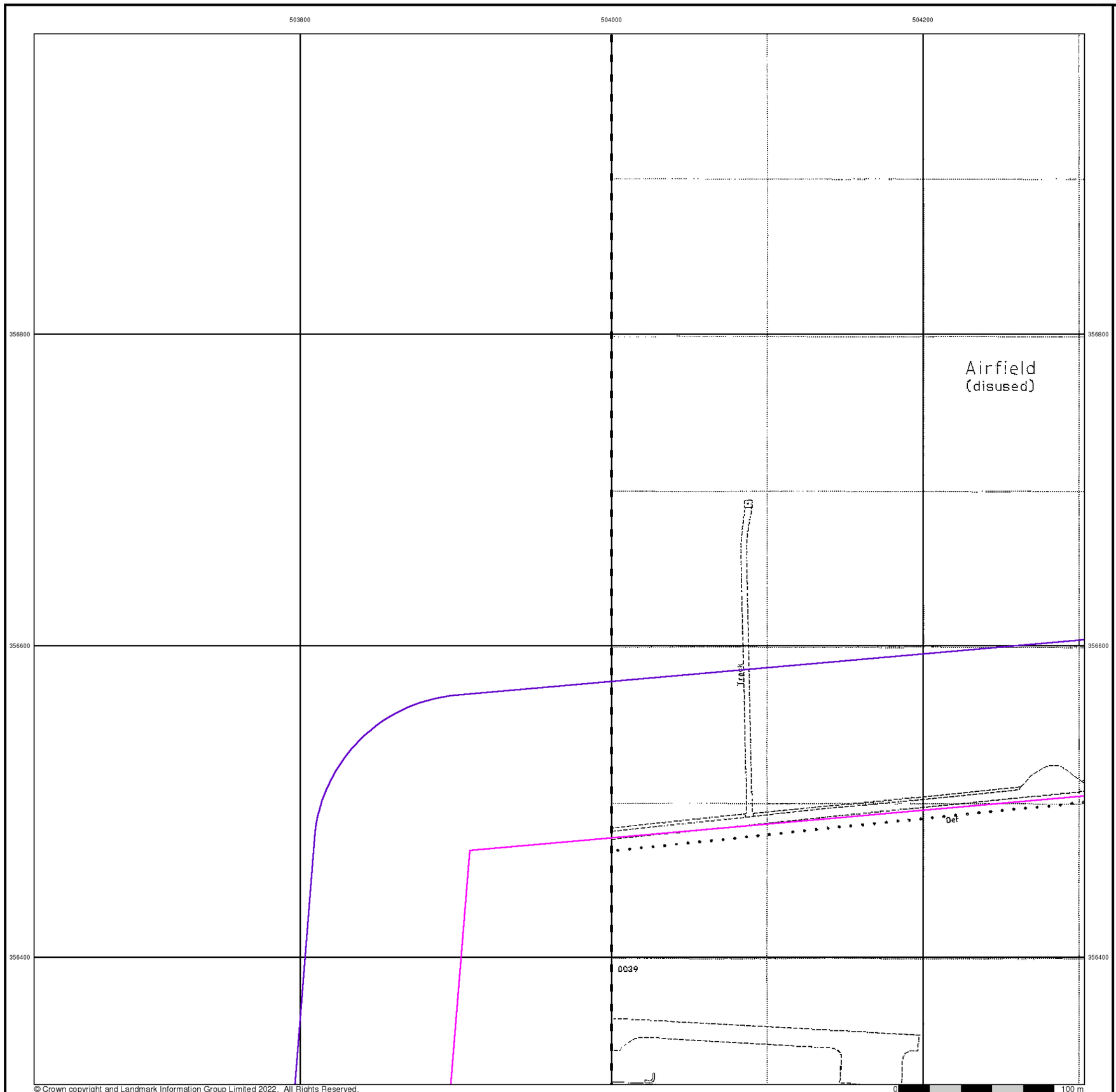

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Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

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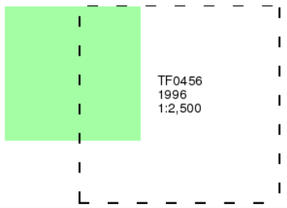
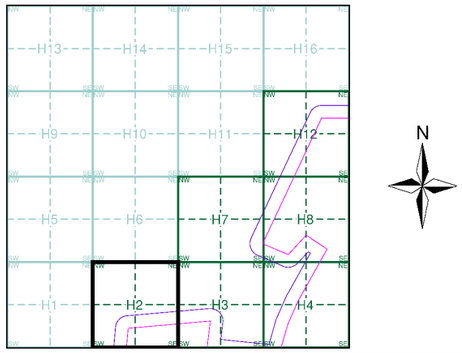


Historical Map - Segment H2



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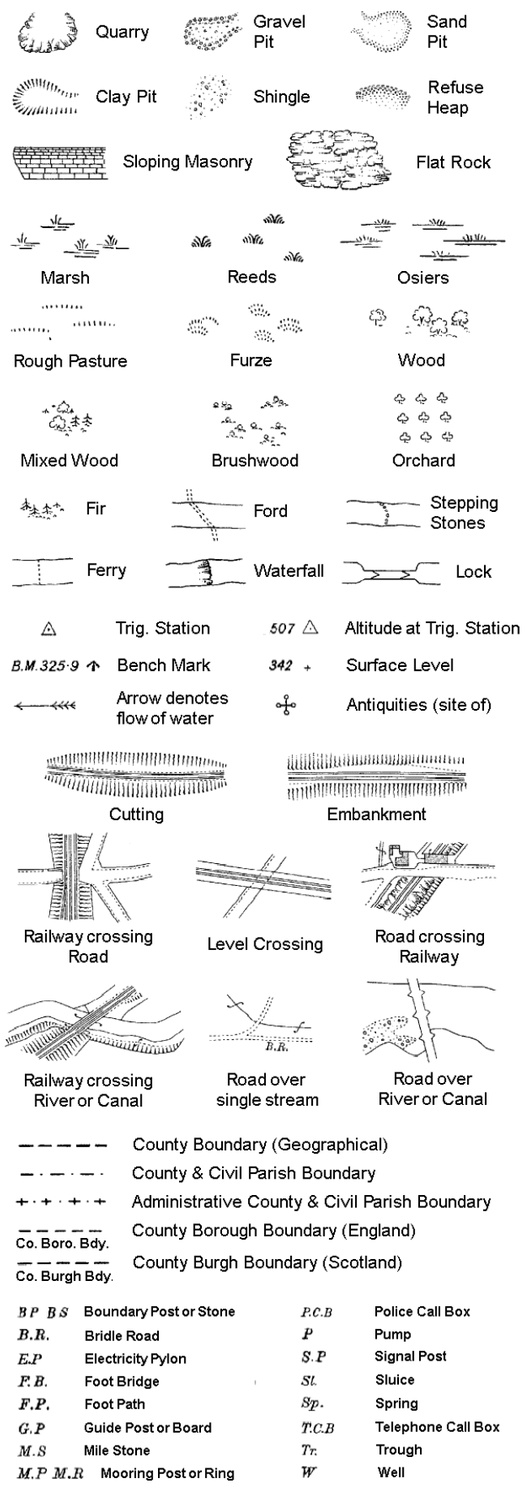
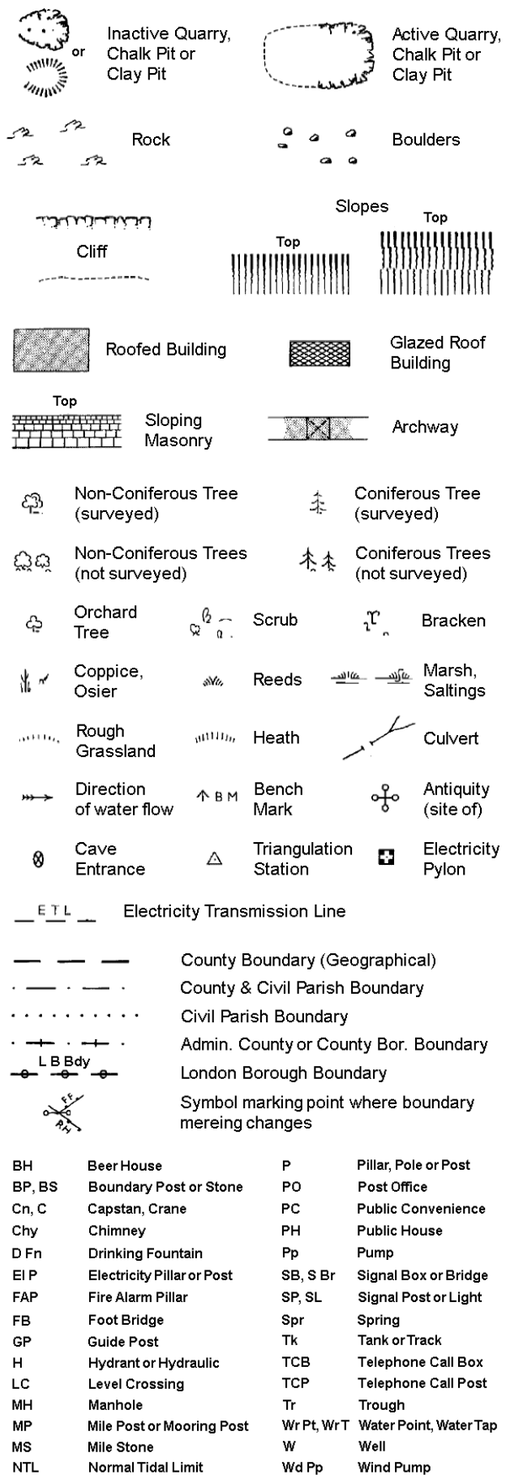
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



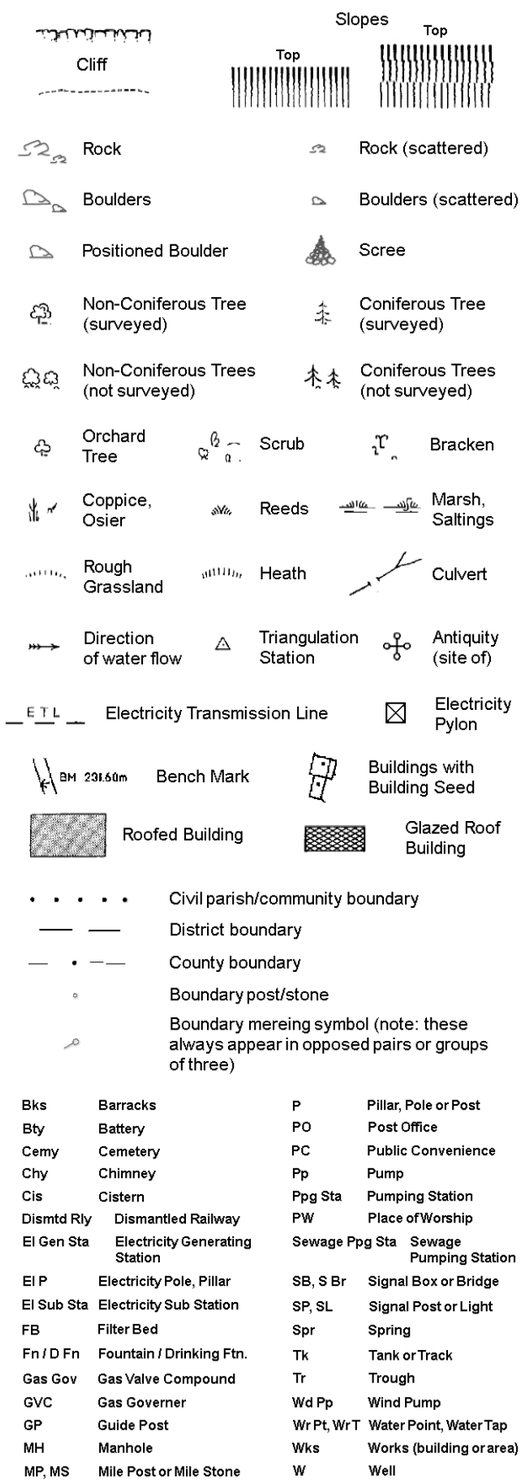
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



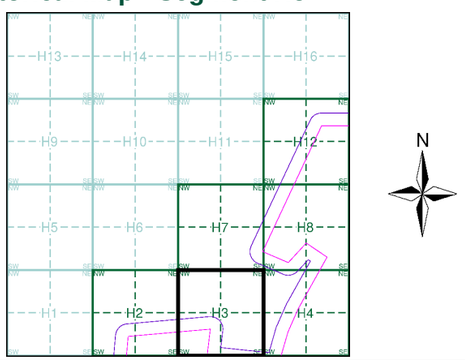
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment H3



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504600, 357380
Slice: H
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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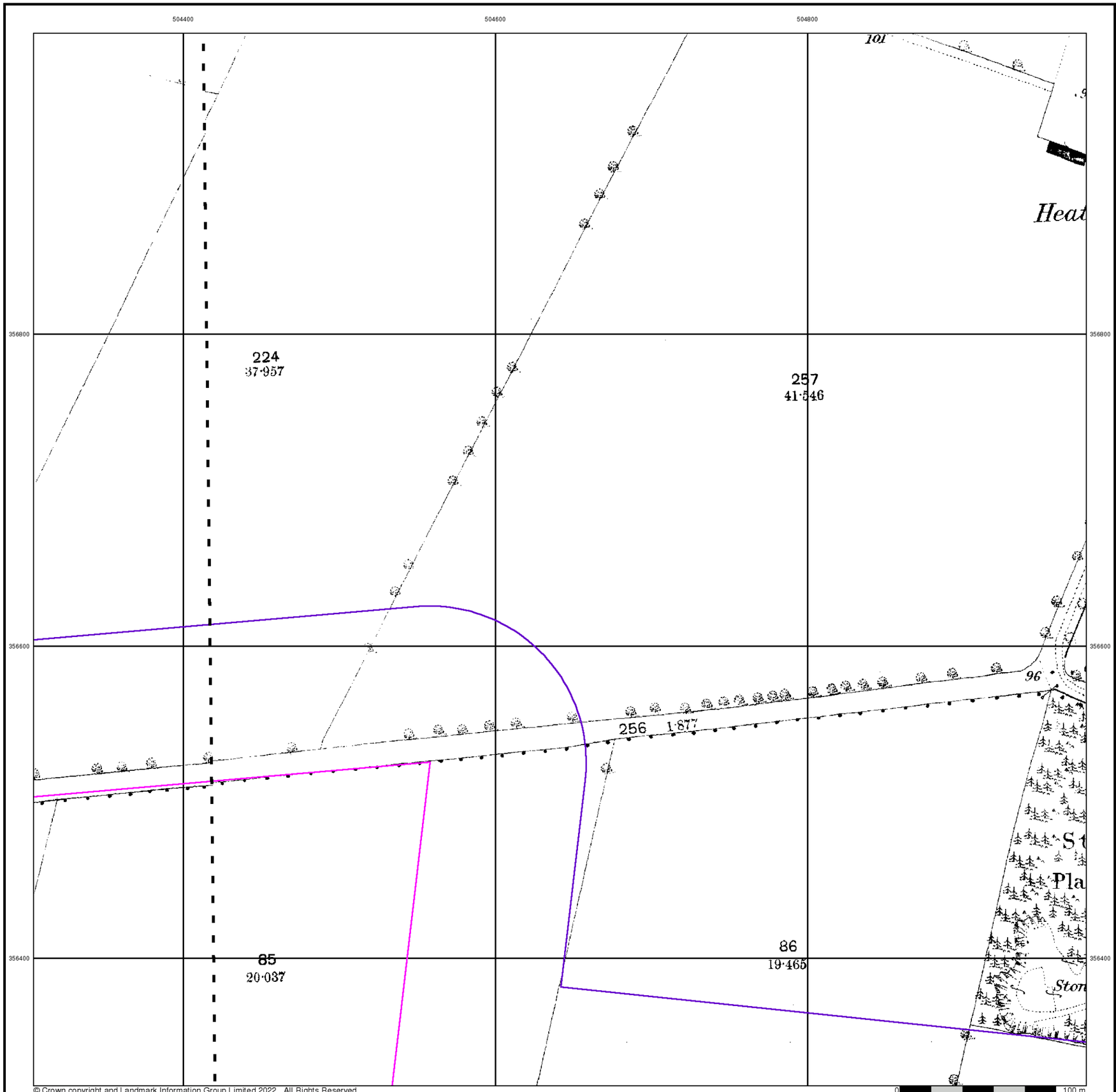

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Lincolnshire

Published 1888

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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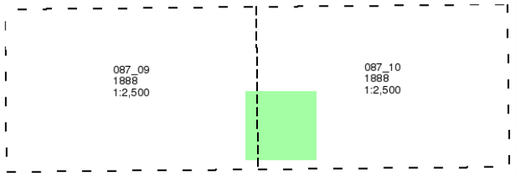
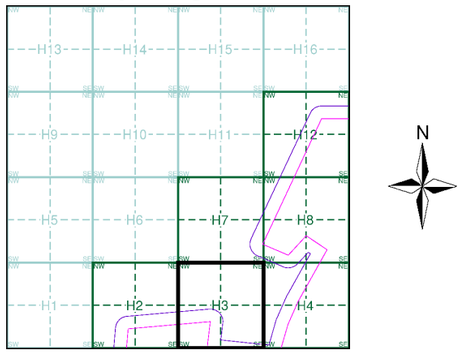


Historical Map - Segment H3



Order Details

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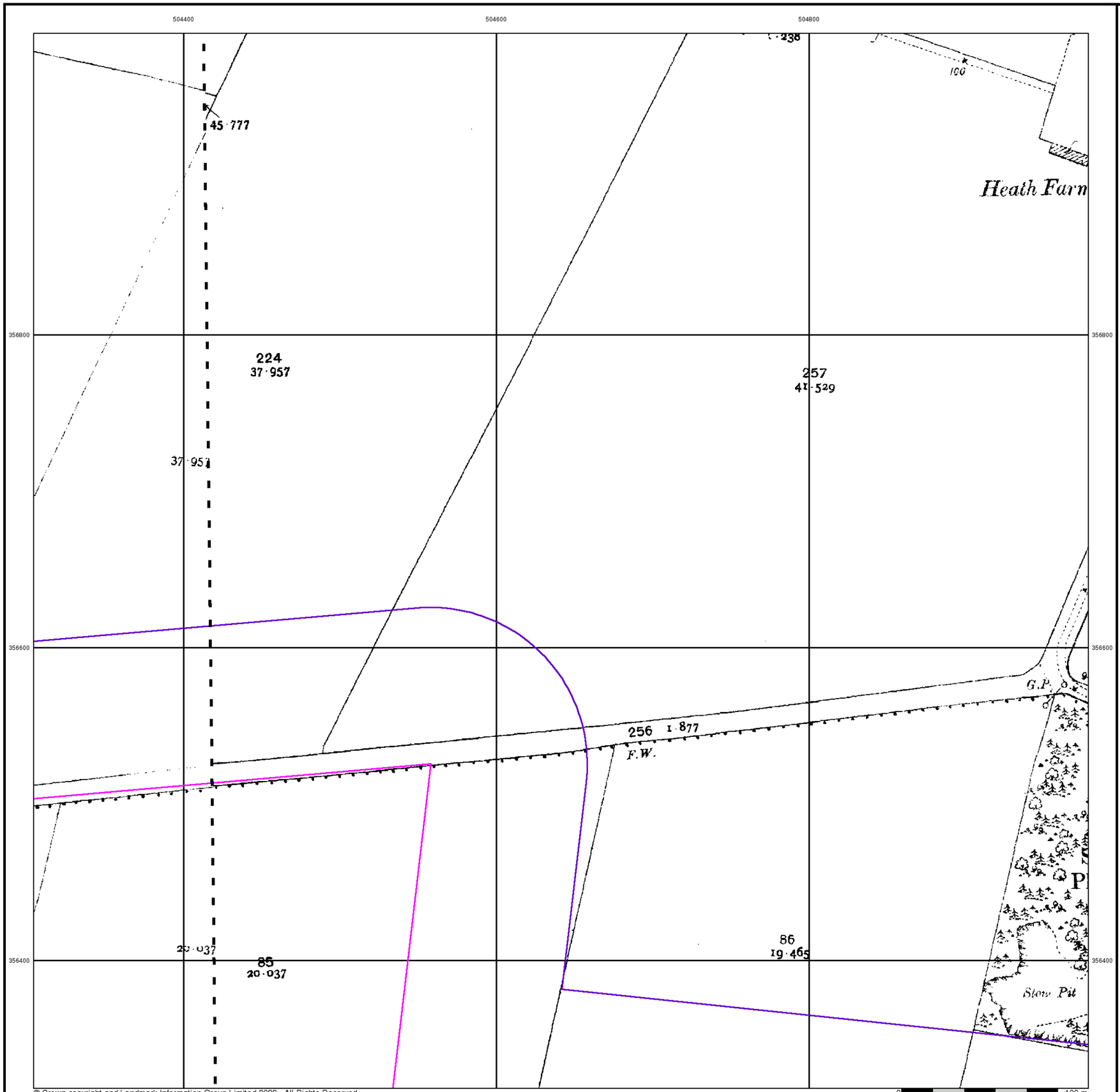

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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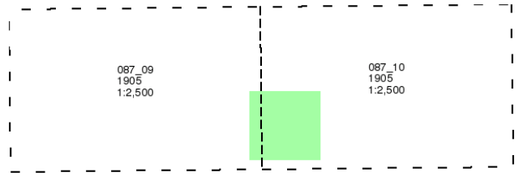
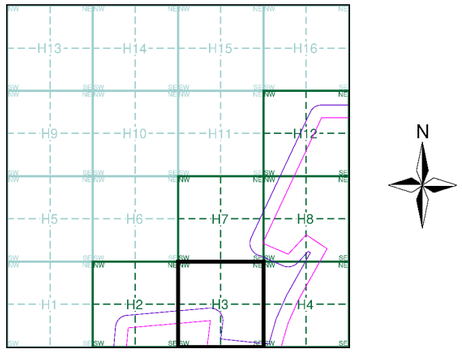


Historical Map - Segment H3



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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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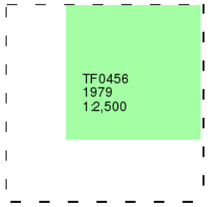
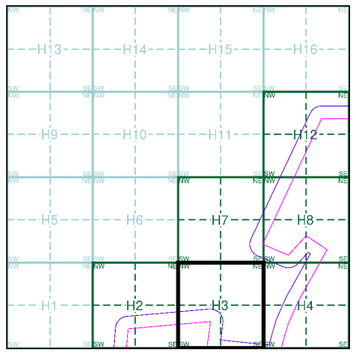


Historical Map - Segment H3



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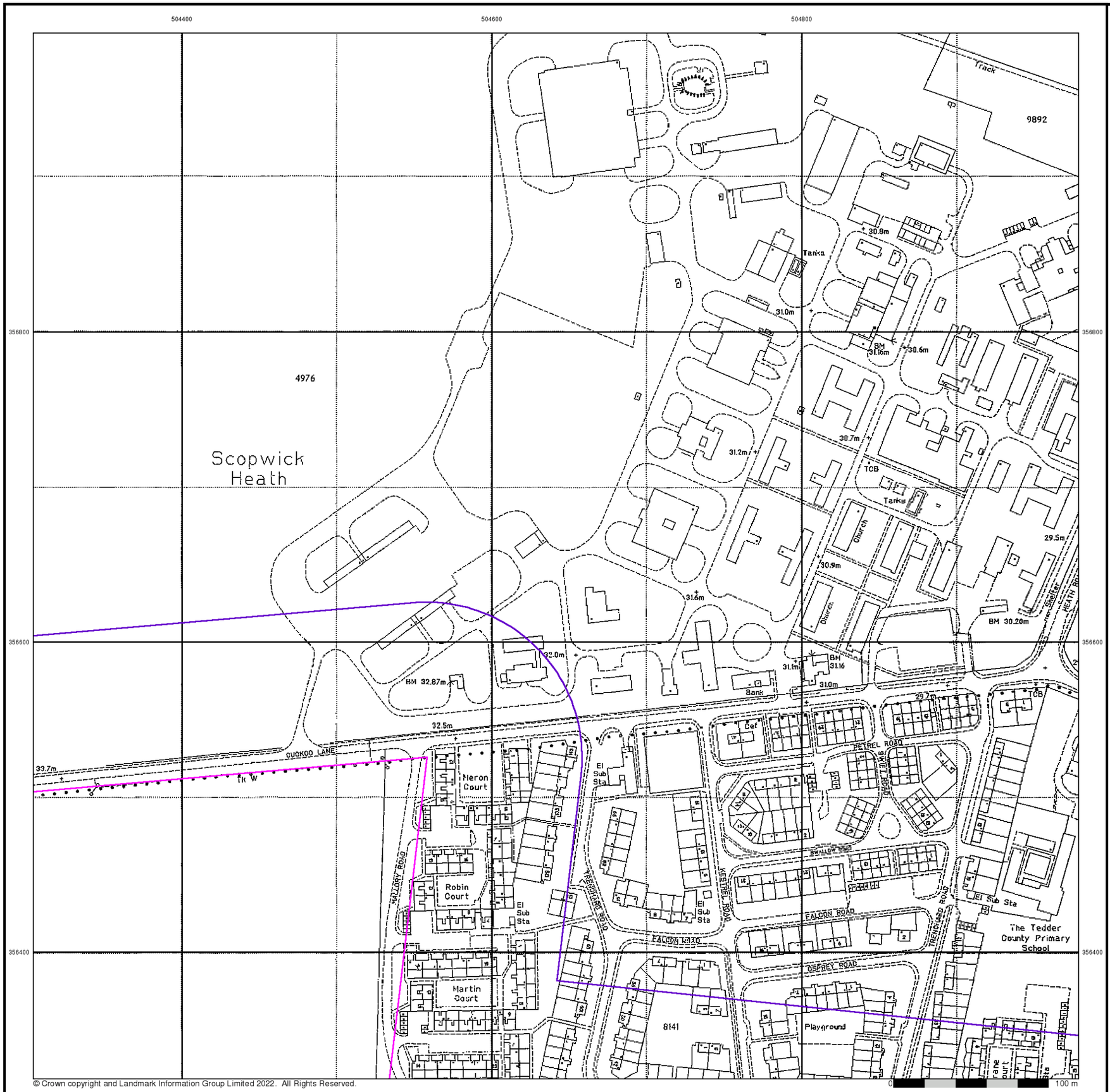

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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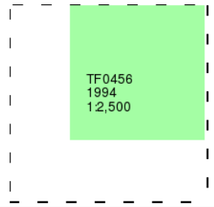
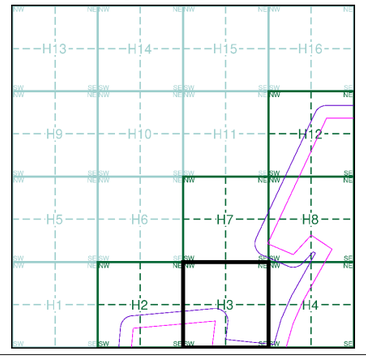


Historical Map - Segment H3



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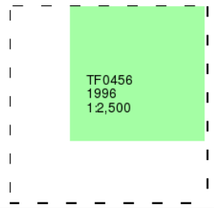
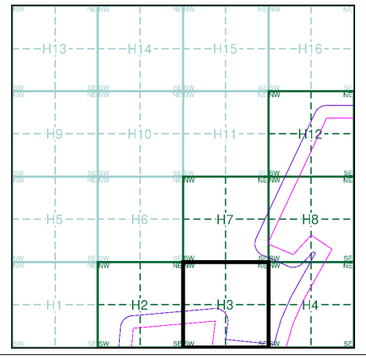


Historical Map - Segment H3



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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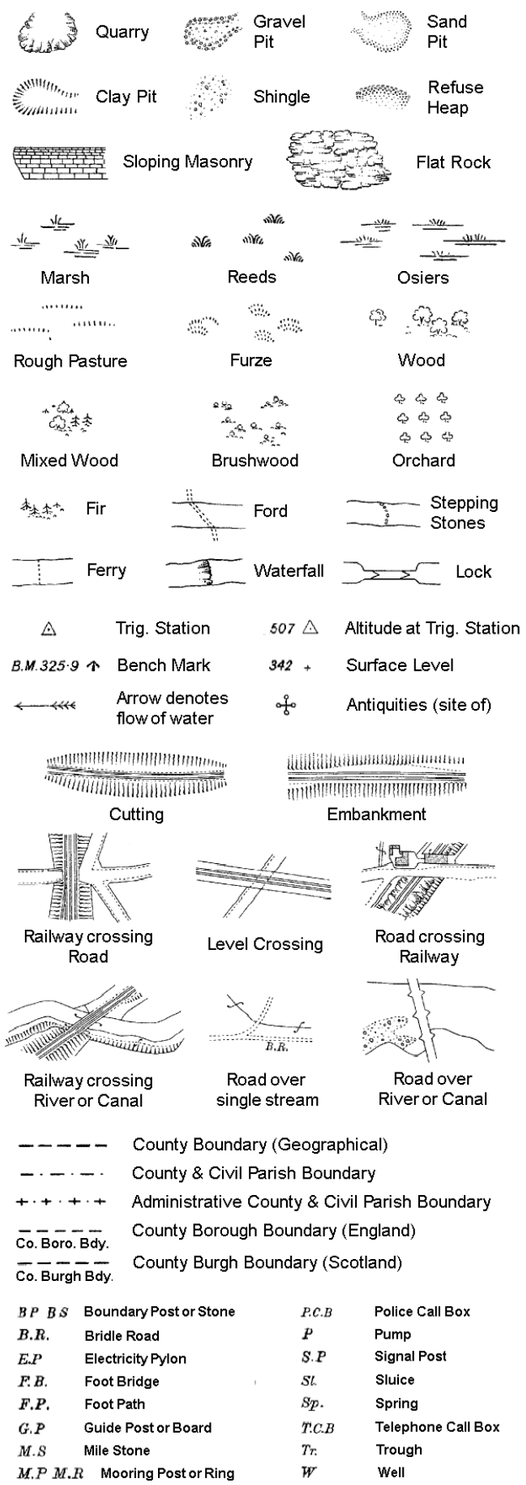
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

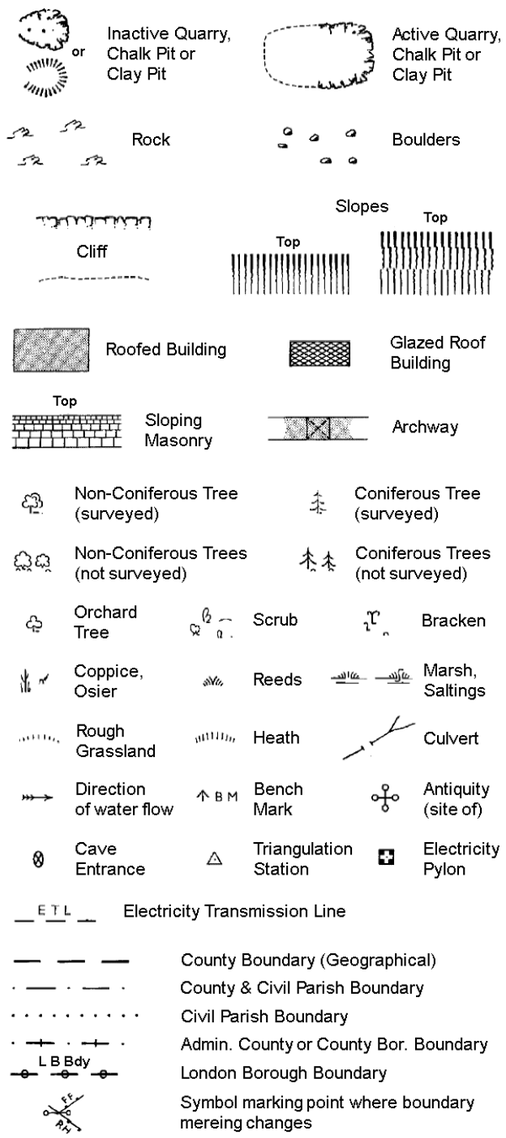
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



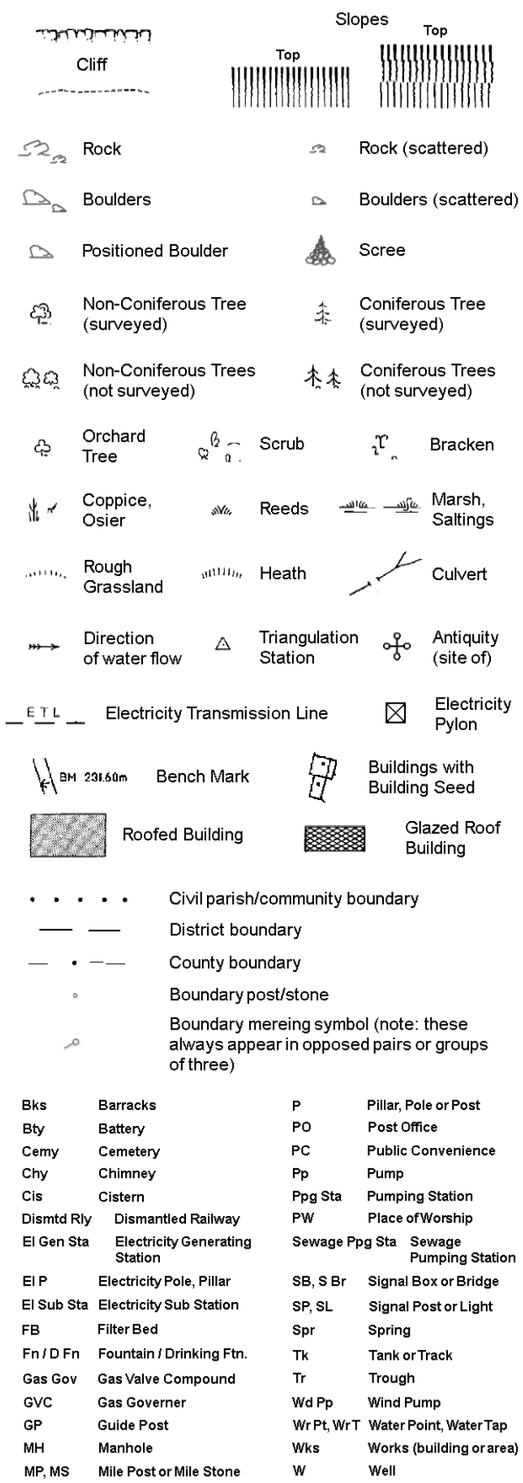
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



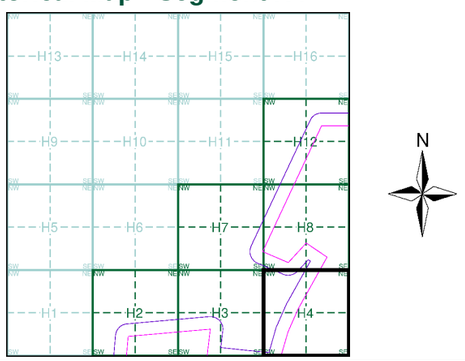
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment H4



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504600, 357380
Slice: H
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
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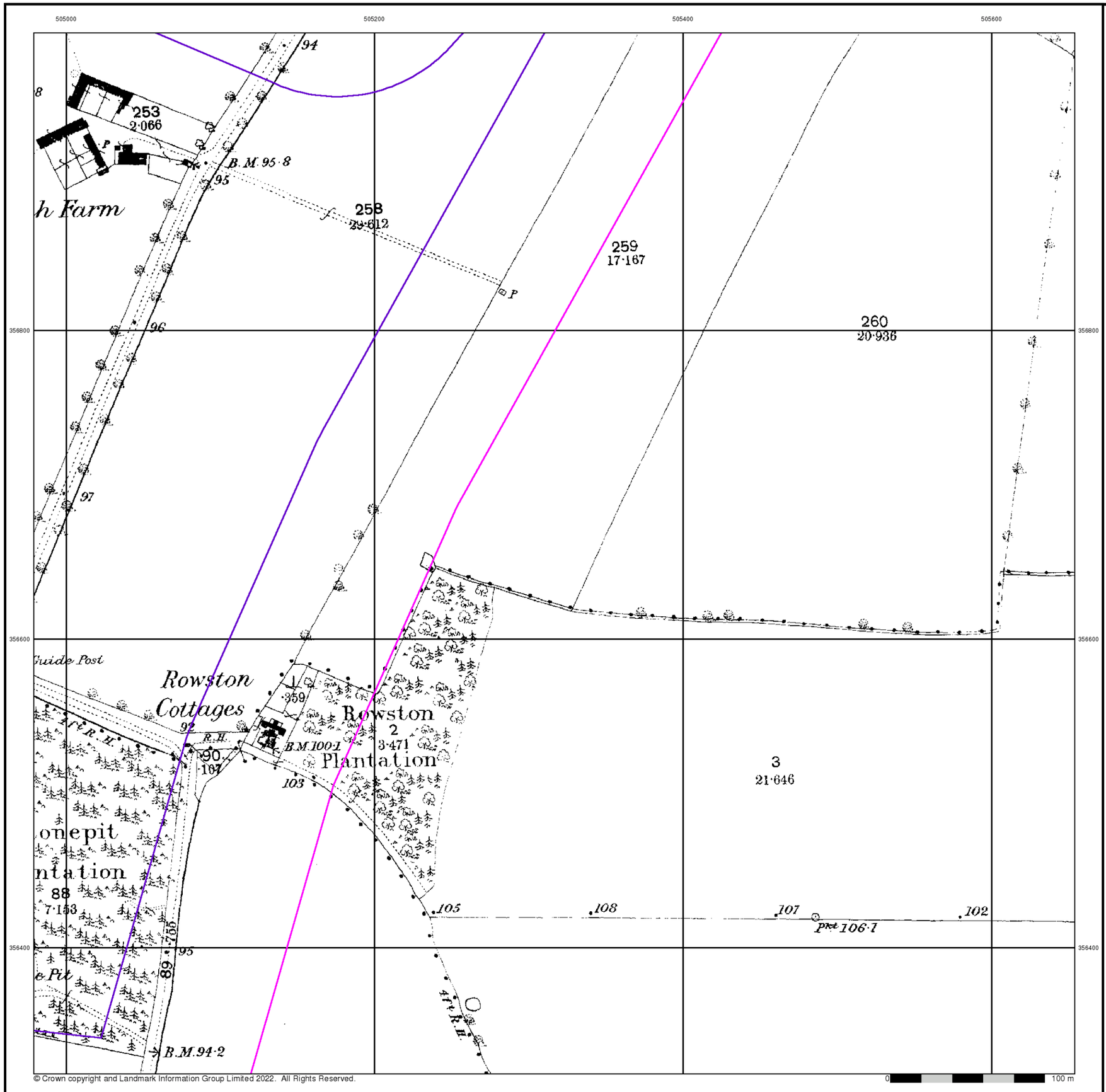
Web: www.envirocheck.co.uk



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0 100 m

RSK

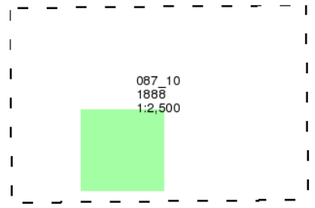
Lincolnshire

Published 1888

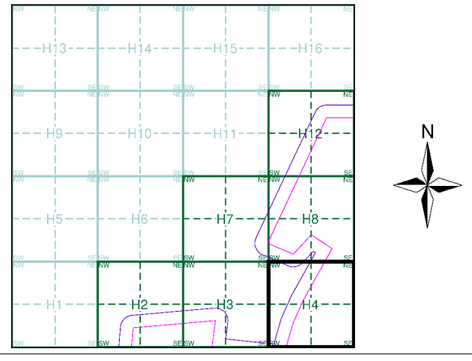
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment H4



Order Details

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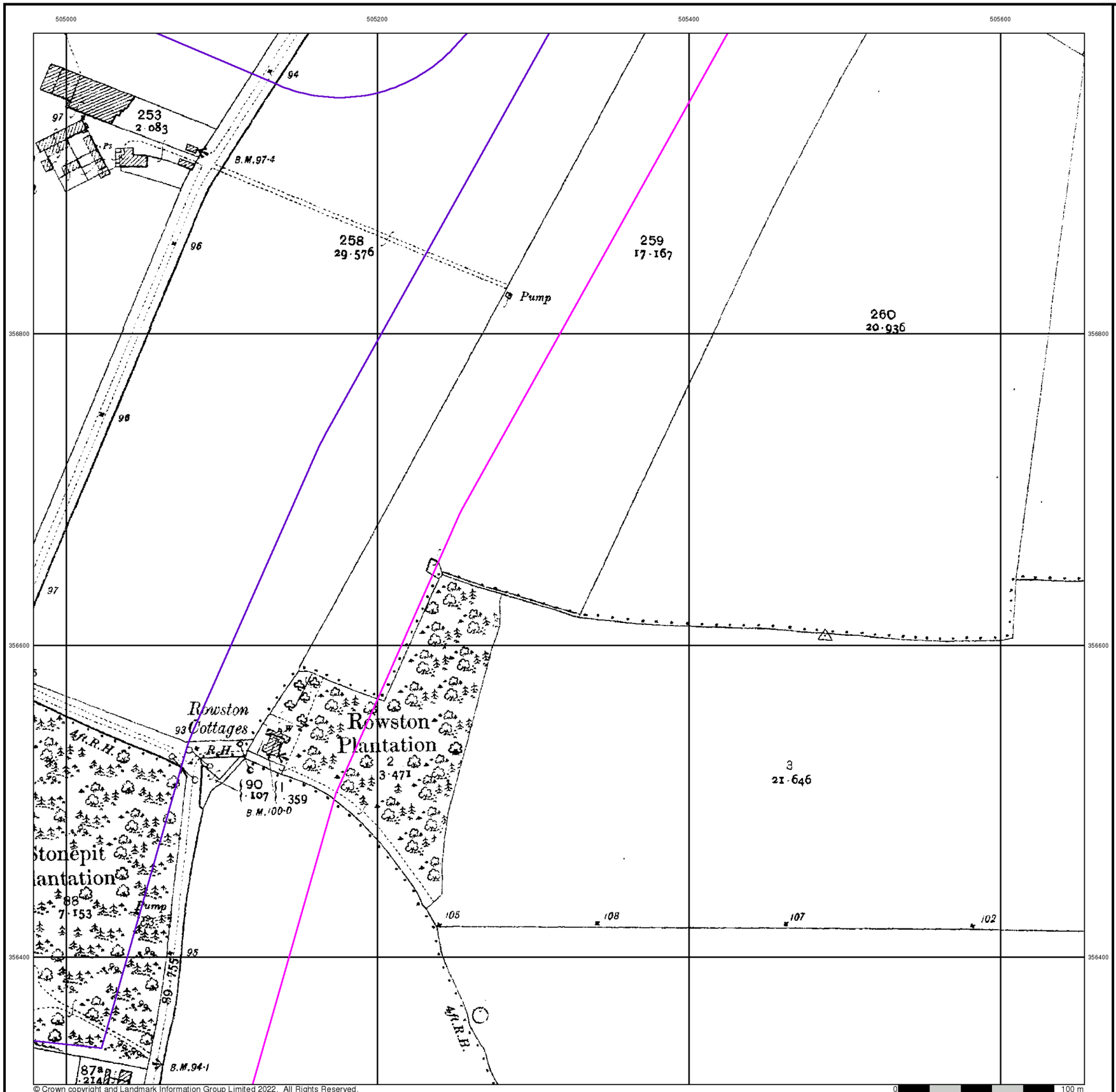

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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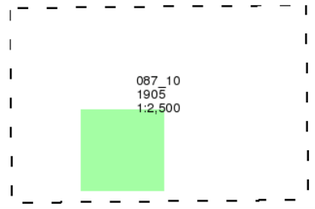
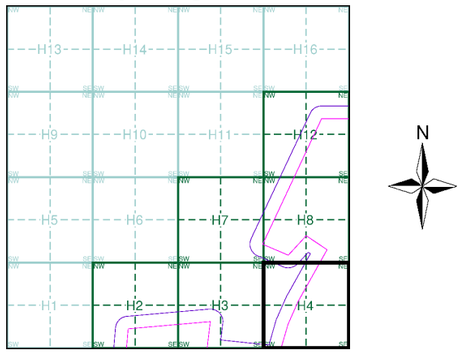


Historical Map - Segment H4



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National Grid Reference:	504600, 357380
Slice:	H
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Site Details

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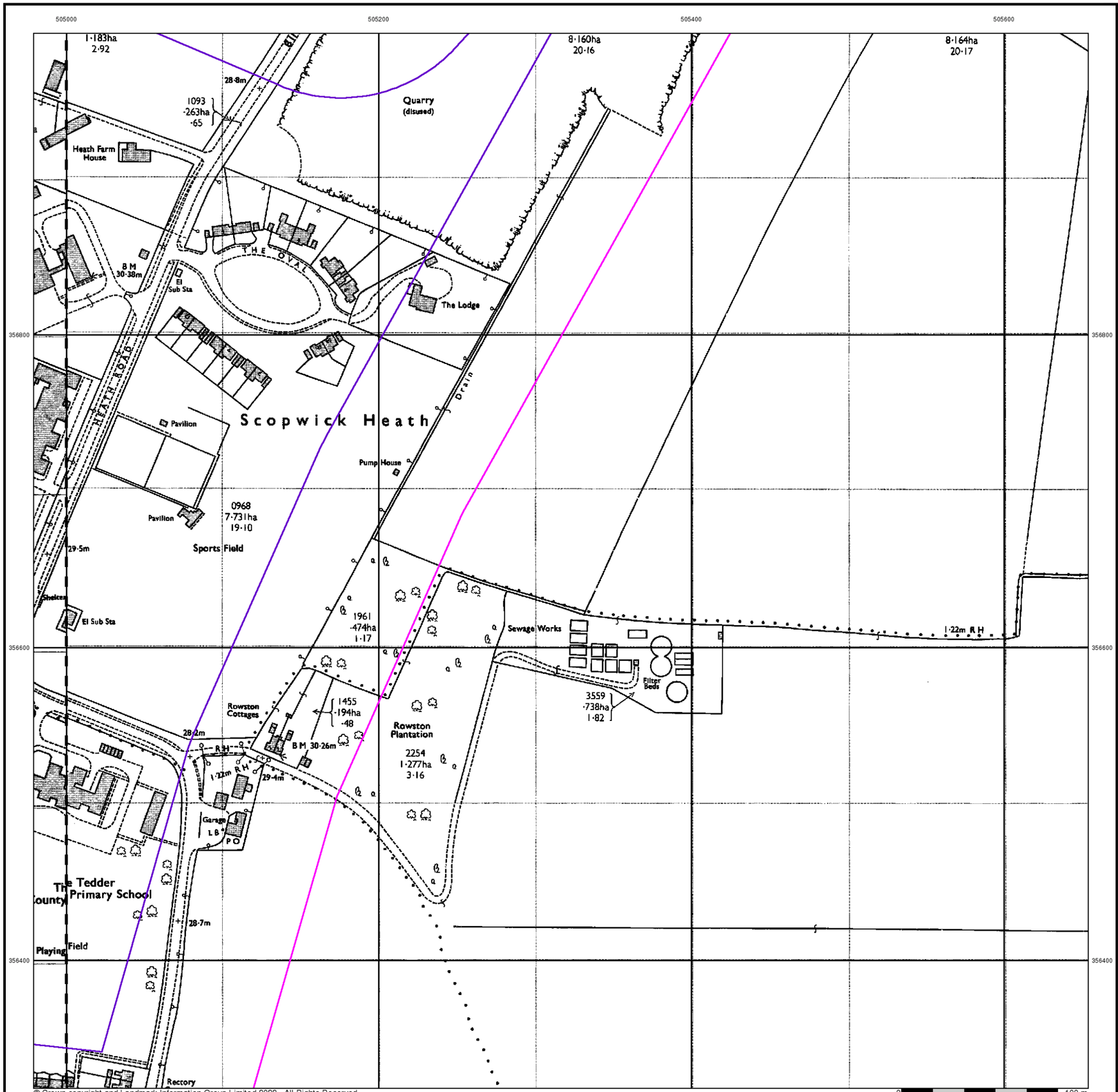

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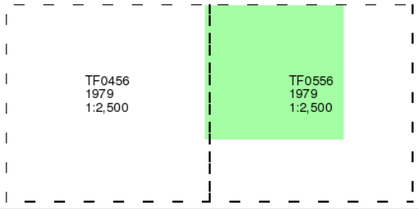
Ordnance Survey Plan

Published 1979

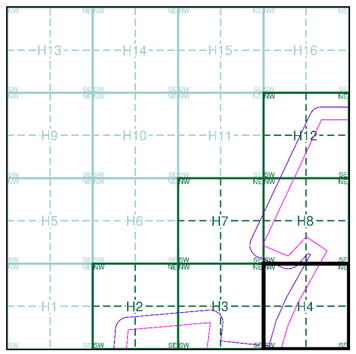
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment H4



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
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Site Details

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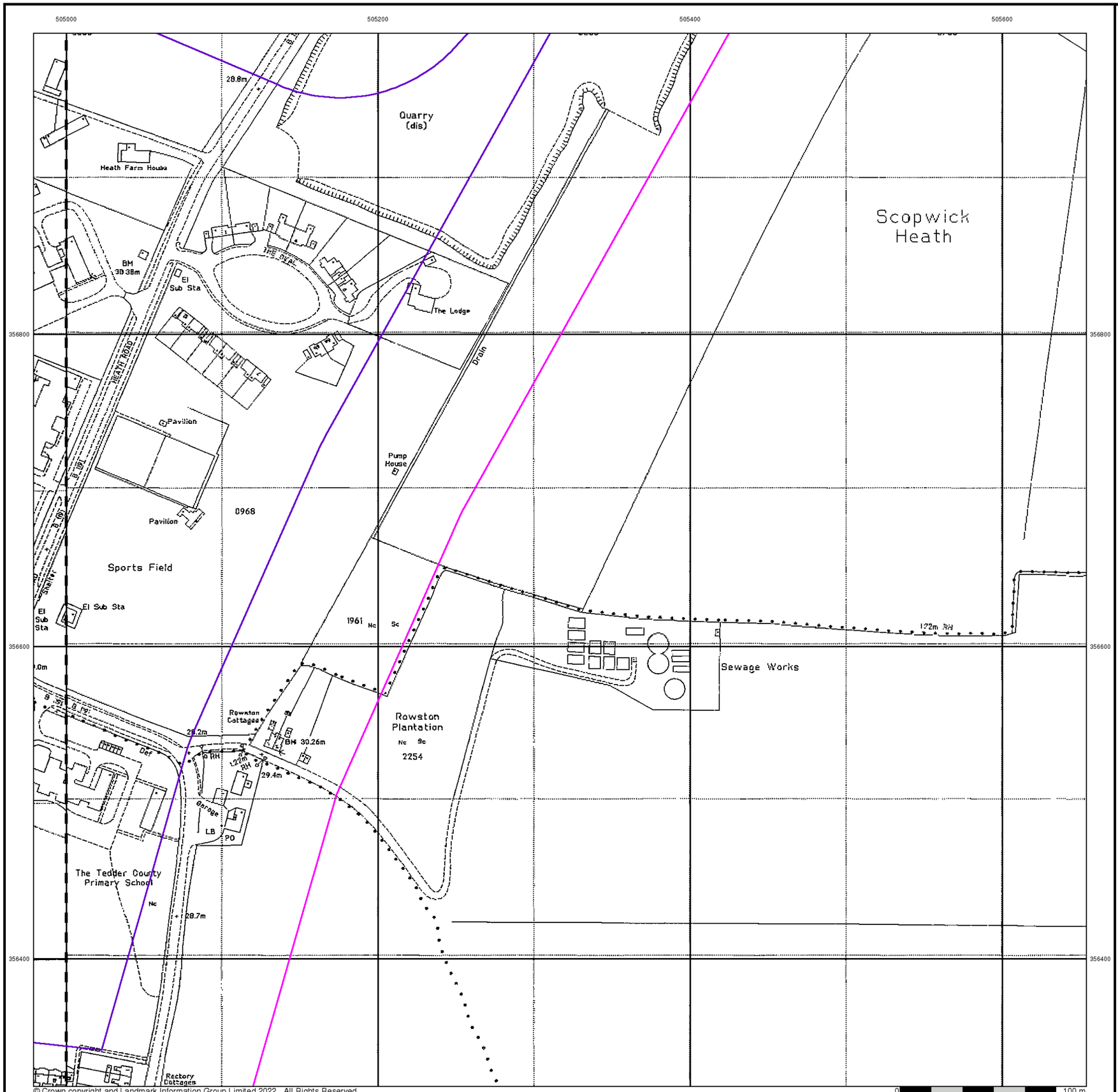

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RSK

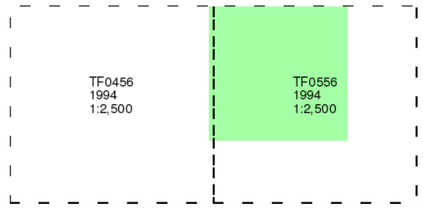
Large-Scale National Grid Data

Published 1994

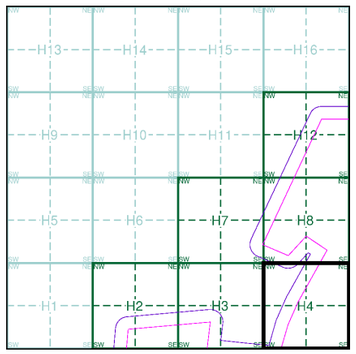
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment H4



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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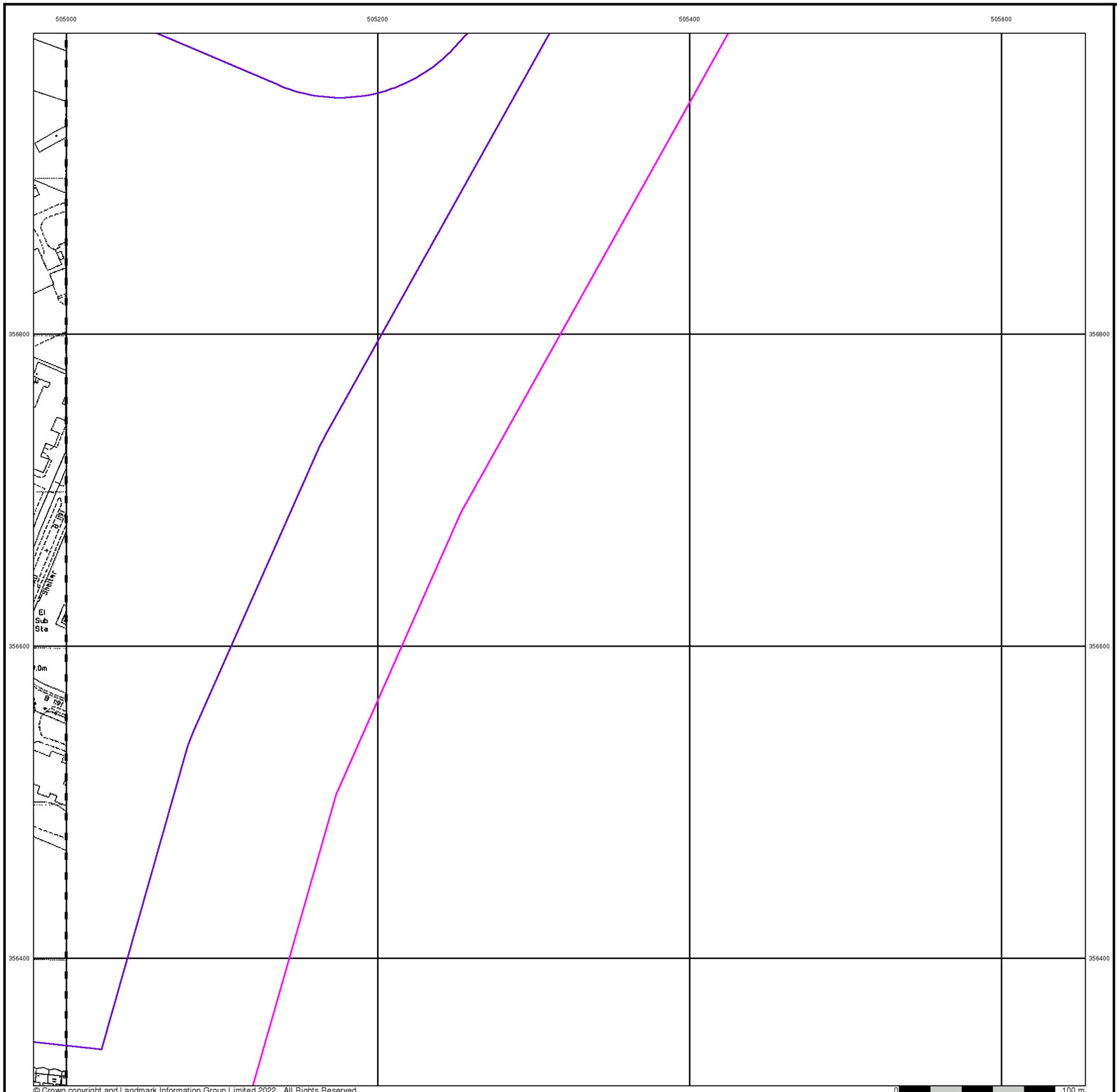

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0 100 m

RSK

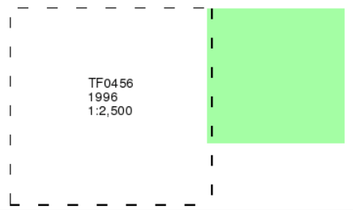
Large-Scale National Grid Data

Published 1996

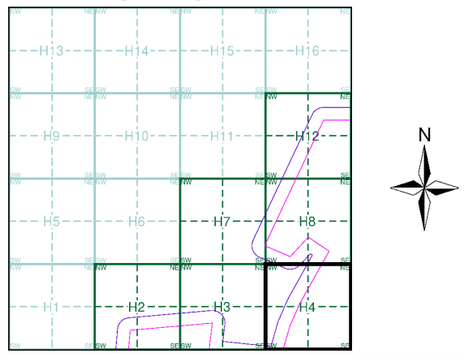
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment H4



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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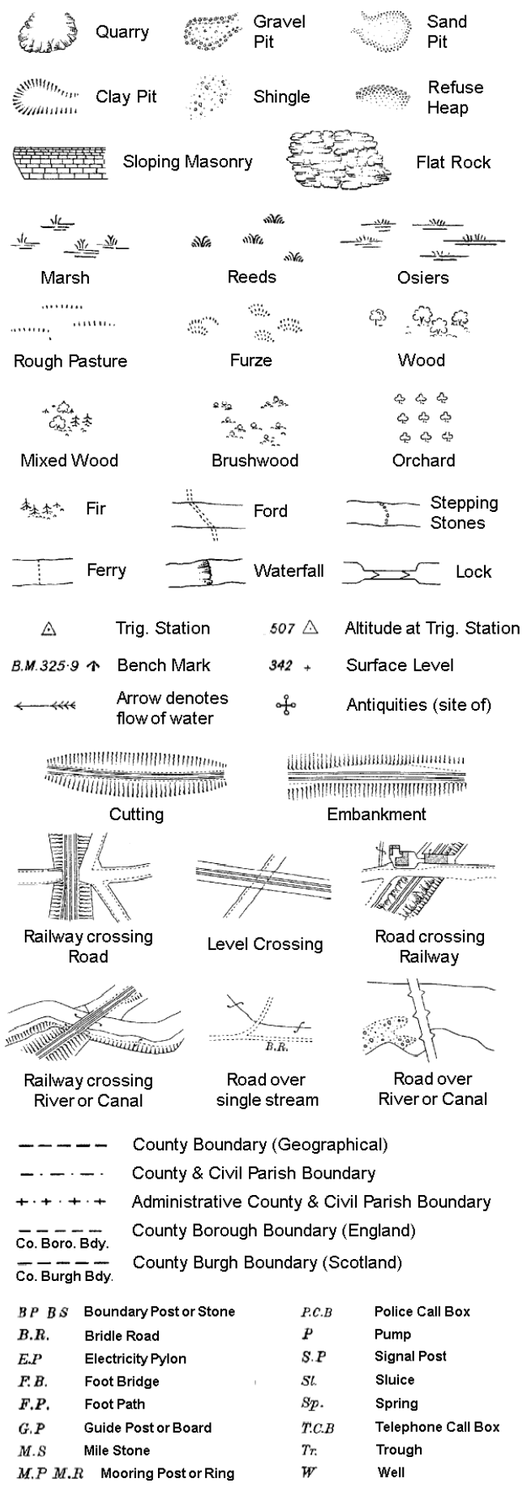
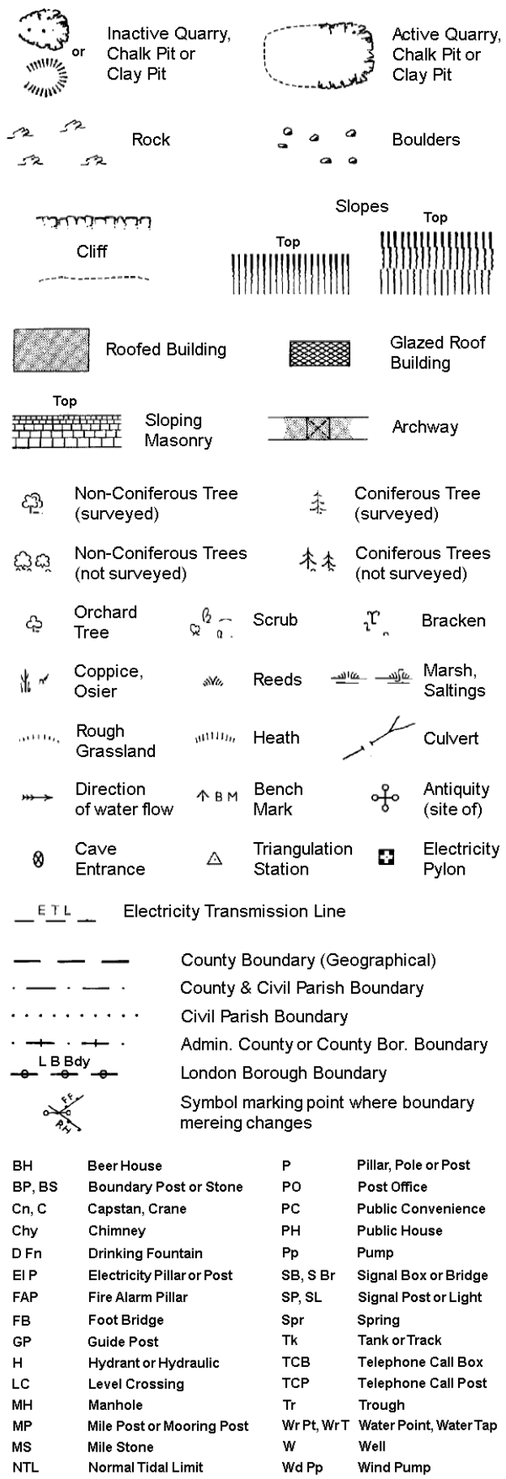
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
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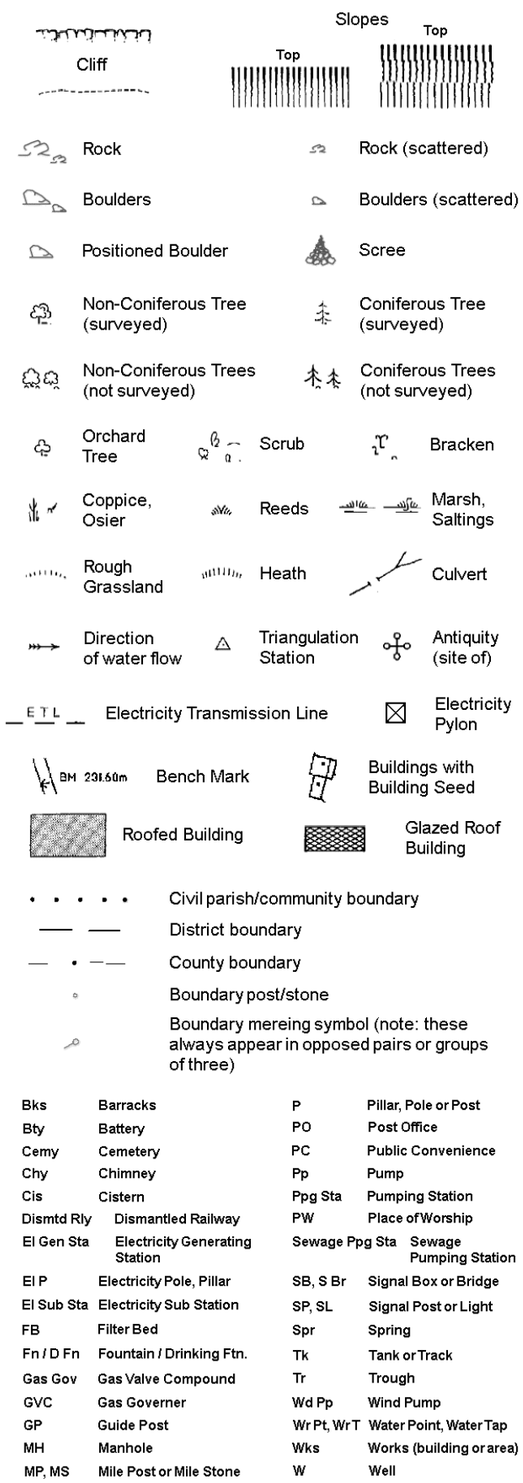
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
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Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
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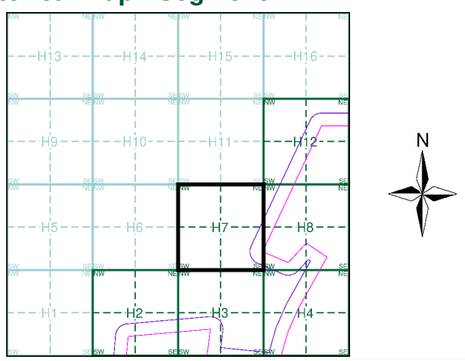
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment H7



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504600, 357380
Slice: H
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
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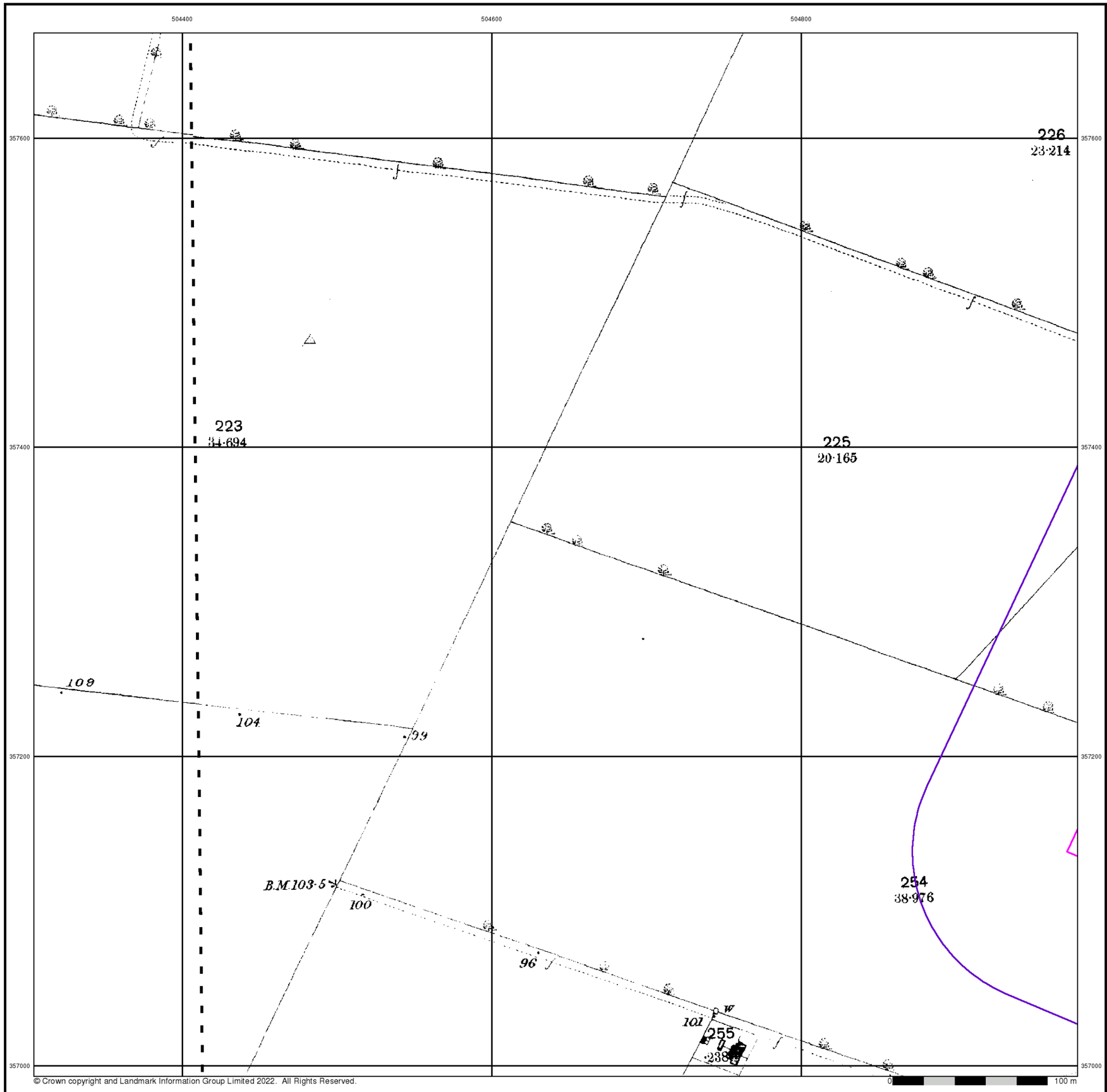


RSK

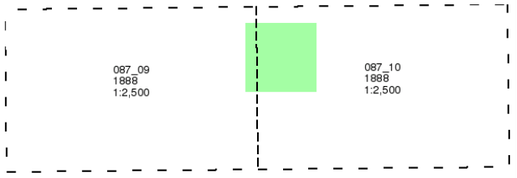
Lincolnshire

Published 1888

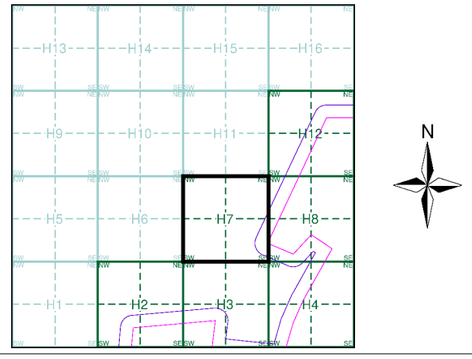
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment H7



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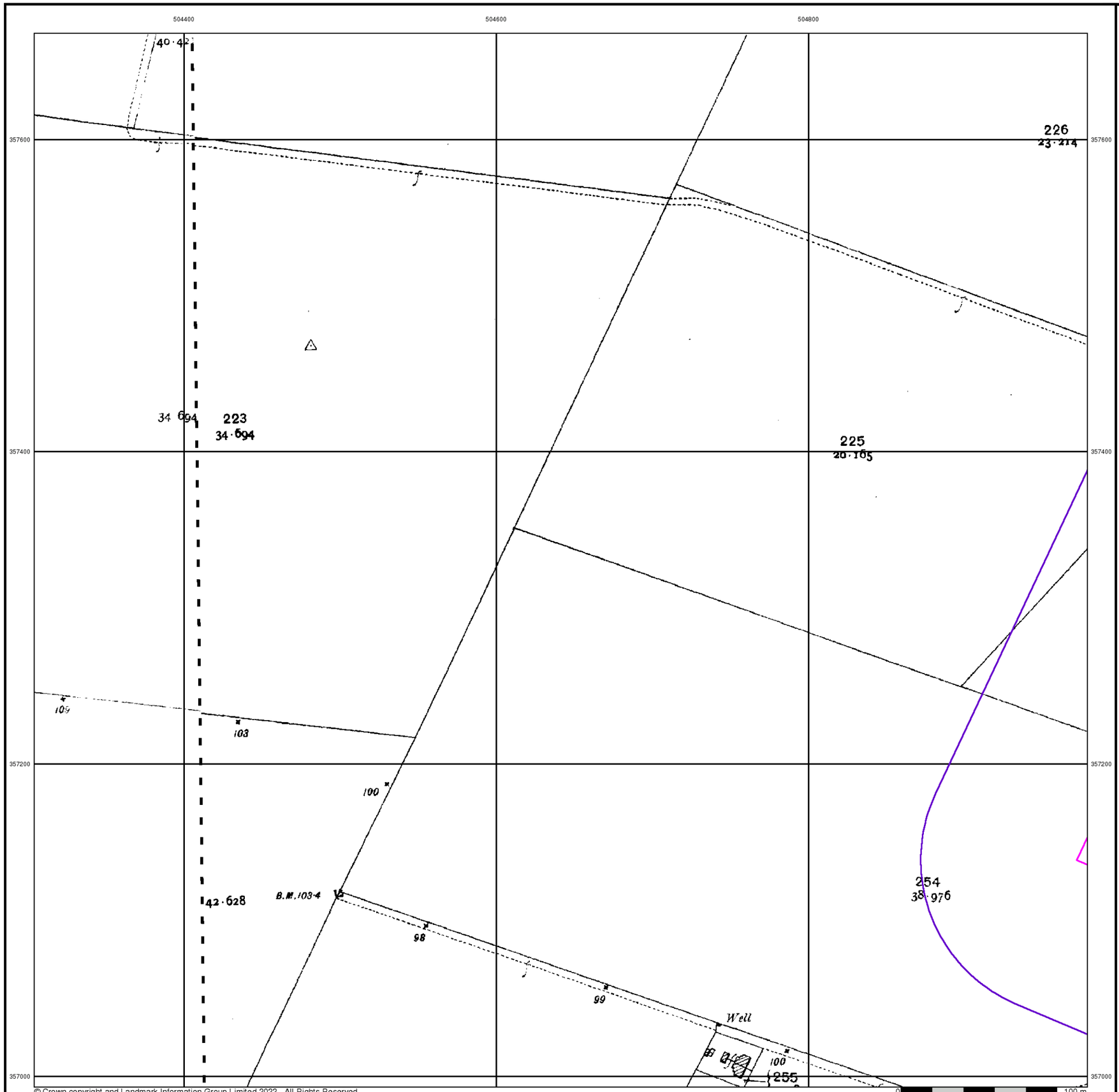

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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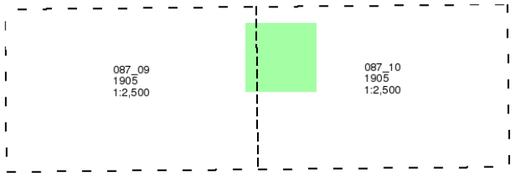
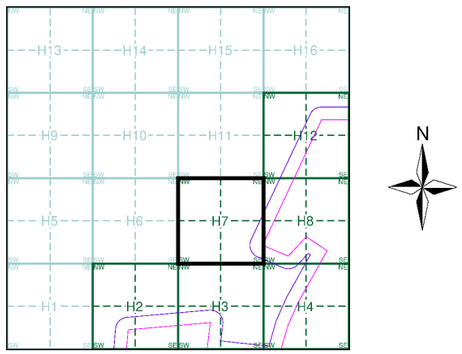


Historical Map - Segment H7



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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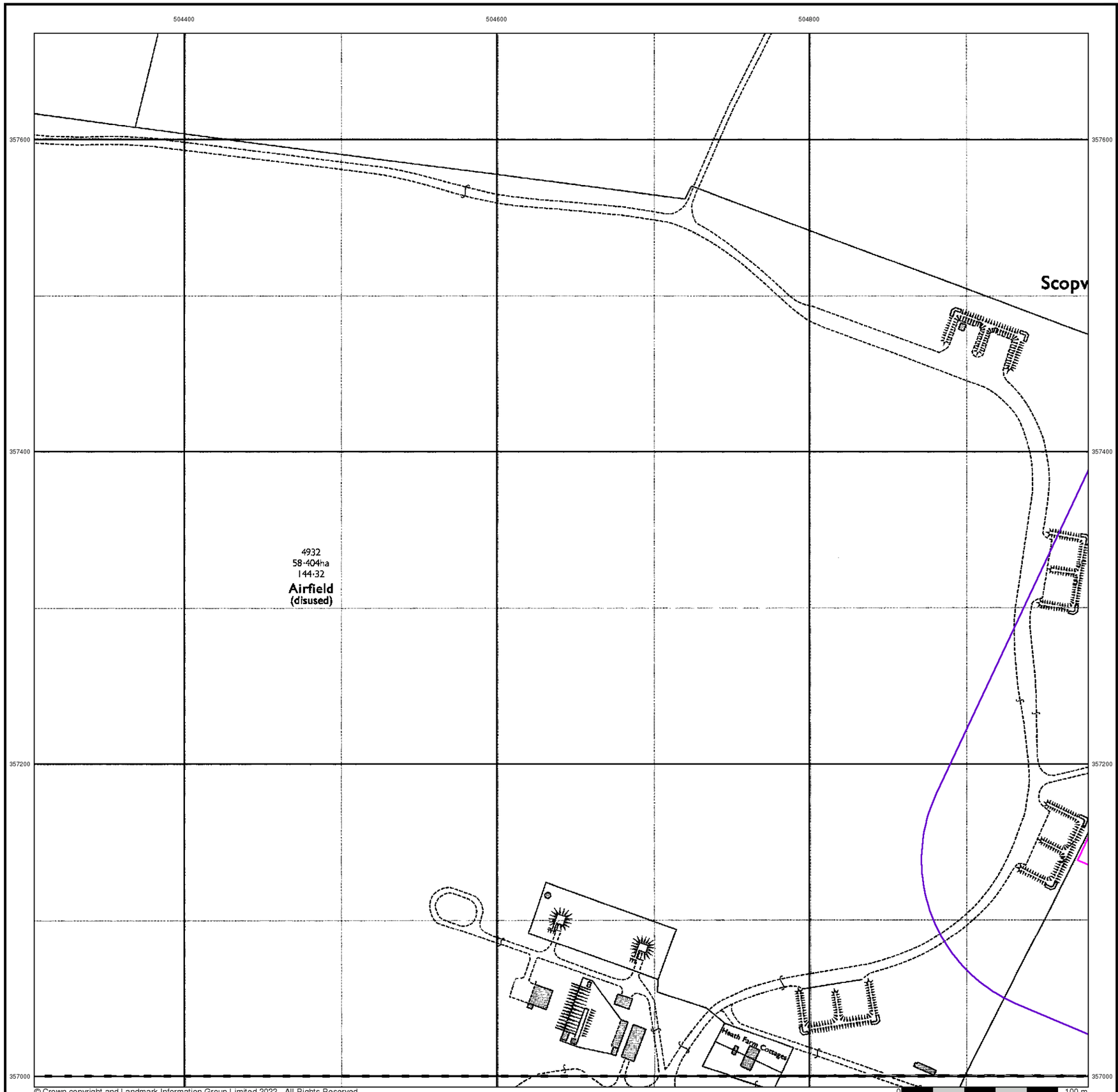
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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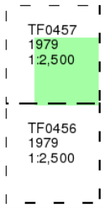
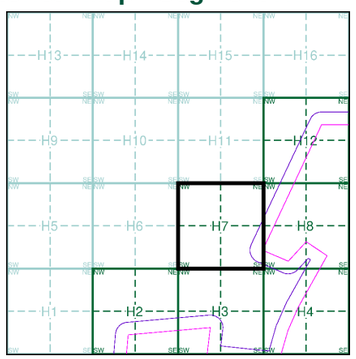


Historical Map - Segment H7



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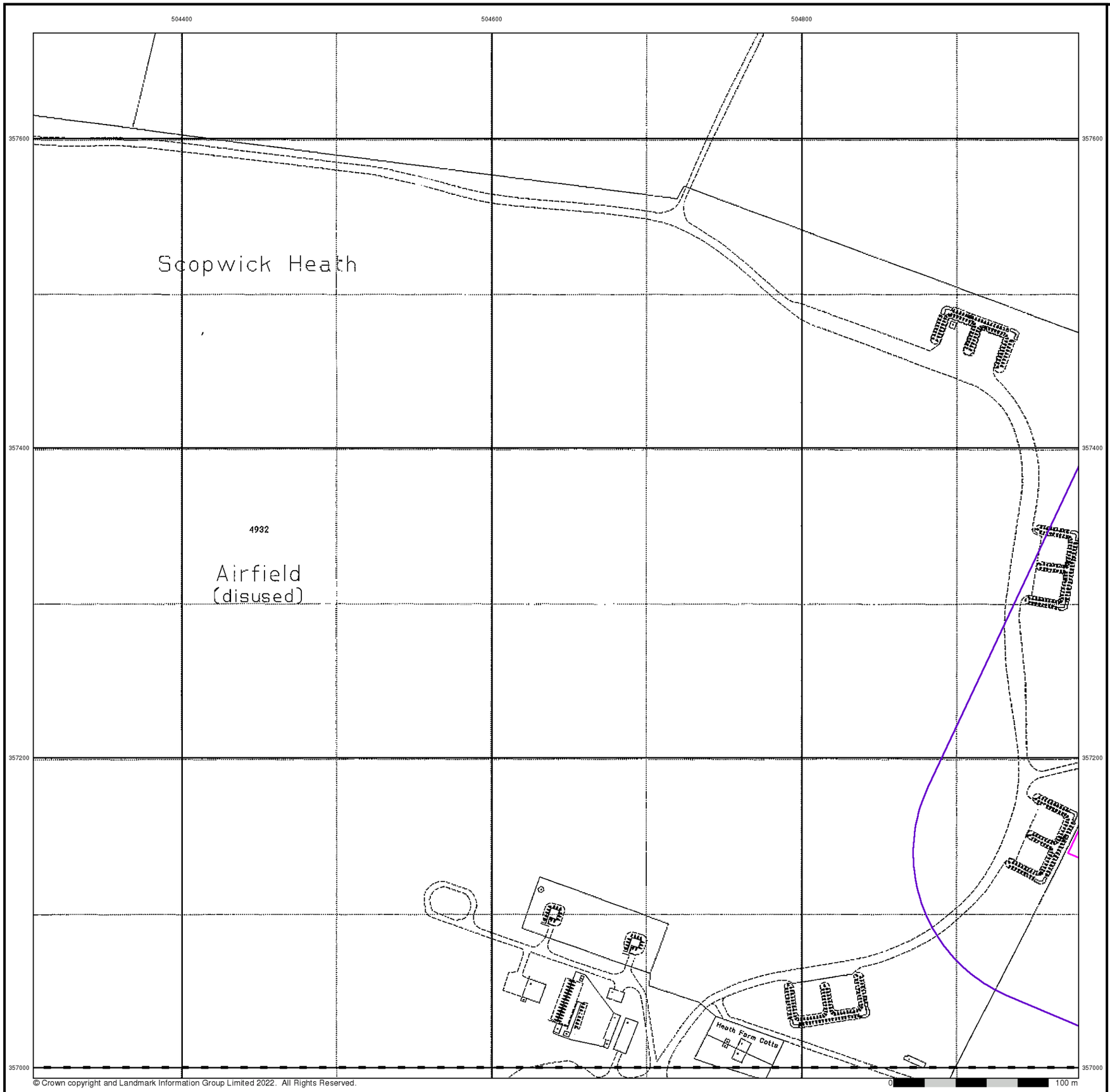

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RSK

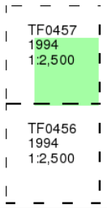
Large-Scale National Grid Data

Published 1994

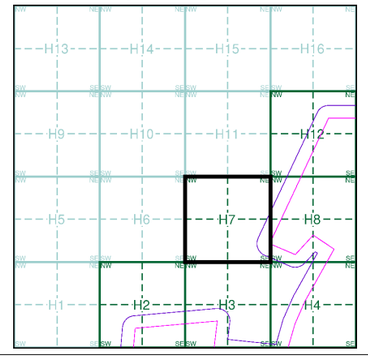
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment H7



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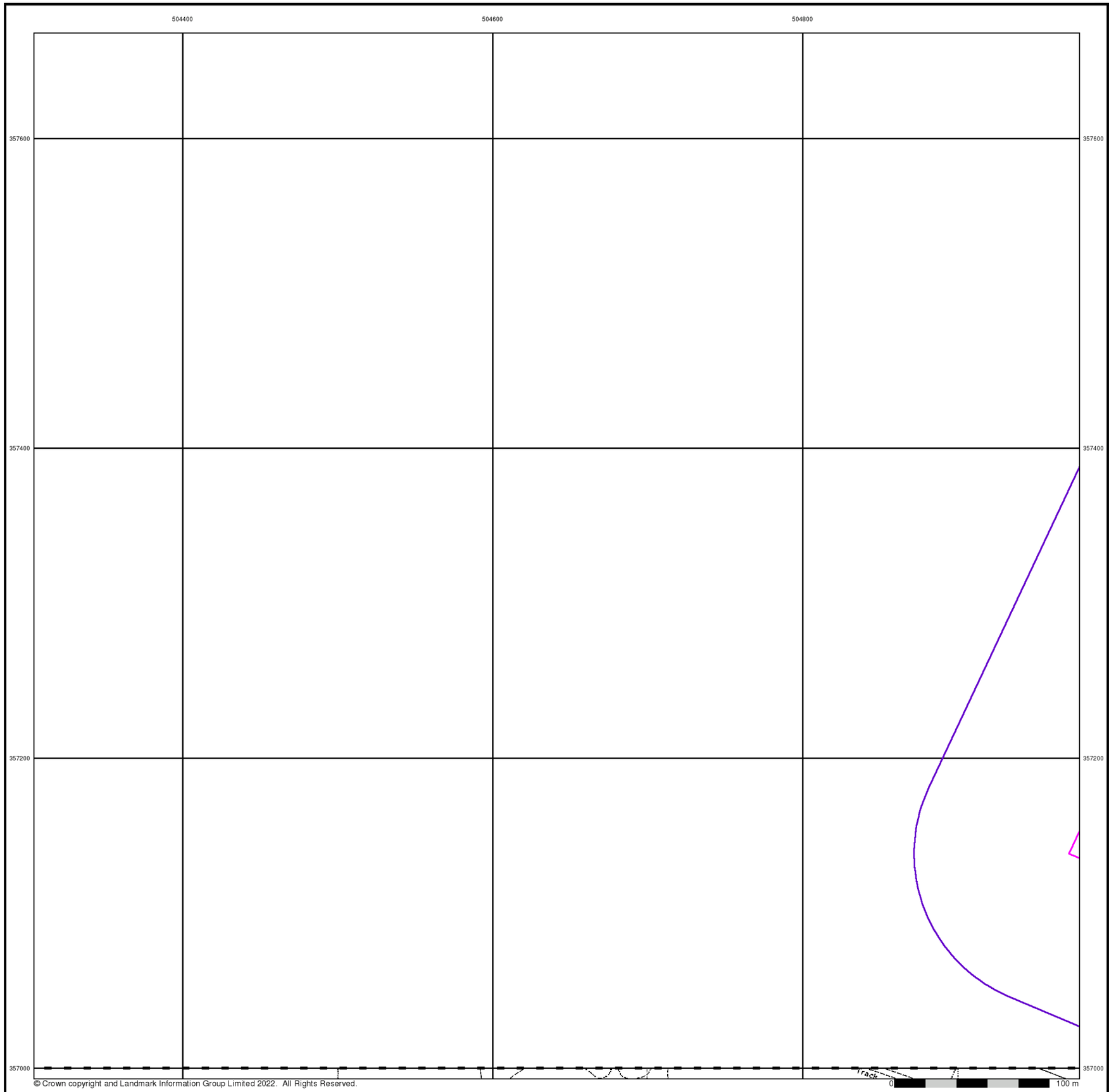

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RSK

Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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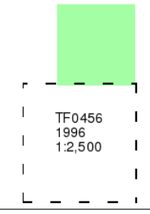
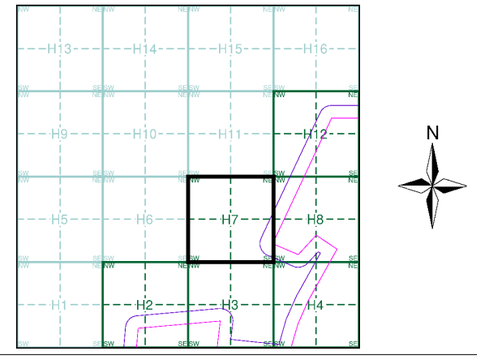


Historical Map - Segment H7



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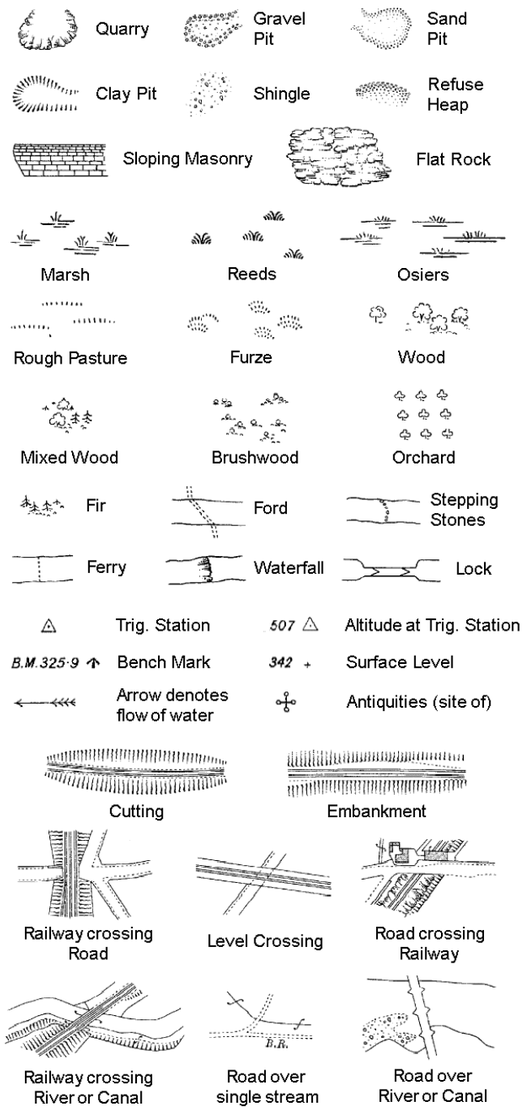
Historical Mapping Legends

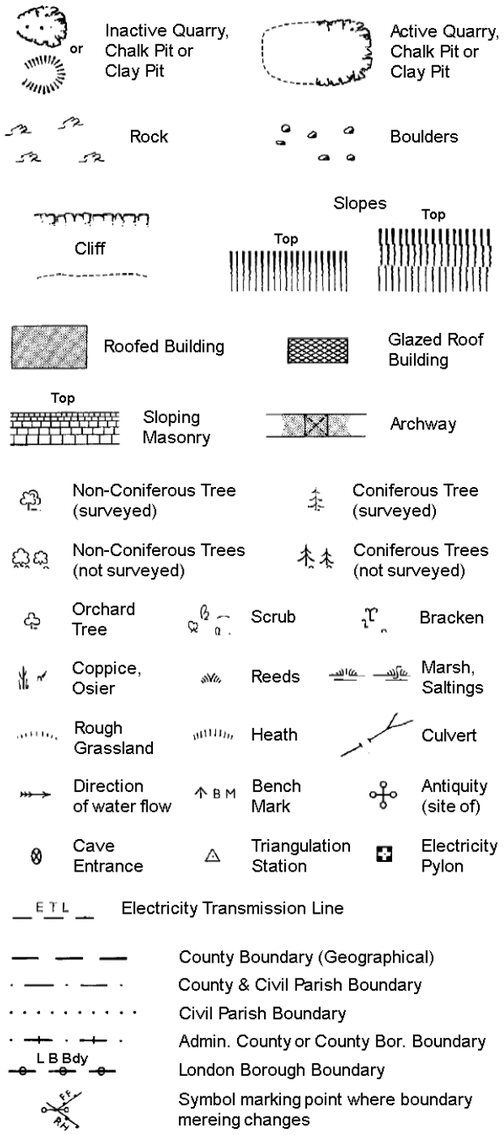
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

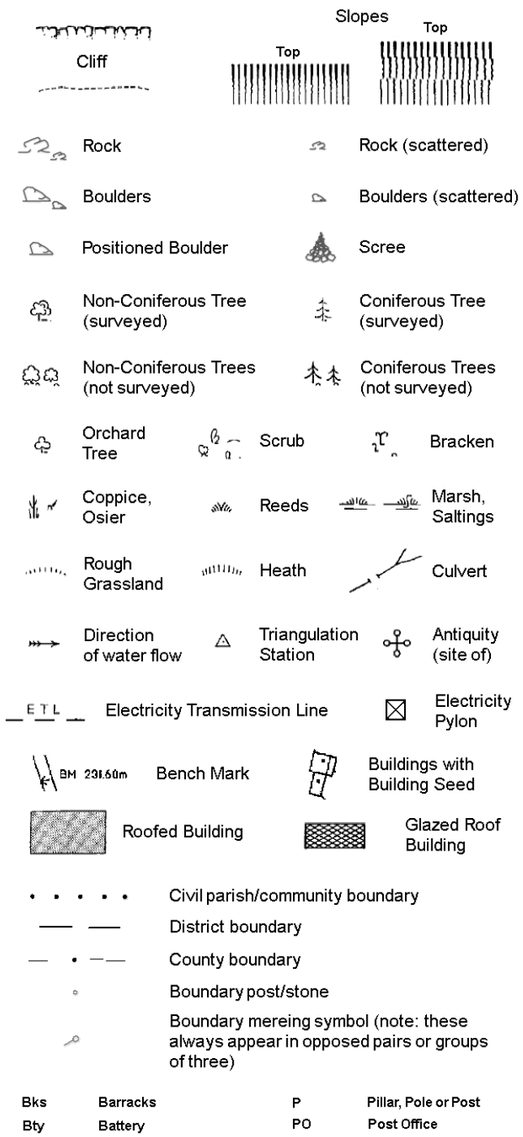
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

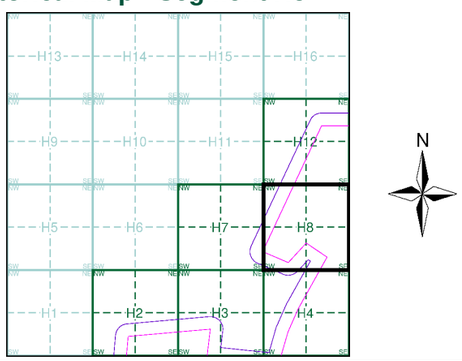
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment H8



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504600, 357380
Slice: H
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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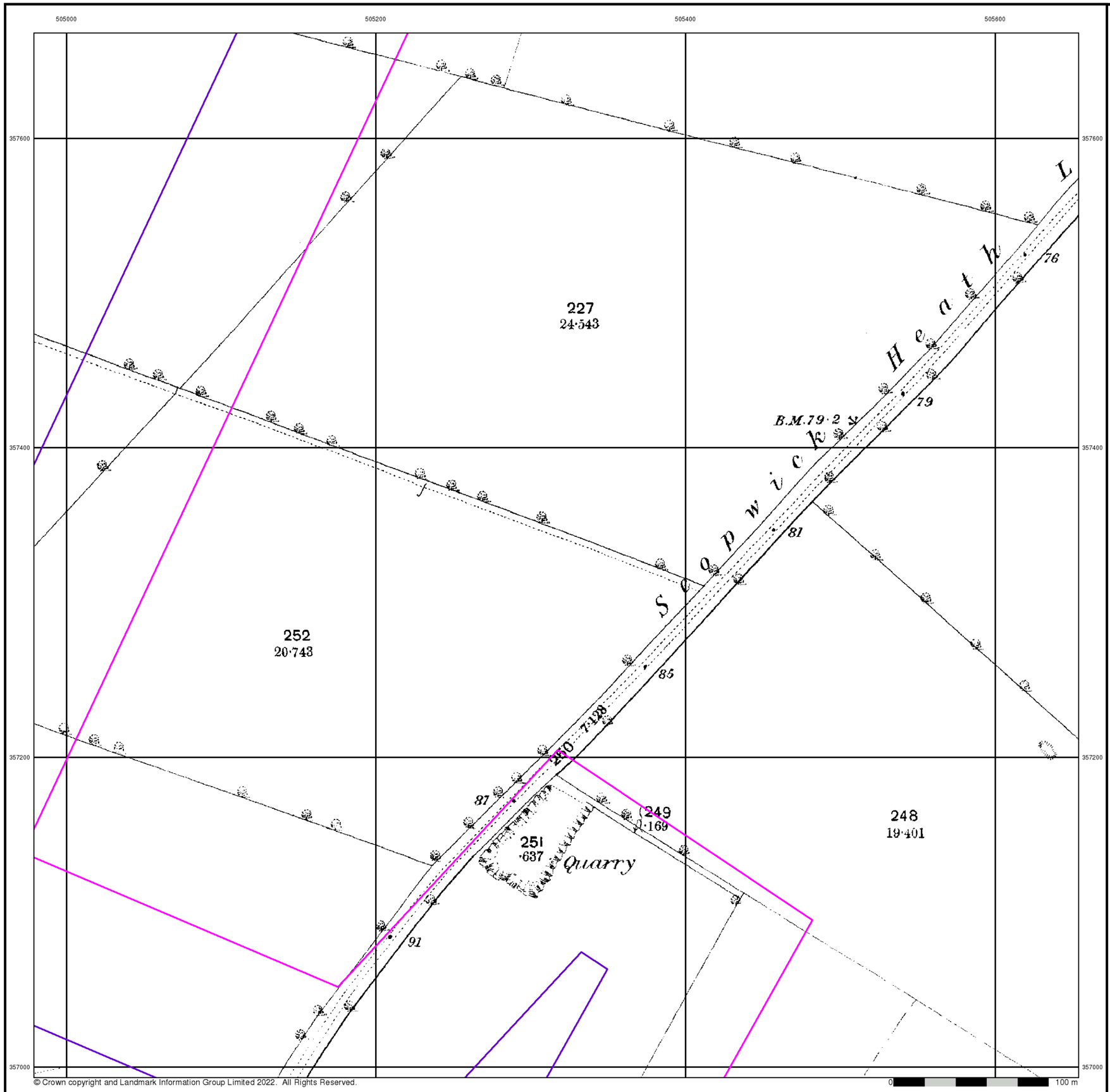

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0 100 m

RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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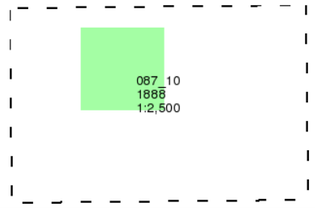
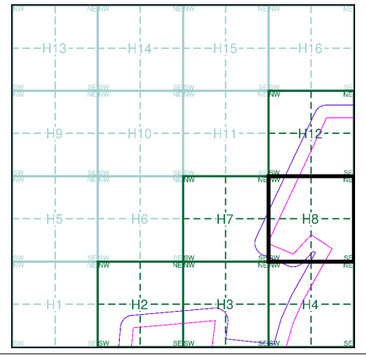


Historical Map - Segment H8



Order Details

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Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
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Site Details

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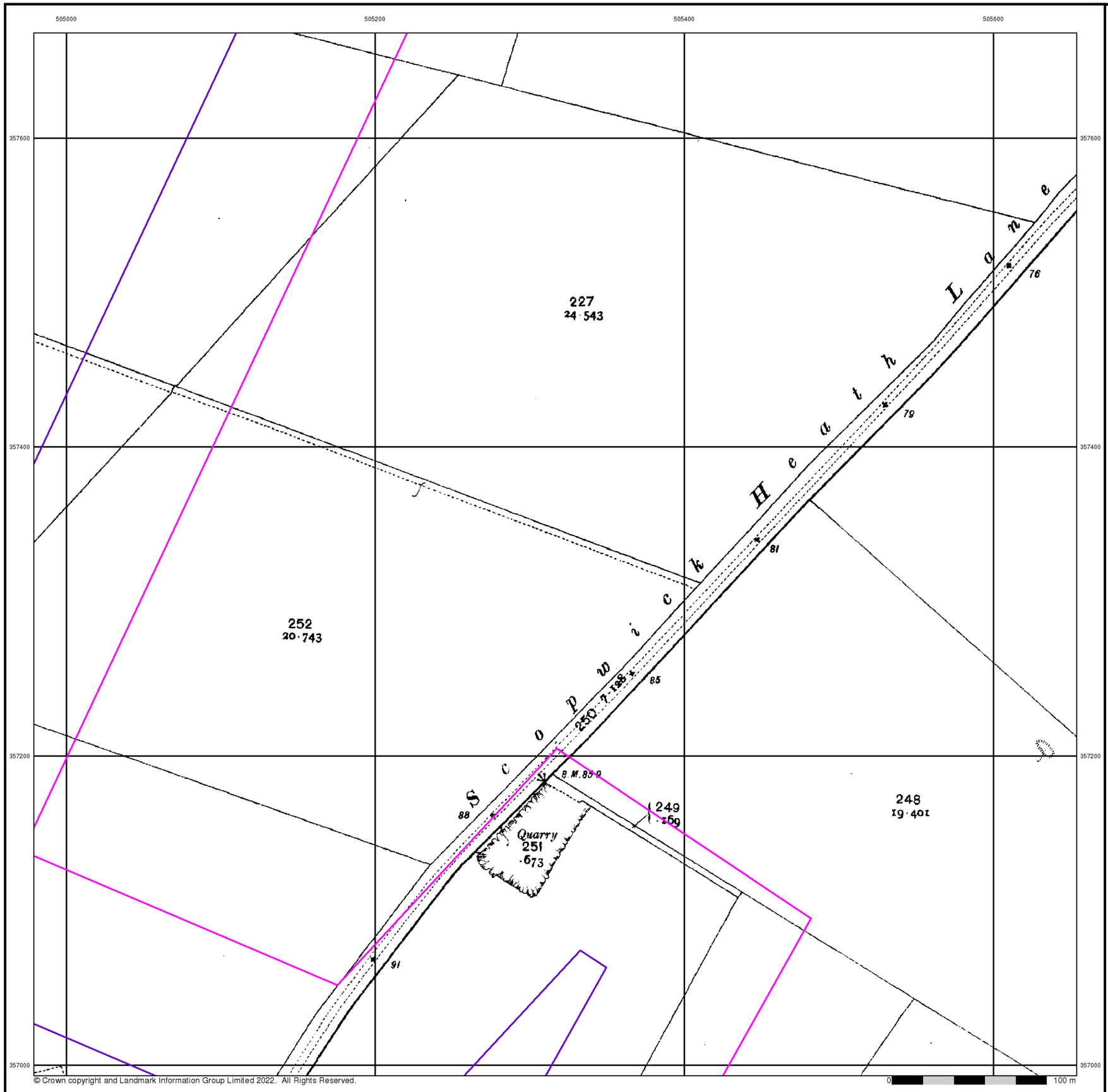

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0 100 m

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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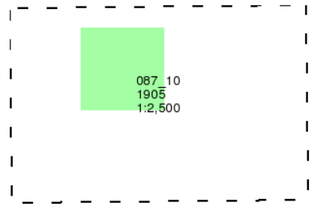
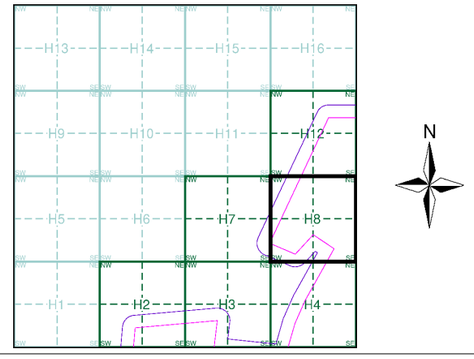


Historical Map - Segment H8



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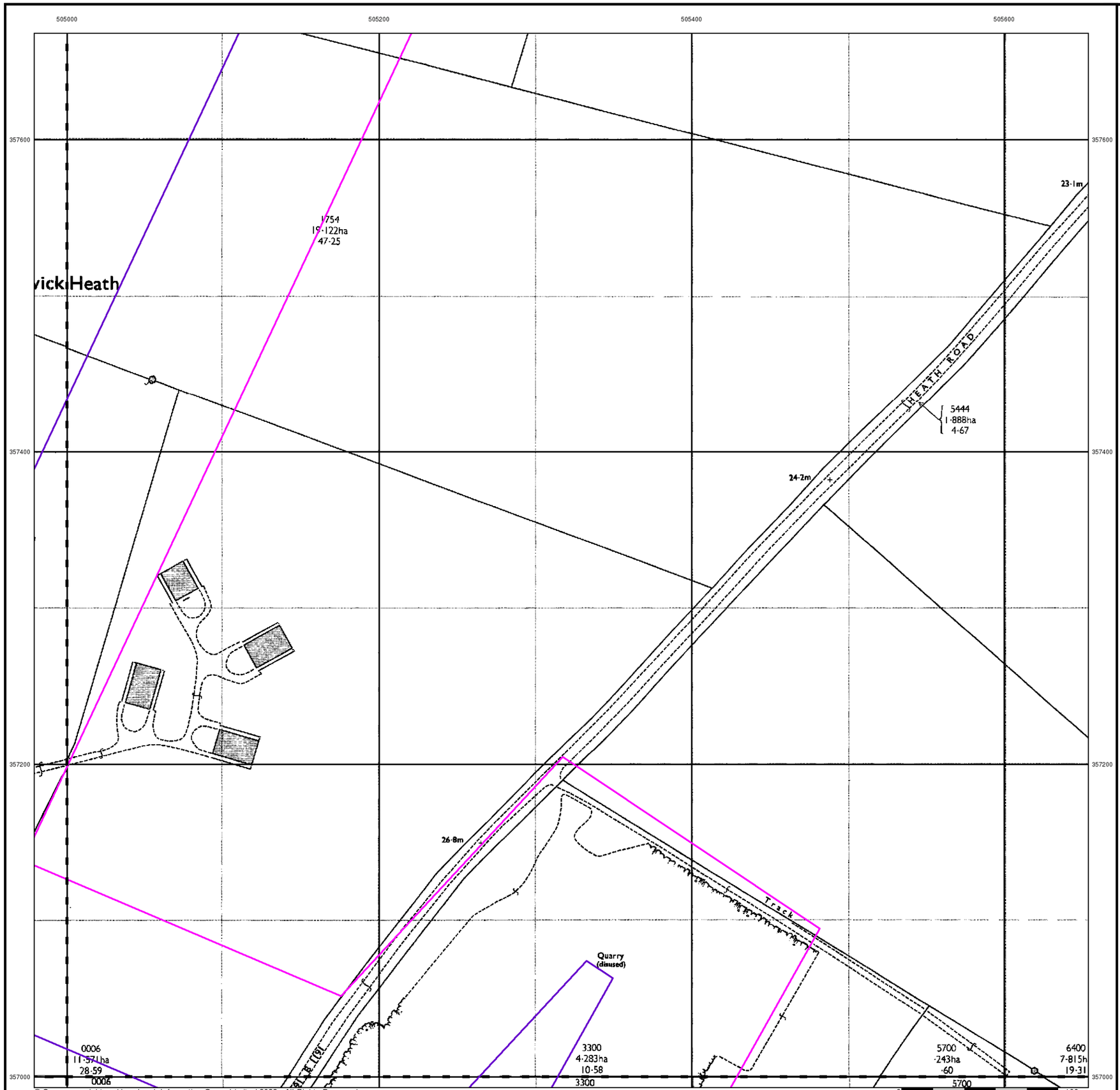

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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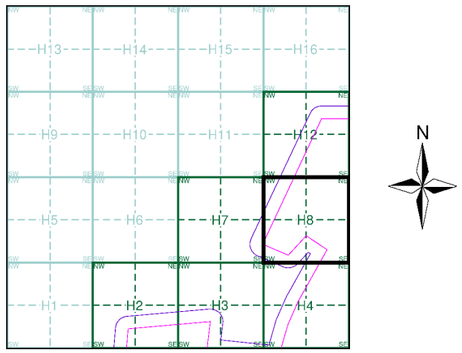
Map Name(s) and Date(s)

TF0457 1979 1:2,500	TF0557 1979 1:2,500
TF0456 1979 1:2,500	TF0556 1979 1:2,500

Historical Map - Segment H8



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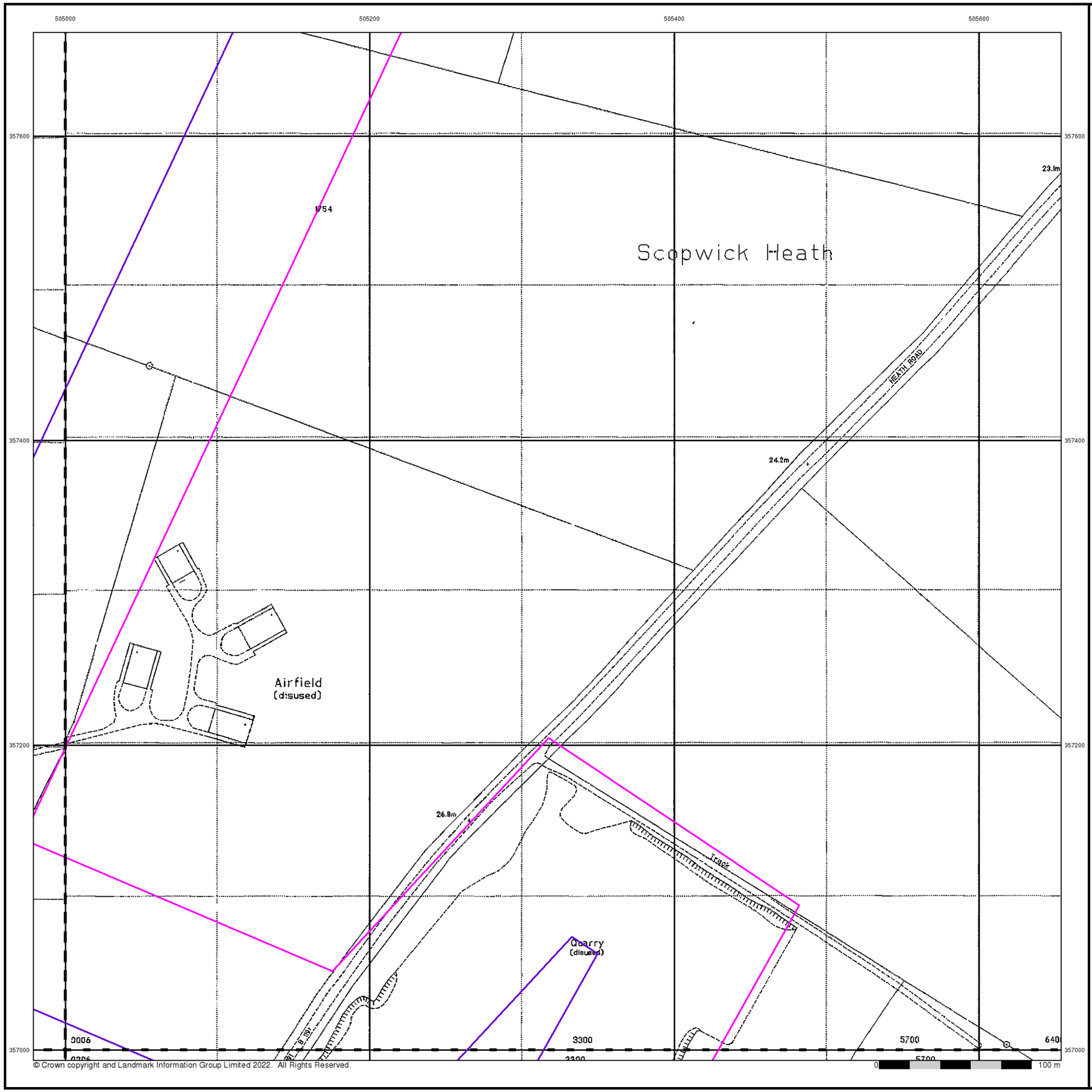

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RSK

Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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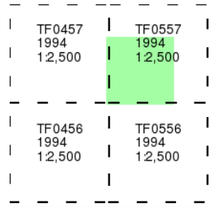
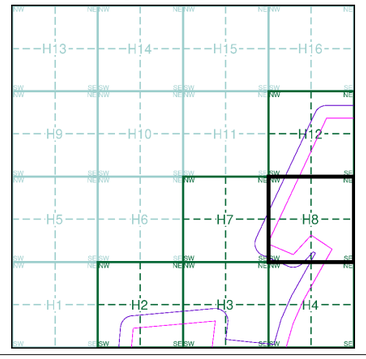


Historical Map - Segment H8



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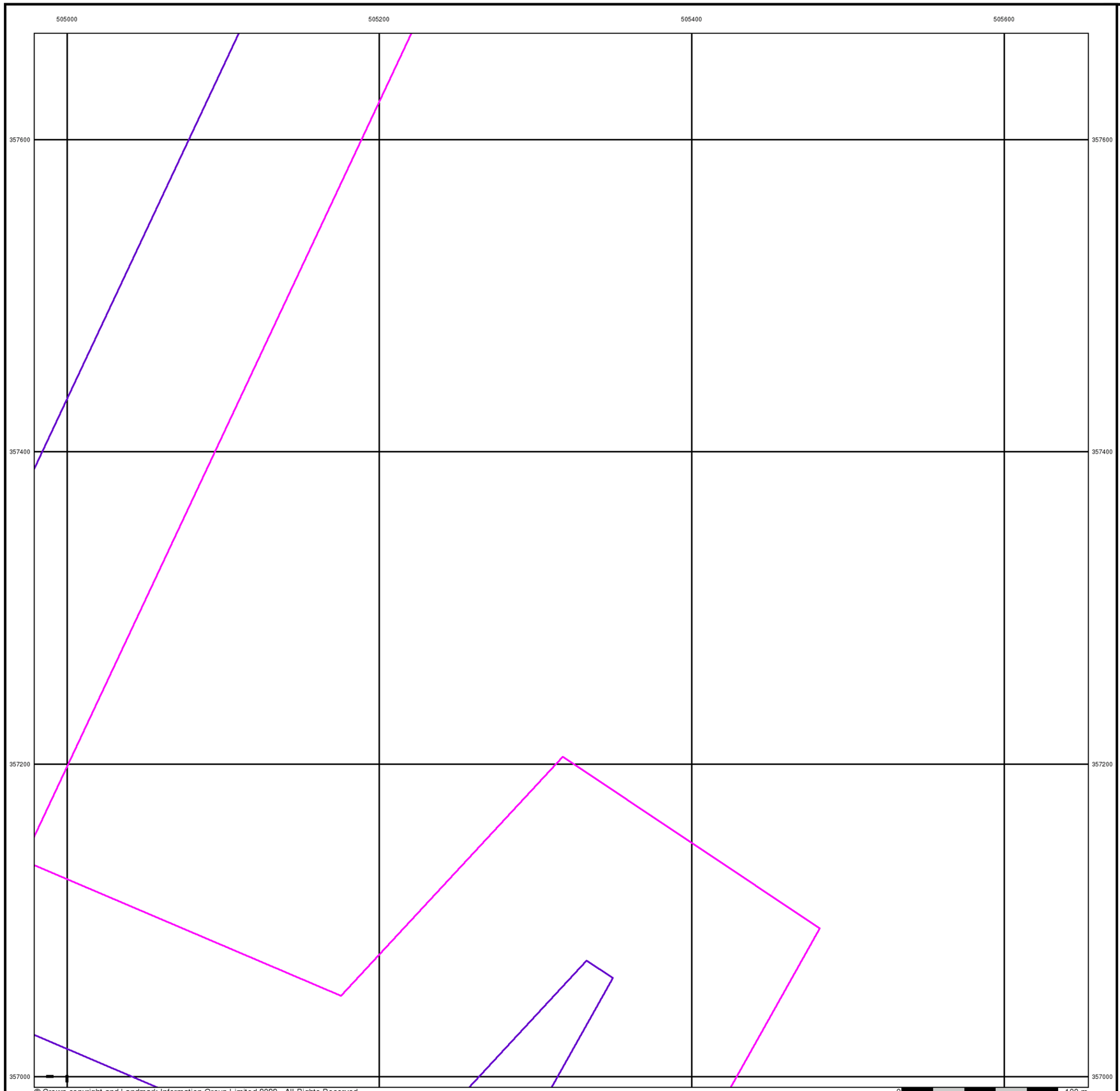

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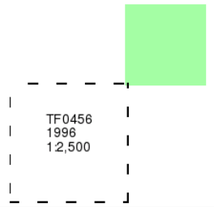
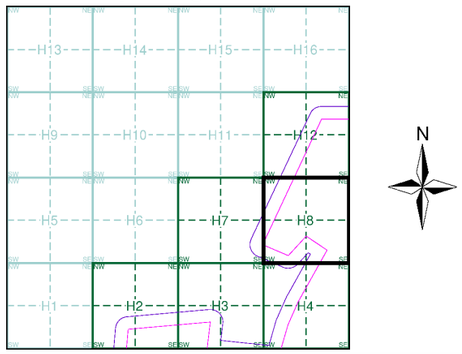


Historical Map - Segment H8



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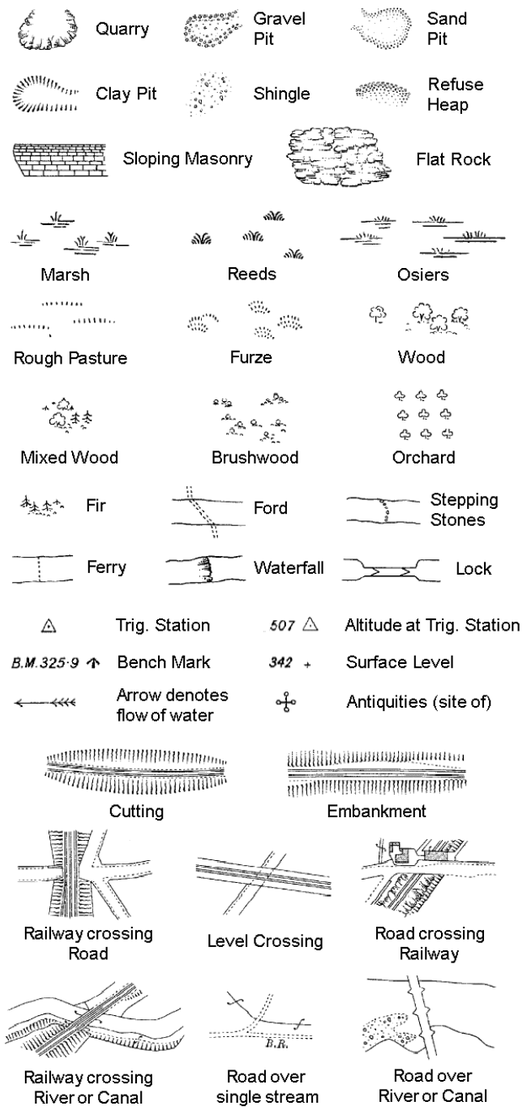
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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County & Civil Parish Boundary
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F.B.	Foot Bridge	Sl.	Sluice
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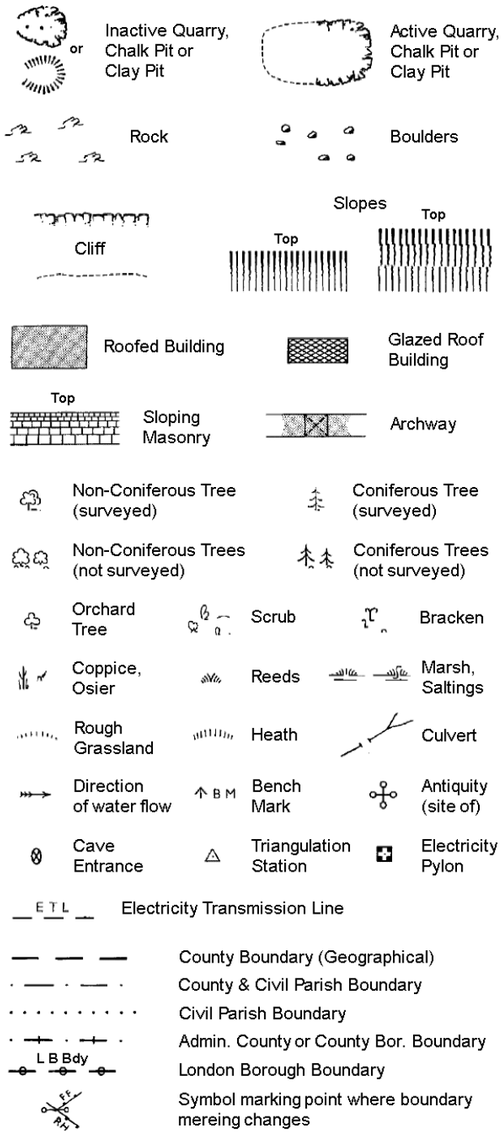
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

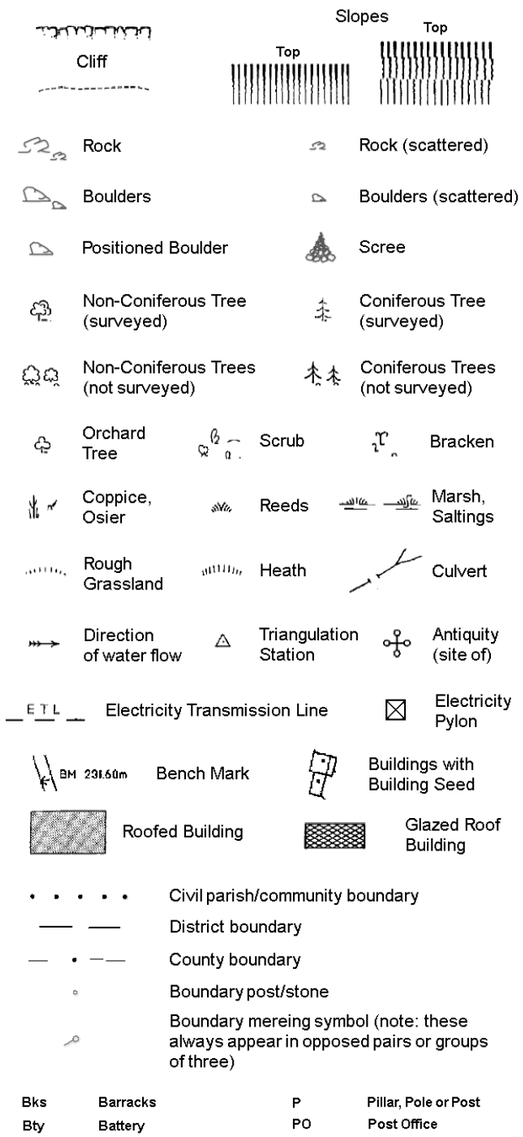
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

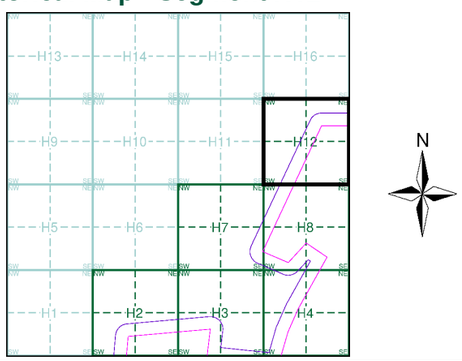
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment H12



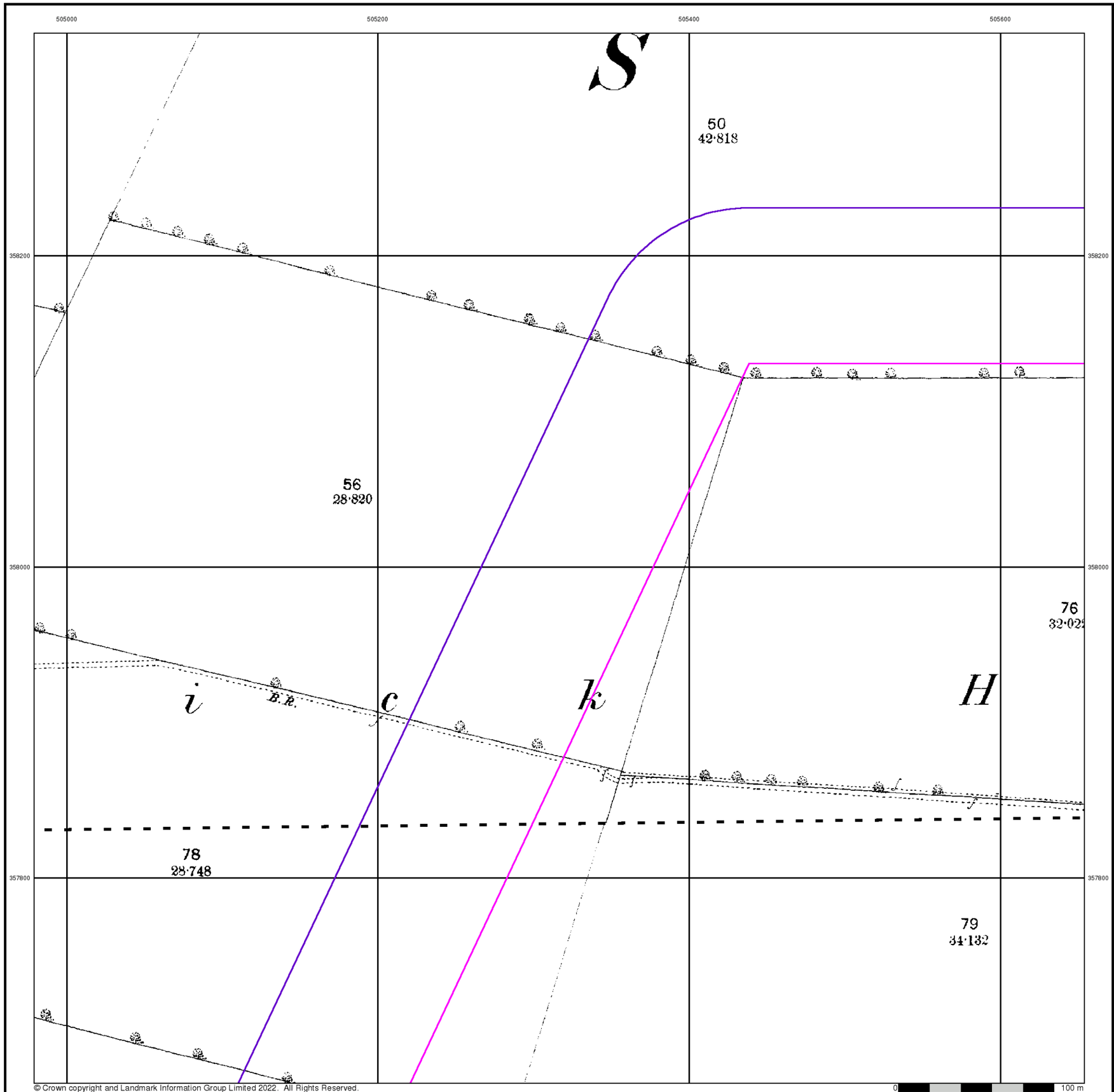
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 504600, 357380
Slice: H
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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0 100 m

RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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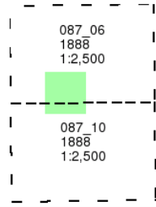
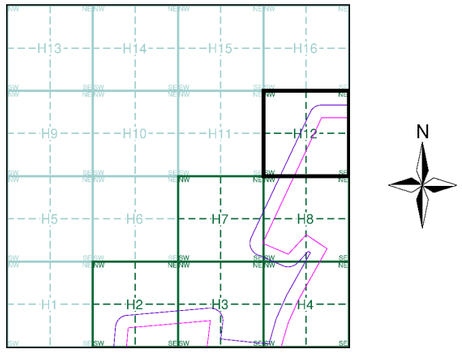
Map Name(s) and Date(s)



Historical Map - Segment H12



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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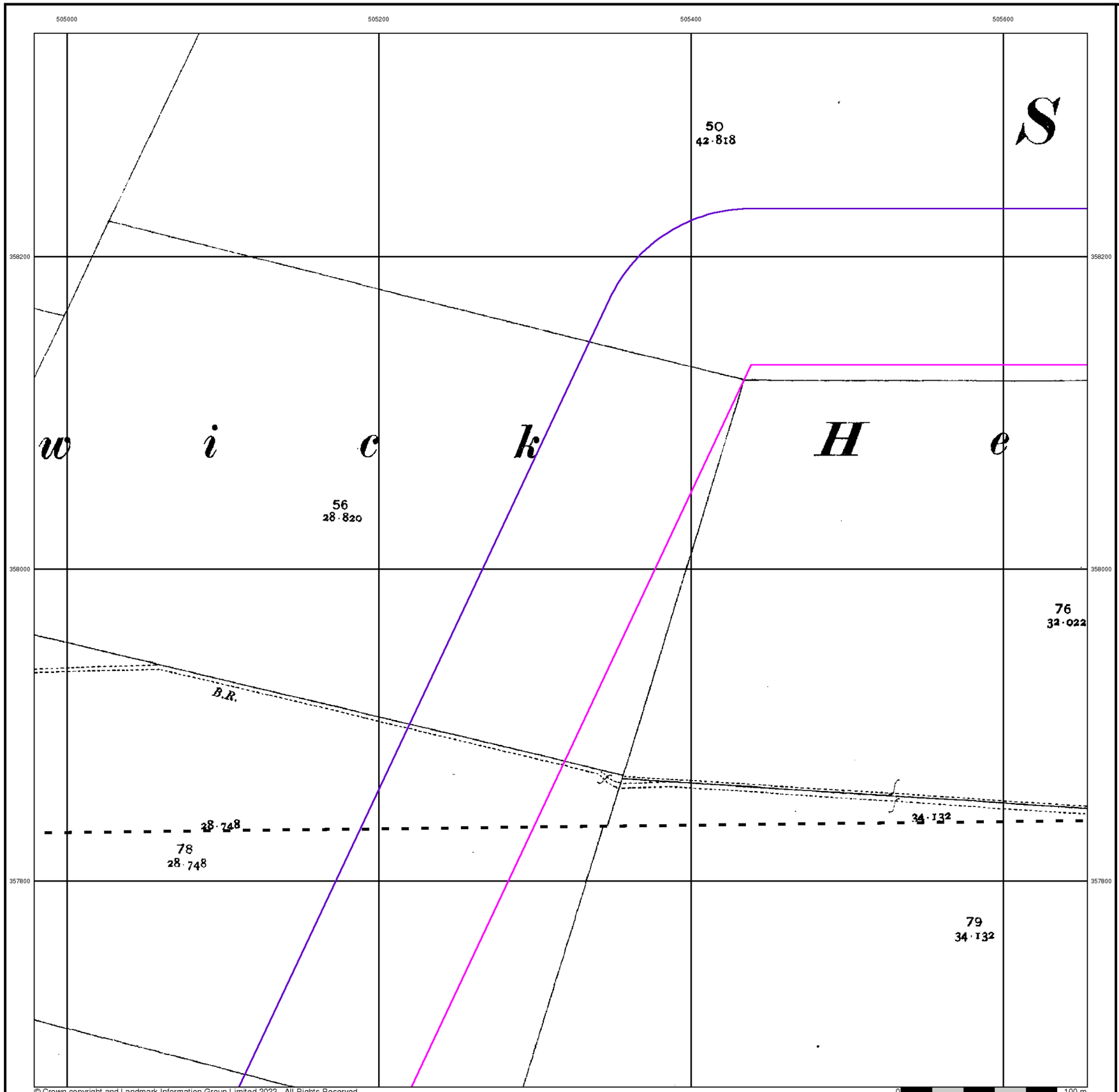

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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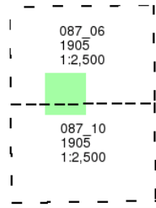
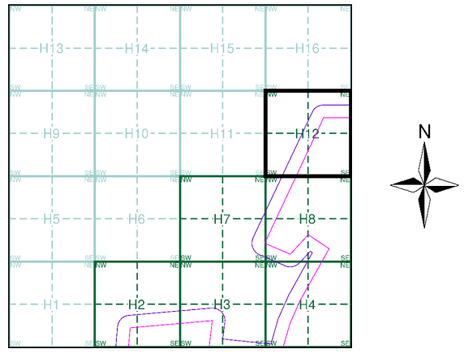
Map Name(s) and Date(s)



Historical Map - Segment H12



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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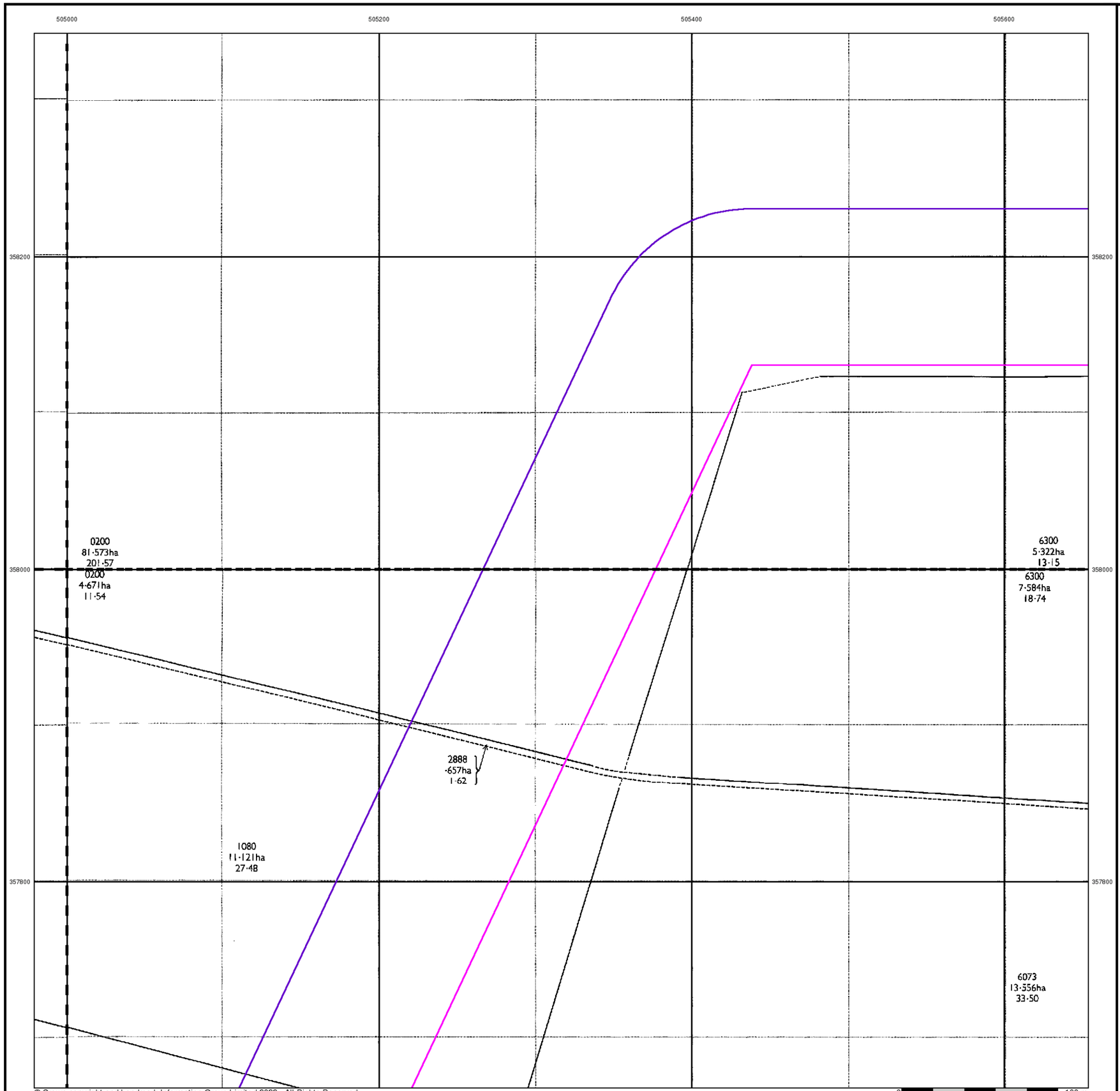

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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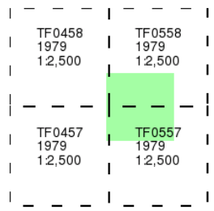
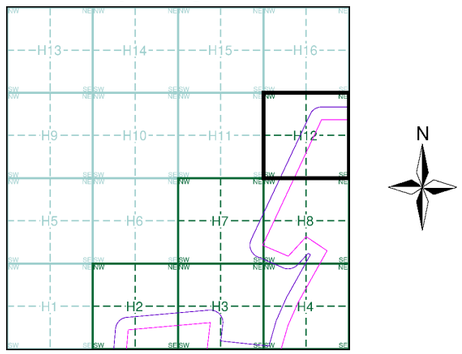
Map Name(s) and Date(s)



Historical Map - Segment H12



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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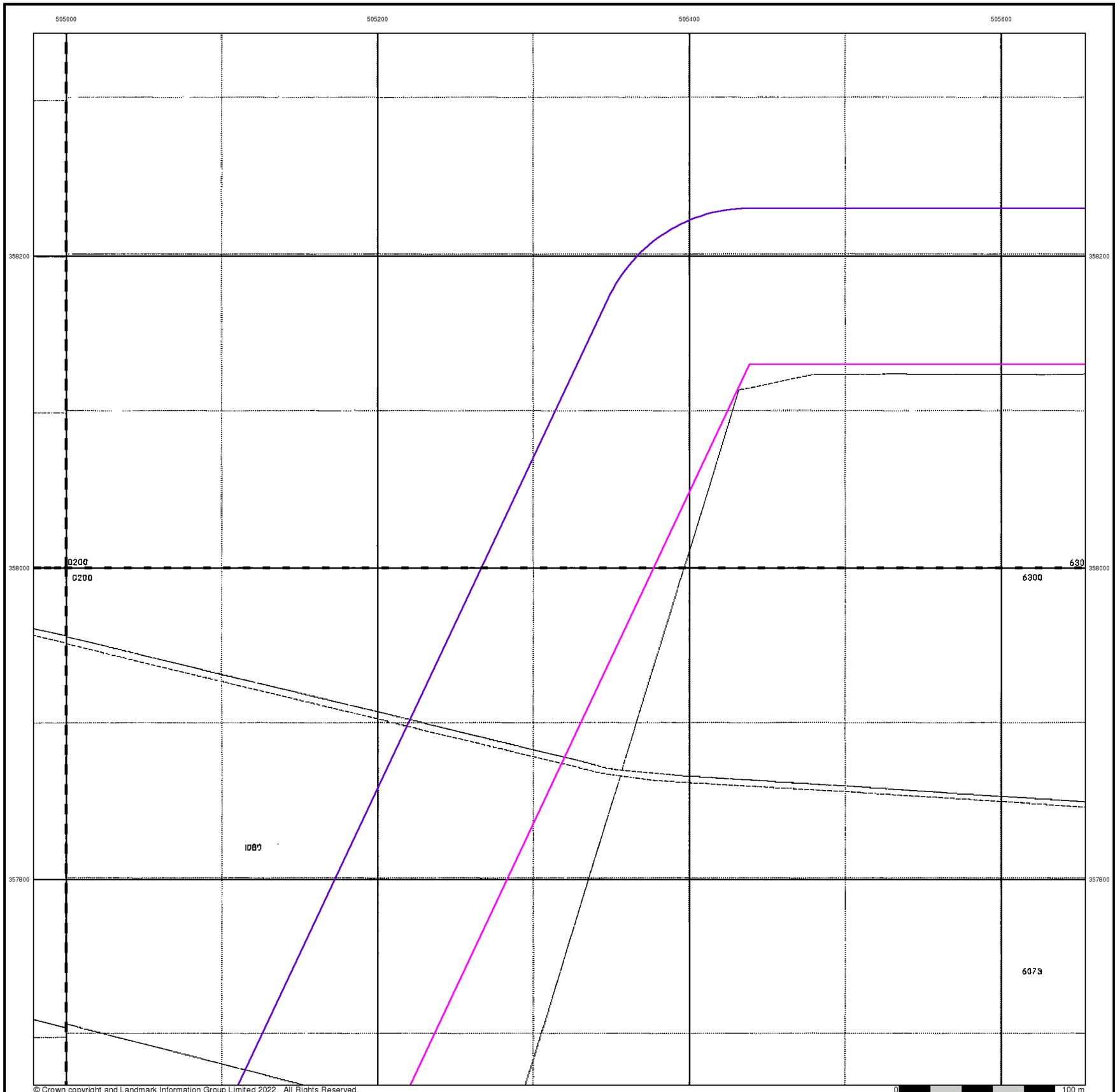
Web: www.envirocheck.co.uk



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RSK

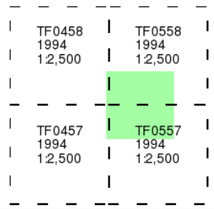
Large-Scale National Grid Data

Published 1994

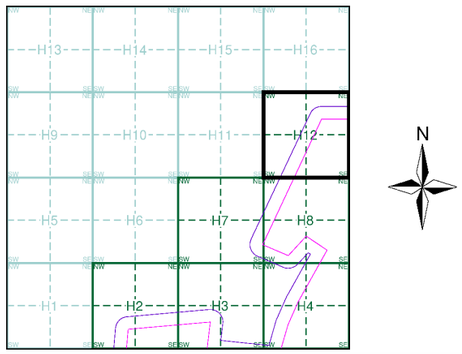
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment H12



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	504600, 357380
Slice:	H
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP

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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX D9 ENVIRONMENTAL DATABASE REPORT – ZONE I

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
506980, 357690

Slice:
I

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:
All Areas New

Client Details:
Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	43
Hazardous Substances	-
Geological	44
Industrial Land Use	47
Sensitive Land Use	48
Data Currency	49
Data Suppliers	53
Useful Contacts	54

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 5	2	1	1	
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6	Yes			
Pollution Incidents to Controlled Waters	pg 6		2		
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 6	39	11	1	
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 19	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 31	18	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 32	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 33	Yes	n/a	n/a	n/a
Source Protection Zones	pg 33	3	1		
Extreme Flooding from Rivers or Sea without Defences	pg 33	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 33	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 33	17	23	28	8

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 43			1	
Licensed Waste Management Facilities (Locations)	pg 43			1	
Local Authority Landfill Coverage	pg 43	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 43				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 44	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 44	1	2	2	1
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 45	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 45	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 45	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 45		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 45	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 46	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 46	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 47		1		
Fuel Station Entries	pg 47		1		
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland	pg 48			1	1
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 48	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I16NE (NE)	0	1	508350 358750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	507450 359500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	507300 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	507350 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	507750 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	0	1	508100 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I5SW (W)	0	1	505750 357250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I12SE (E)	0	1	508250 357800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	0	1	508150 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	507150 359300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	507100 359350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	507650 359350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I15SW (N)	0	1	507050 358500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I15SW (N)	0	1	507250 358500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I5NW (W)	0	1	505950 357400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I7NW (S)	0	1	507050 357350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I5SW (W)	0	1	505800 357300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I7NW (S)	0	1	507050 357500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I7SW (S)	0	1	507050 357300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I5NE (W)	0	1	506100 357500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I10NE (NW)	0	1	506750 358150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I5SW (W)	0	1	505700 357200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I10SW (W)	0	1	506650 357800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	505400 357150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I16SE (NE)	0	1	508150 358650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I7NW (SE)	0	1	507300 357550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I10SE (S)	0	1	506976 357692
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I11NE (NE)	0	1	507350 358050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I12NE (E)	0	1	508150 358050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I10SE (NW)	0	1	506800 357900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I10SW (W)	0	1	506600 357750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I12SE (E)	0	1	508200 358000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	506350 355800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	0	1	507350 359700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I10SE (W)	0	1	506950 357692
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I10NE (N)	0	1	506850 358250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	507350 359450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I15SW (N)	0	1	507050 358350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I9NE (NW)	0	1	506100 358100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I5NE (W)	0	1	506200 357600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I6NW (W)	0	1	506500 357650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I2NW (SW)	0	1	506550 356900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	0	1	508450 358700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I5NW (W)	0	1	505850 357400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I6NE (S)	0	1	507000 357400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I15NE (NE)	0	1	507600 358950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I10SE (NW)	0	1	506850 357900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I10SE (W)	0	1	506800 357692
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I11SW (NE)	0	1	507250 357850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I9NE (NW)	0	1	506300 358050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I5NE (W)	0	1	506000 357500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I5NE (W)	0	1	506000 357450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	505000 357692
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I6NE (S)	6	1	506976 357650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	20	1	505250 357050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	22	1	505300 357100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	25	1	505350 357150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I5NE (W)	37	1	506000 357550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I10SE (NW)	39	1	506750 357800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I10NE (N)	43	1	506900 358100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I10SW (NW)	46	1	506400 358000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I7NW (E)	46	1	507250 357600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	56	1	505350 357100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I10SE (E)	73	1	507000 357692
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I7NW (SE)	75	1	507150 357400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I3NW (S)	78	1	507050 356850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	83	1	505250 356900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I10SE (NW)	102	1	506800 357850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I9SE (W)	104	1	506100 357700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I12SE (E)	127	1	508200 357950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I10NE (N)	155	1	506950 358050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I11SW (NE)	208	1	507100 357750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I2SE (S)	217	1	506950 356550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I13SE (NW)	266	1	506250 358550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I14NW (NW)	269	1	506350 358850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I14SW (NW)	283	1	506350 358650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I11SW (E)	297	1	507200 357750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	307	1	507700 355850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I3SW (S)	331	1	507100 356350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	360	1	507200 356300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	I11SW (E)	364	1	507250 357800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(N)	378	1	506350 359650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I11SE (E)	396	1	507350 357800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	415	1	508850 357850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I13NE (NW)	418	1	506200 358850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I13SW (NW)	420	1	505950 358550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	422	1	506050 359500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	435	1	506250 359650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(E)	448	1	508850 357692
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	470	1	506250 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	I13SW (NW)	470	1	505900 358600
1	**Discharge Consents** Operator: Paul E Scholey Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Walnut Cottage(Old Post Office), Scopwick, Lincoln Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu504 Permit Version: 1 Effective Date: 11th March 1971 Issued Date: 11th March 1971 Revocation Date: 9th June 1997 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Approximate location provided by supplier	I9SE (W)	0	2	506000 358000
2	**Discharge Consents** Operator: North Kesteven District Council Property Type: Domestic Property (Multiple) Location: Camp Road Council Houses Field Os 57, Camp Road, Scopwick, Lincs, Ln4 3pa Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu32 Permit Version: 1 Effective Date: 10th February 1966 Issued Date: 10th February 1966 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Approximate location provided by supplier	I5SE (SW)	0	2	506000 357000
3	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Scopwick Pumping Staton Willow Close, Scopwick, Lincoln, Lincs, Ln4 3pj Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff984 Permit Version: 1 Effective Date: 9th March 1973 Issued Date: 9th March 1973 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unknown Trib. Scopwick Beck **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	I11NW (NE)	240	2	507206 358059
4	**Discharge Consents** Operator: North Kesteven District Council Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Scopwick, East End Of Village, Sleaford, Lincs Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3nfa0872 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 30th March 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unknown Trib **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	I11NW (NE)	268	2	507250 358030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	I6SW (SW)	0	-	506619 357239
5	**Pollution Incidents to Controlled Waters** Property Type: Road Location: Lincoln District Authority: Environment Agency, Anglian Region Pollutant: Oils - Petrol Note: Scopwick Beck Incident Date: 22nd January 1998 Incident Reference: 2916 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Leaking Bales/Bags Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	I10NE (N)	194	2	507000 358100
6	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Lincoln District Authority: Environment Agency, Anglian Region Pollutant: Miscellaneous - Other Note: Scopwick Beck Incident Date: 3rd February 1994 Incident Reference: 1825 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	I11NW (NE)	204	2	507200 358095
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 102 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 102 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 102 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 102 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 102 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Household Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 102 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Household Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 102 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 102 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 102 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 102 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 101 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 15th September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 101 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 101 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 101 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Household Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 101 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 101 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 101 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 101 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 101 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 15th September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 101 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Household Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th September 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 100 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506215 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 100 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 357995
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 100 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 100 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358005
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 100 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506215 358005
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 100 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Household Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506185 358005
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 100 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506185 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 100 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 357995
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 100 Location: Borehole Aa - Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506195 358000
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0011 Permit Version: 100 Location: Borehole A - Scopwick Authority: Environment Agency, Anglian Region Abstraction: Household Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506205 358005
7	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/011 Permit Version: Not Supplied Location: Borehole C , SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Domestic Use Only Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 7 Yearly Rate (m3): 909000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506200 357995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/011 Permit Version: Not Supplied Location: Borehole B , SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 8 Yearly Rate (m3): 909000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506195 358005
7	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/011 Permit Version: Not Supplied Location: Borehole B , SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 55 Yearly Rate (m3): 909000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506195 357990
7	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/011 Permit Version: Not Supplied Location: Borehole B , SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 72 Yearly Rate (m3): 909000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 357990
7	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/011 Permit Version: Not Supplied Location: Borehole, SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 101 Yearly Rate (m3): 909000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506190 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/011 Permit Version: Not Supplied Location: Borehole, SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 55 Yearly Rate (m3): 909000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506210 358005
7	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/011 Permit Version: Not Supplied Location: Borehole, SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 101 Yearly Rate (m3): 909000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I9SE (W)	0	2	506215 357995
8	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/020 Permit Version: Not Supplied Location: Scopwick Estates Bore, SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Domestic & Agriculture Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 2 Yearly Rate (m3): 4550 Details: Central Lincolnshire Limestone; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I15SW (N)	0	2	507300 358500
9	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/019 Permit Version: Not Supplied Location: J Middleton Well , SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 2270 Details: Central Lincolnshire Limestone; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I5SE (SW)	0	2	506100 357100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	**Water Abstractions** Operator: J Baumber & Son Licence Number: 4/30/09/*G/0060 Permit Version: 100 Location: J.Baumber & Son Bore Rowston Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I2NE (S)	48	2	507000 356850
11	**Water Abstractions** Operator: J Baumber & Son Licence Number: 4/30/09/*G/0060 Permit Version: 100 Location: J.Baumber & Son Bore Rowston Authority: Environment Agency, Anglian Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I2NE (S)	65	2	506850 356700
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0128 Permit Version: 100 Location: Borehole At Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 21st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I12NW (NE)	157	2	507765 358060
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0128 Permit Version: 100 Location: Borehole At Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 21st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I12NW (NE)	158	2	507760 358065

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/128 Permit Version: Not Supplied Location: Borehole, SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 45 Yearly Rate (m3): 764000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I12NW (NE)	160	2	507765 358055
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0128 Permit Version: 101 Location: Borehole At Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I12NW (NE)	161	2	507760 358060
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0128 Permit Version: 101 Location: Borehole At Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I12NW (NE)	161	2	507760 358060
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0128 Permit Version: 101 Location: Borehole At Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I12NW (NE)	161	2	507760 358060

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/128 Permit Version: Not Supplied Location: Borehole, SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 91 Yearly Rate (m3): 1273000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I12NW (NE)	161	2	507760 358060
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0128 Permit Version: 100 Location: Borehole At Scopwick Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 21st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I12NW (NE)	162	2	507755 358065
12	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/128 Permit Version: Not Supplied Location: Borehole, SCOPWICK Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 91 Yearly Rate (m3): 1273000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I12NW (NE)	164	2	507760 358055
13	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/019 Permit Version: Not Supplied Location: Scopwick Ests Bore2 , BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 1140 Details: Central Lincolnshire Limestone; Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	I12SW (E)	461	2	507900 357695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I9SE (W)	0	3	506000 357685
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I10SE (NW)	0	3	506908 357766
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I7NW (SE)	0	3	507244 357548
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505462 357000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I14NE (N)	0	3	506976 359000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	507265 359144
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I14NE (N)	0	3	507000 359000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505624 355944

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505249 356000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I10SE (N)	0	3	506976 358000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I10SE (N)	0	3	507000 358000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I12NW (E)	0	3	507960 358043

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I12SW (E)	0	3	508000 358000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I1SW (SW)	0	3	505932 356461
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	506000 355956
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	506739 356000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I1SW (SW)	0	3	505728 356414
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	506631 356105
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I7NW (SE)	0	3	507112 357598
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	508000 359653

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I16NW (NE)	0	3	507981 359000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I16NW (NE)	0	3	508000 359000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	507413 359531
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	505000 357000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I5SE (SW)	0	3	506000 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505329 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I6SE (S)	0	3	506976 357000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I6SE (S)	0	3	507000 357000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I9SE (W)	0	3	506000 358000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I10SE (N)	0	3	506950 358000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I11SW (NE)	0	3	507334 358000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I12NE (E)	0	3	508160 358099

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	506000 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505546 356000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	505052 356000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	506000 355643
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	506156 356000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	506338 355806
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	(NE)	0	3	509000 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	3	509000 358000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I14NW (N)	0	3	506659 359000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(N)	0	3	507000 359093
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I15NW (N)	0	3	507062 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	505000 357692
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I9SE (W)	0	3	506000 357692
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I5NE (W)	0	3	506000 357566
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I10SE (NW)	0	3	506768 357842

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I10SE (S)	0	3	506976 357692
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I10SE (E)	0	3	507000 357692
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NE)	0	3	508000 359113
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	I16NE (NE)	0	3	508180 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I9SE (W)	0	3	506000 358000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I10SE (N)	0	3	506976 358000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I10SE (N)	0	3	507000 358000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I12SW (E)	0	3	508000 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(W)	0	3	505000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	I5SE (SW)	0	3	506000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I6SE (S)	0	3	506976 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I6SE (S)	0	3	507000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(W)	0	3	505000 357692
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I9SE (W)	0	3	506000 357692
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I10SE (S)	0	3	506976 357692
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I10SE (E)	0	3	507000 357692
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(SW)	0	3	505000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(SW)	0	3	506000 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(S)	0	3	506976 356000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I14NE (N)	0	3	506976 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I14NE (N)	0	3	507000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	I16NW (NE)	0	3	508000 359000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SW)	0	3	505624 355944
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	I7NW (SE)	0	3	507244 357548
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	I10SE (NW)	0	3	506908 357766
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	I7NW (SE)	0	3	507112 357598
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(W)	0	3	505000 357692
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	I10SE (S)	0	3	506976 357692
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	I8NW (E)	0	3	508016 357477
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SE)	0	3	507785 355884

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	I1SW (SW)	0	3	505932 356461
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	(N)	0	3	507413 359531
14	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone IIc (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater - subsurface activity only.	I10SW (W)	0	2	506527 357874
15	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	I10SE (W)	0	2	506907 357719
16	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone Ic (Inner Protection Zone): Travel time of 50 days or less to the groundwater source - subsurface activity only.	I9SE (W)	0	2	506322 357954
17	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	(NW)	177	2	505941 359791
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	I10SE (N)	0	2	506937 358002
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	I10NE (N)	0	2	506941 358006
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 251.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I6SW (SW)	0	4	506535 357212
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 244.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I6SW (SW)	0	4	506535 357212
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 541.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I7NW (S)	0	4	507050 357378

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 105.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I7NW (SE)	0	4	507123 357454
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1510.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I2NE (S)	0	4	506864 356831
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 645.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I3NW (S)	0	4	507145 356970
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I2NE (S)	0	4	506864 356831
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 39.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I2NE (S)	0	4	506865 356830
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 235.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I14SE (N)	0	4	506950 358573
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 516.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I14NE (N)	0	4	506964 358808
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 280.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I16SW (NE)	0	4	507832 358348
29	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I16SW (NE)	0	4	507987 358479

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 460.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I16SW (NE)	0	4	507985 358484
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I16NW (NE)	0	4	507997 358842
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 62.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I16NW (NE)	0	4	507995 358852
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I16NW (NE)	0	4	507981 358912
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 316.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I16NE (NE)	0	4	508038 358952
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 100.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I10SW (NW)	2	4	506480 357941
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I10SW (NW)	27	4	506564 357956
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 534.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I10NE (N)	27	4	506953 358006
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I10SW (NW)	28	4	506553 357955

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I10SW (NW)	29	4	506528 357953
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I10SW (NW)	31	4	506531 357954
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 374.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I3NW (S)	67	4	507236 356926
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I7NW (SE)	93	4	507123 357454
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 403.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I7NW (SE)	115	4	507173 357599
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	I7NW (SE)	115	4	507146 357458
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11NE (NE)	127	4	507353 358081
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 164.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I10SE (N)	149	4	506978 357824
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 148.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I12NW (NE)	154	4	507703 358007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	I7NW (SE)	201	4	507236 357470
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 451.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	I7NW (SE)	207	4	507243 357471
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 88.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11NW (NE)	216	4	507265 358076
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 88.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11NE (NE)	216	4	507404 358008
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 168.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11NW (N)	221	4	507098 358056
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 227.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I3NE (SE)	231	4	507446 356969
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 123.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SE (E)	238	4	507678 357890
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I12NW (NE)	239	4	507698 358010
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 96.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11NE (NE)	241	4	507604 358031

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 150.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11NW (N)	247	4	507092 358036
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11NW (NE)	262	4	507237 358037
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11NW (N)	264	4	507088 358035
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 184.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SW (NE)	276	4	507222 357846
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 134.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11NW (NE)	276	4	507275 358022
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 546.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I12SE (E)	277	4	508090 357891
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SW (NE)	288	4	507140 357847
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SE (NE)	288	4	507405 358005
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SE (NE)	291	4	507406 358004

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 289.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SE (NE)	291	4	507406 358004
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 170.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	I11SE (E)	292	4	507383 357835
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 61.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SW (NE)	294	4	507146 357847
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SE (E)	340	4	507666 357898
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SE (E)	340	4	507667 357898
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 901.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SE (E)	340	4	507678 357890
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I11SW (NE)	344	4	507206 357842
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	I11SW (NE)	361	4	507222 357846
74	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	I11SW (NE)	366	4	507228 357846

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 145.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	I11SW (NE)	374	4	507237 357845
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 69.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I12SW (E)	422	4	507830 357722
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 247.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I7SE (SE)	427	4	507566 357320
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I3SE (S)	437	4	507358 356576
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I3SE (S)	438	4	507364 356577
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 158.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I3SE (S)	439	4	507370 356578
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 523.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	I7SE (SE)	443	4	507657 357055
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I7SE (SE)	445	4	507663 357109
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	I11SE (E)	461	4	507382 357833

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 349.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I7SE (SE)	462	4	507668 357117
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 254.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I3SE (SE)	482	4	507522 356617
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I4SW (SE)	657	4	507760 356620
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 129.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I4SW (SE)	657	4	507760 356620
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 214.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I4SW (SE)	759	4	507853 356575
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I8SW (SE)	795	4	508000 357128
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I8SW (SE)	795	4	508000 357124
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 375.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I8SW (SE)	796	4	508000 357128
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I4SW (SE)	952	4	507952 356385

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 231.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	I4SW (SE)	961	4	507954 356373

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Longwood Quarry Licence Number: 70908 Location: Longwood Quarries Ltd, Longwood Lane, Blankney, Lincoln, Lincolnshire, LN4 3BN Licence Holder: Longwood Quarries Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Closure** Issued: 27th February 1987 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	I13NE (NW)	393	2	506230 358892
95	**Licensed Waste Management Facilities (Locations)** Licence Number: 400444 Location: Longwood Quarry, Longwood Lane, Blankney, Lincolnshire, LN4 3BN Operator Name: Longwood Quarries Limited Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Treatment of waste to produce soil <75,000 tpy **Licence Status: Modified** Issued: 14th August 2013 Last Modified: 20th March 2019 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	I13NE (NW)	321	2	506300 358870
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	5	506976 357692
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	506976 357692
96	**Registered Landfill Sites** Licence Holder: Longwood Quarries Ltd Licence Reference: L 63 Site Location: Longwood Quarry, Longwood Lane, Blankney, LINCOLN, Lincolnshire, LN4 3AZ Licence Easting: 506100 Licence Northing: 359000 Operator Location: Estate Office, Longwood Lane, Blankney, LINCOLN, Lincolnshire, LN4 3AZ Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Operational as far as is knownOperational Dated: 27th February 1987 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Gen. Agricultural Wastes Lincs Cat. A -Sol.Inert * Prohibited Waste: Agricultural Chemicals Highly Putrescible Waste Liquid/Sludge Wastes Poisonous, Noxious, Polluting Wastes Spec.Waste (Epa'90:S62/1996 Regs) Waste Of Domestic Origin	I13NE (NW)	537	2	506100 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Inferior Oolite Group	I10SE (NW)	0	1	506774 357877
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	I10SE (S)	0	1	506976 357692
97	**BGS Recorded Mineral Sites** Site Name: The Firs Location: Scopwick, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134894 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I10NW (NW)	0	1	506627 358203
98	**BGS Recorded Mineral Sites** Site Name: Scopwick Location: Scopwick, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134900 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I10NE (N)	21	1	506823 358213
99	**BGS Recorded Mineral Sites** Site Name: Longwood Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 227780 Type: Opencast **Status: Active** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I14NW (NW)	216	1	506410 358740
100	**BGS Recorded Mineral Sites** Site Name: The Firs Stone Pit Location: Scopwick, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134890 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I14SW (NW)	307	1	506363 358492
101	**BGS Recorded Mineral Sites** Site Name: Longwood Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 2766 Type: Opencast **Status: Dormant** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I13NE (NW)	492	1	506125 358785

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	**BGS Recorded Mineral Sites** Site Name: Longwood Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 227779 Type: Opencast **Status: Dormant** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I13NW (NW)	680	1	505855 358810
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I1SW (SW)	0	1	505932 356461
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I7NW (SE)	0	1	507112 357598
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I10SE (NW)	0	1	506908 357766
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I8NW (E)	0	1	508016 357477
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I2SE (S)	82	1	506808 356631
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I7NE (SE)	139	1	507371 357493
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I7NE (SE)	139	1	507371 357493
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I8NW (E)	0	1	508016 357477
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	I1SW (SW)	0	1	505932 356461
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	I7NW (SE)	0	1	507112 357598

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	I2SE (S)	82	1	506808 356631
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I7NE (SE)	139	1	507371 357493
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	I10SE (NW)	0	1	506850 357801
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	(E)	0	1	508575 358226
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	I7SW (S)	0	1	507175 357076
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	I10SE (NW)	0	1	506850 357801
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	(E)	0	1	508575 358226
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	I7SW (S)	0	1	507175 357076
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	**Contemporary Trade Directory Entries** Name: L Brackenbury & Son Ltd Location: 19, Heath Road, Scopwick, Lincoln, LN4 3NU Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	I10NW (NW)	93	-	506595 358017
104	**Fuel Station Entries** Name: L Brackenbury And Sons Garage Location: 19, Heath Road , Scopwick , Lincoln, Lincolnshire, LN4 3NU Brand: Wcf Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	I10NW (NW)	101	-	506594 358025

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	**Ancient Woodland** Name: Long Wood Reference: 1115437 Area(m²): 53986.75 Type: Ancient and Semi-Natural Woodland	(NW)	449	7	505991 359223
106	**Ancient Woodland** Name: Long Wood Reference: 1115437 Area(m²): 28712.75 Type: Plantation on Ancient Woodland	(NW)	696	7	505970 359218
107	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	I10SE (S)	0	3	506976 357692
108	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	I10SE (S)	0	3	506976 357692

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

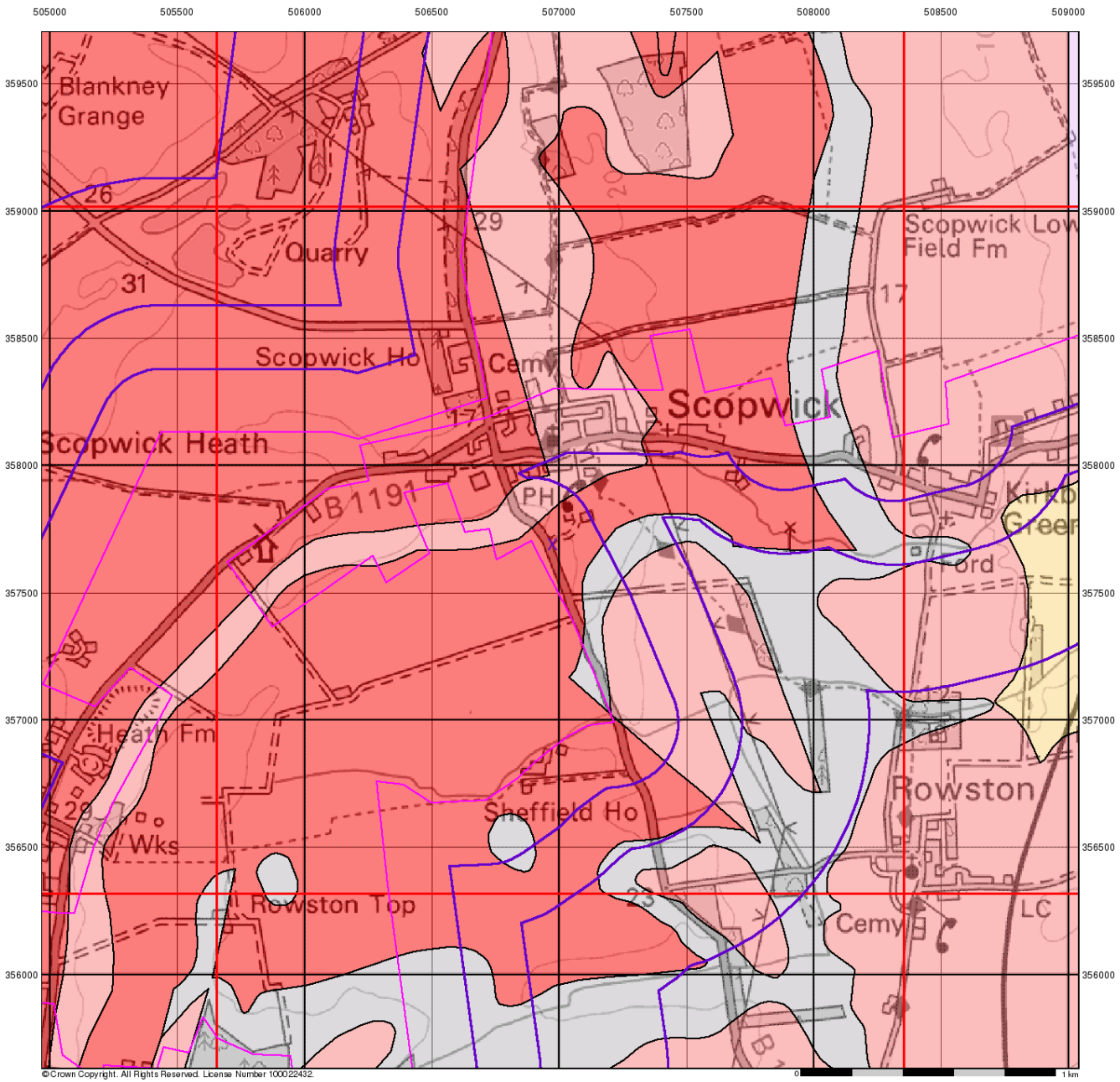
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Groundwater Vulnerability

General

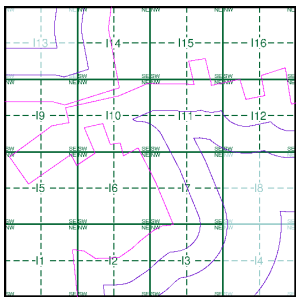
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer
Soluble Rock

Site Sensitivity Context Map - Slice I



Order Details

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Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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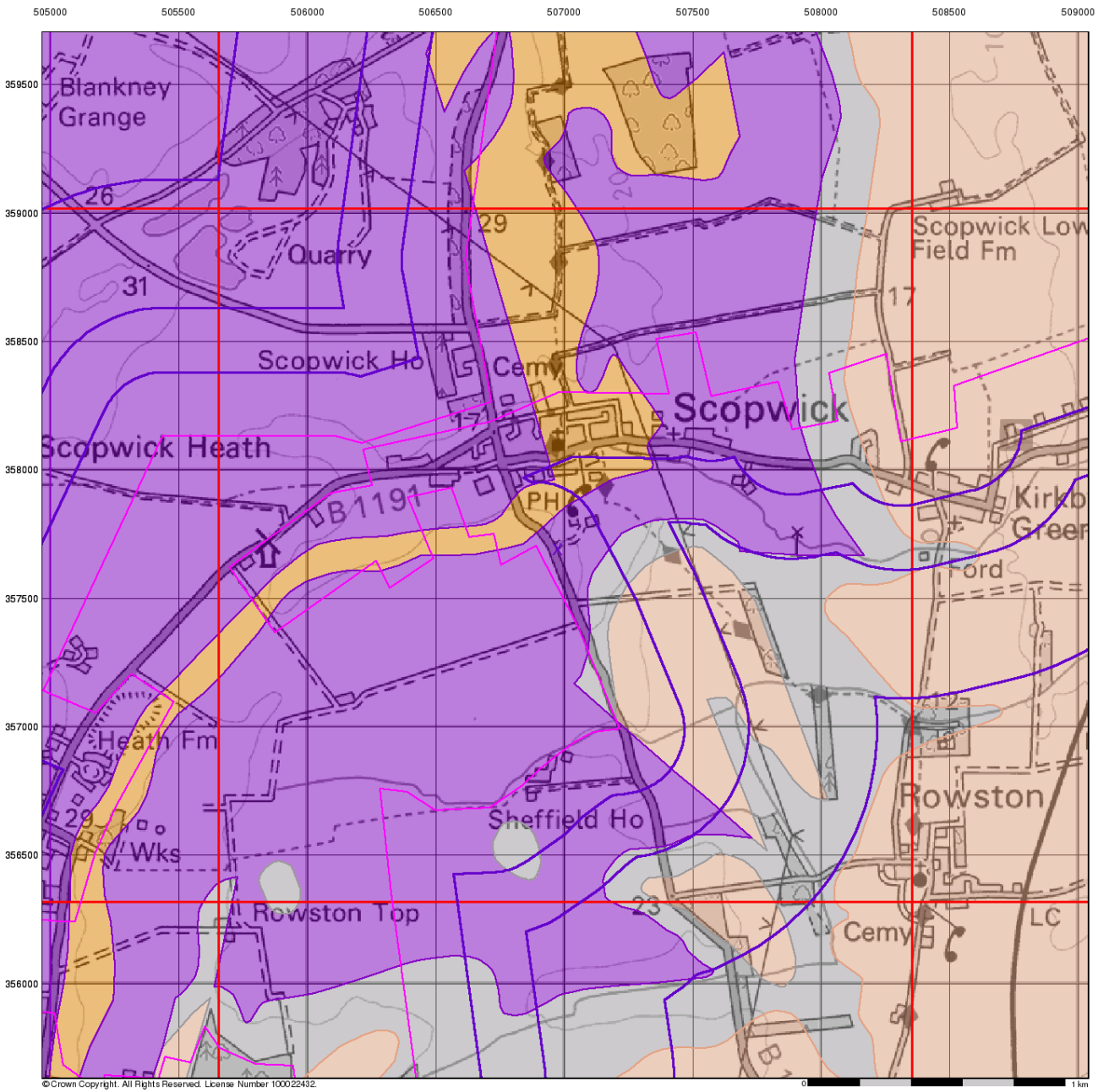
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

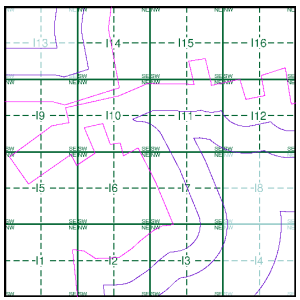
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice I



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Search Buffer (m):	1000

Site Details

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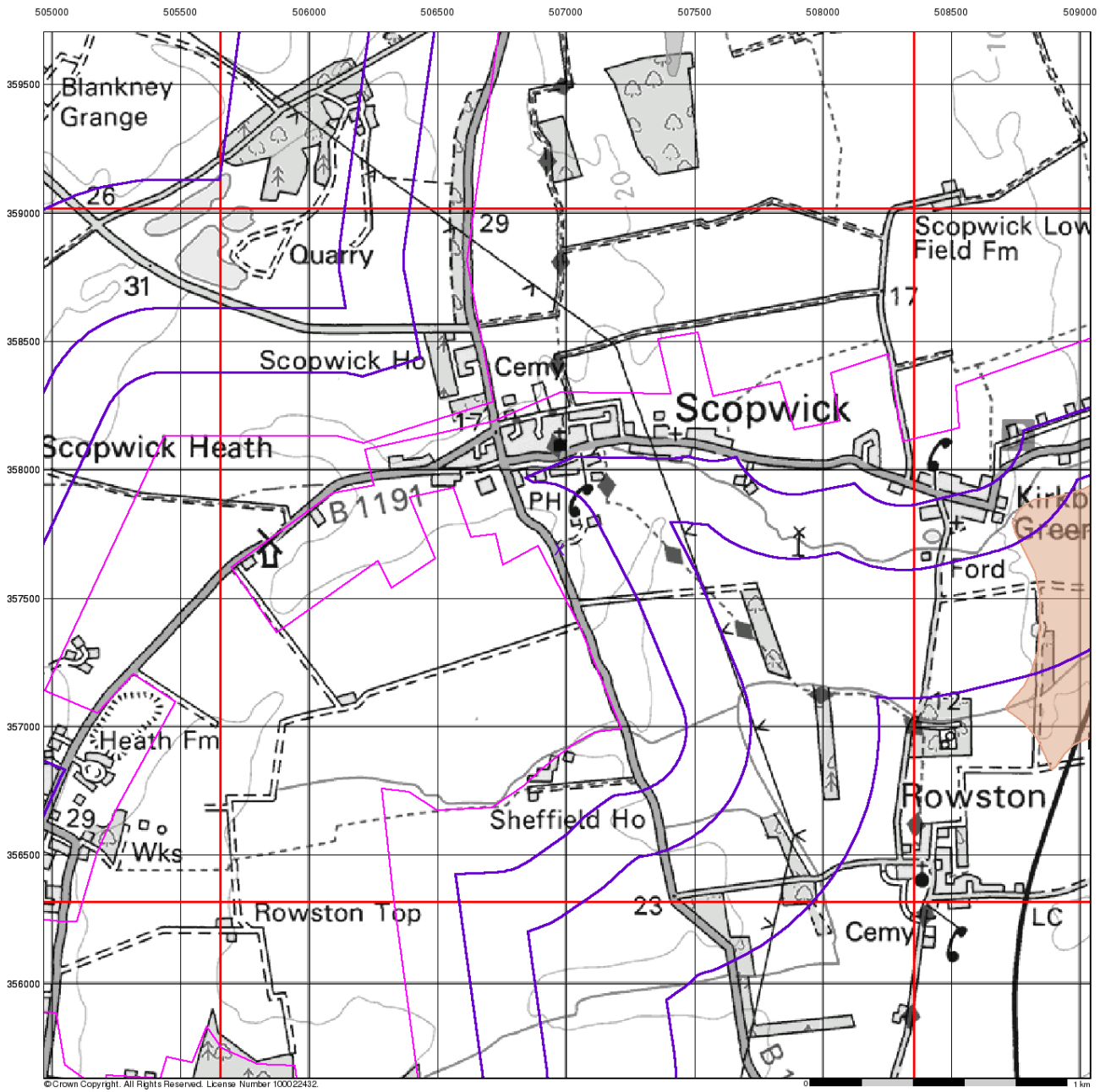


Superficial Aquifer Designation

General

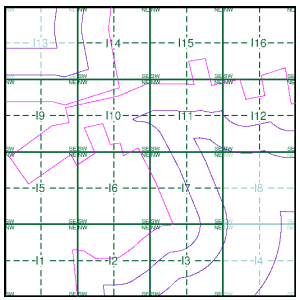
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice I



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All Areas New

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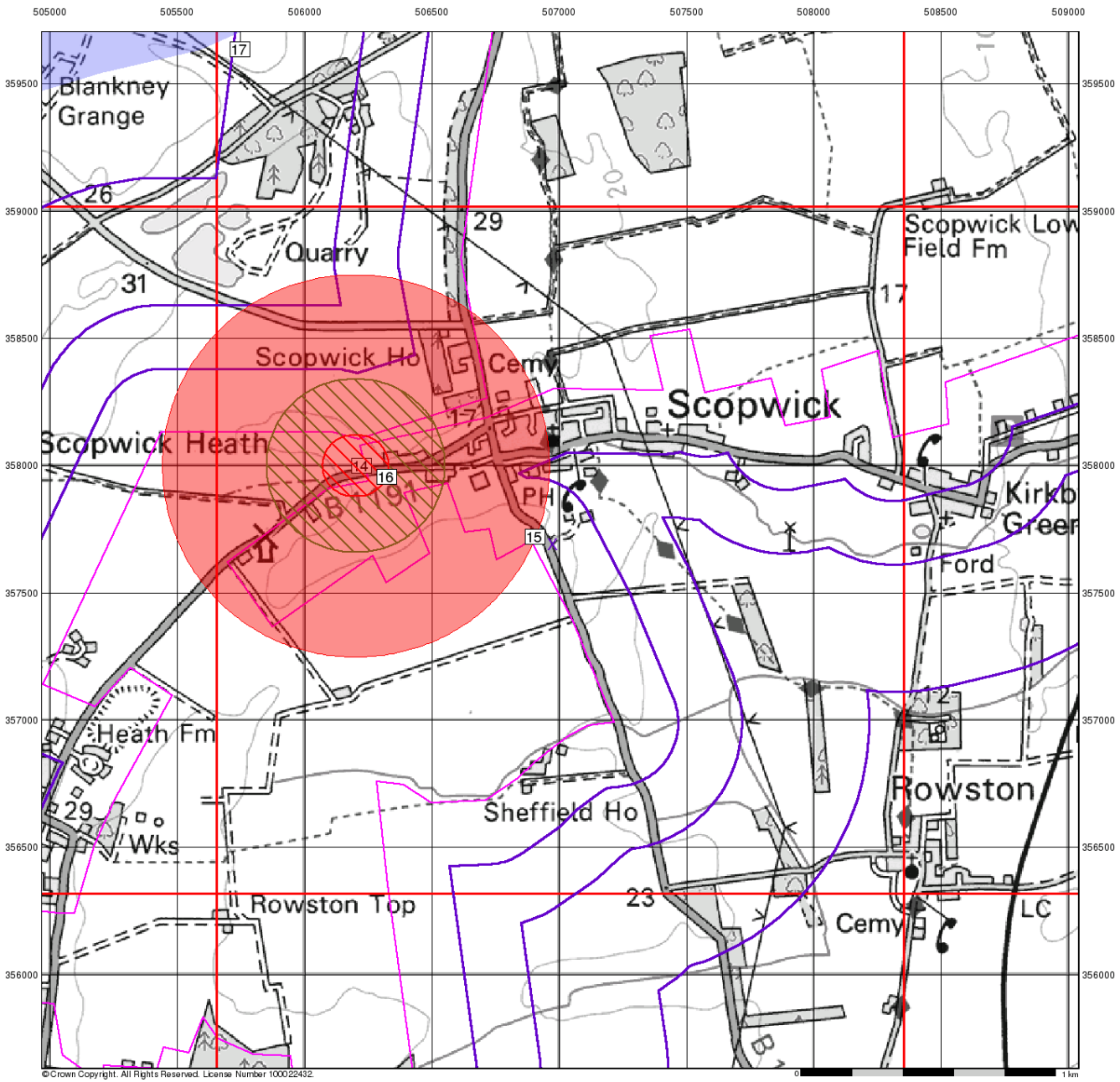


RSK

Source Protection Zones

General

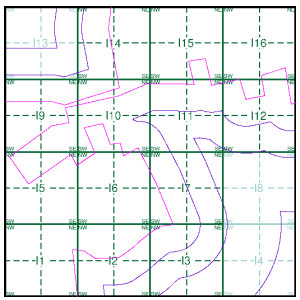
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice I



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All Areas New

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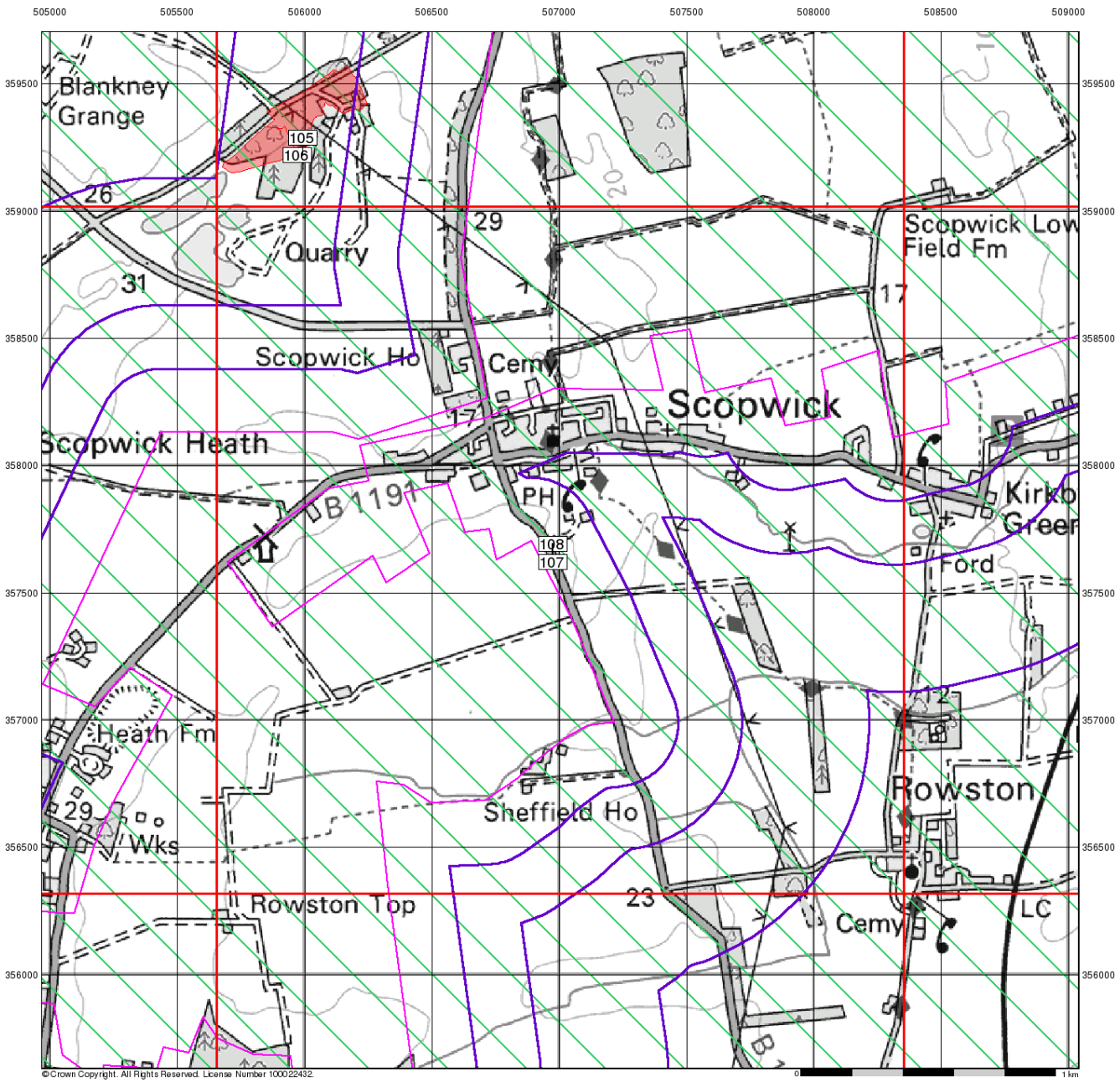


RSK

Sensitive Land Uses

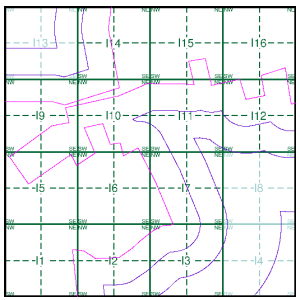
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice I



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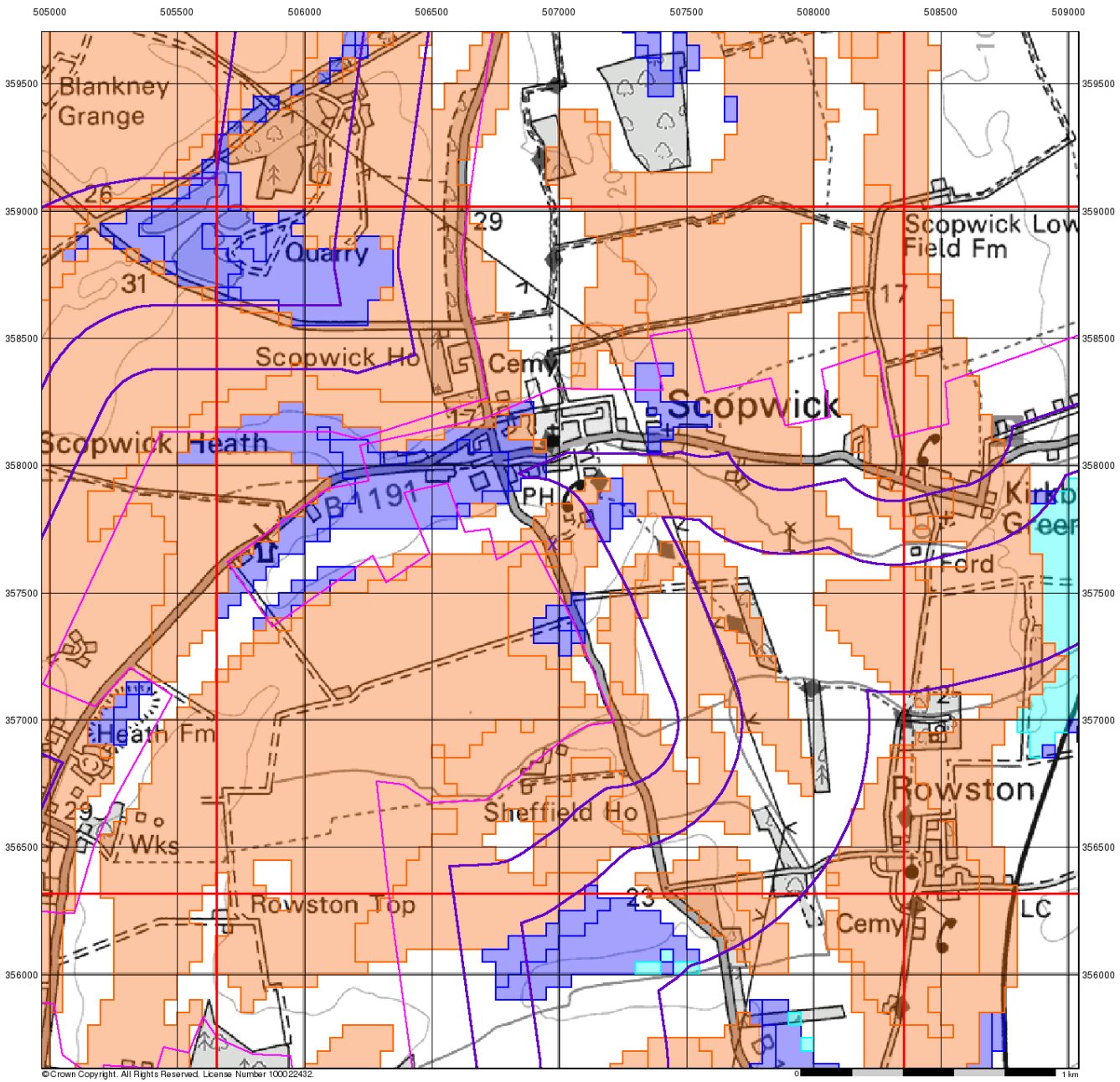


RSK

BGS Flood GFS Data

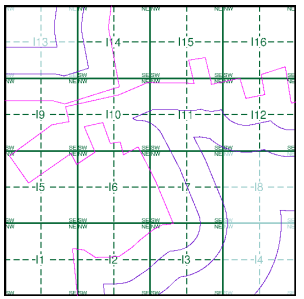
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice I



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National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

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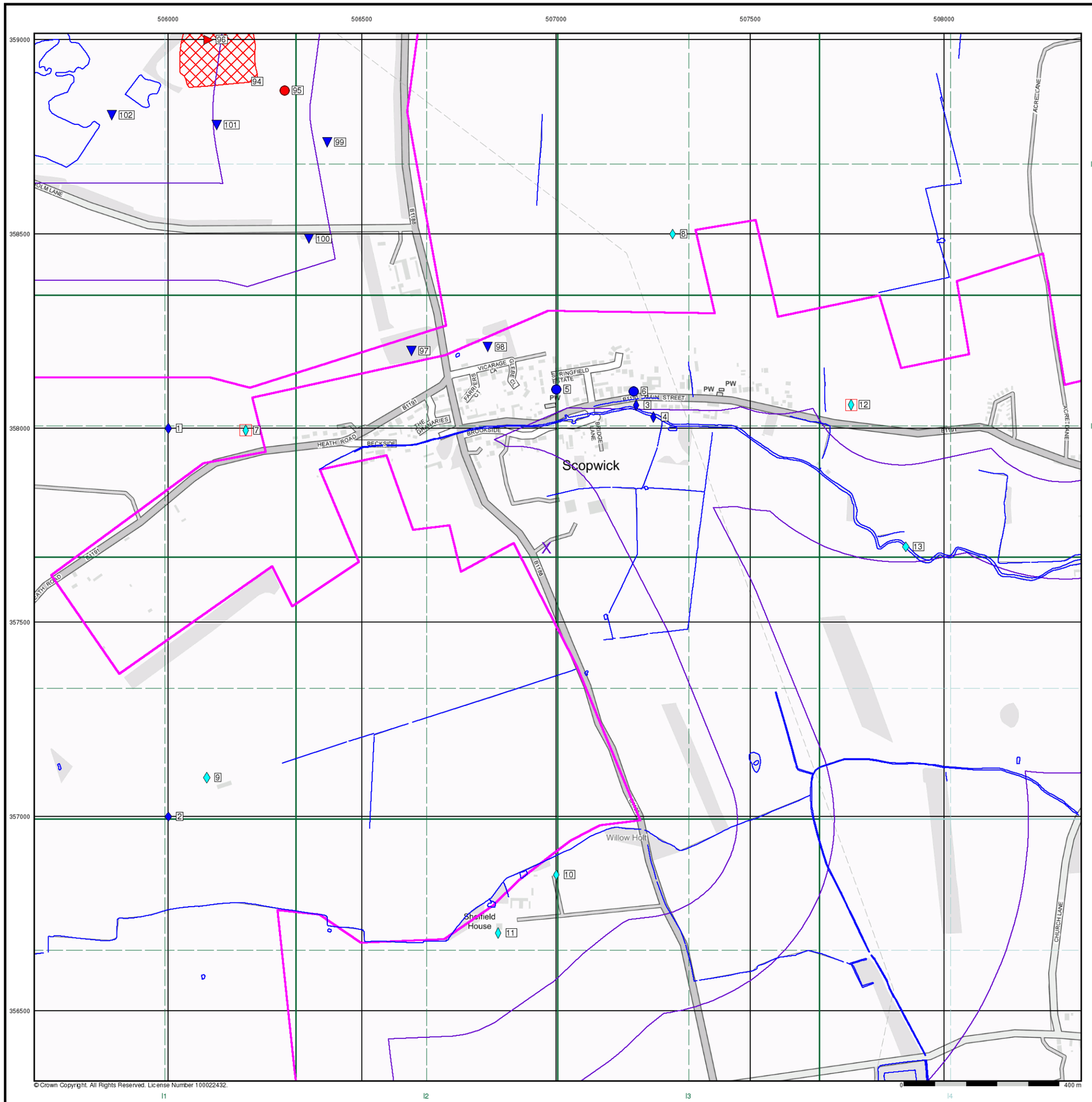


RSK

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Geological

- BGS Recorded Mineral Site

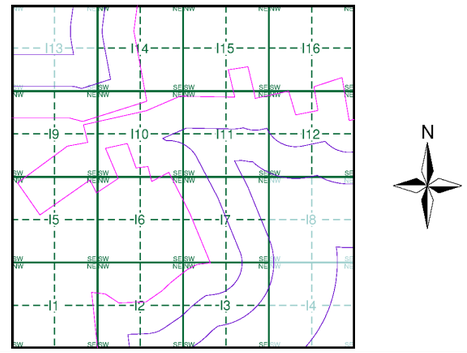
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Site Sensitivity Map - Slice I



Order Details

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Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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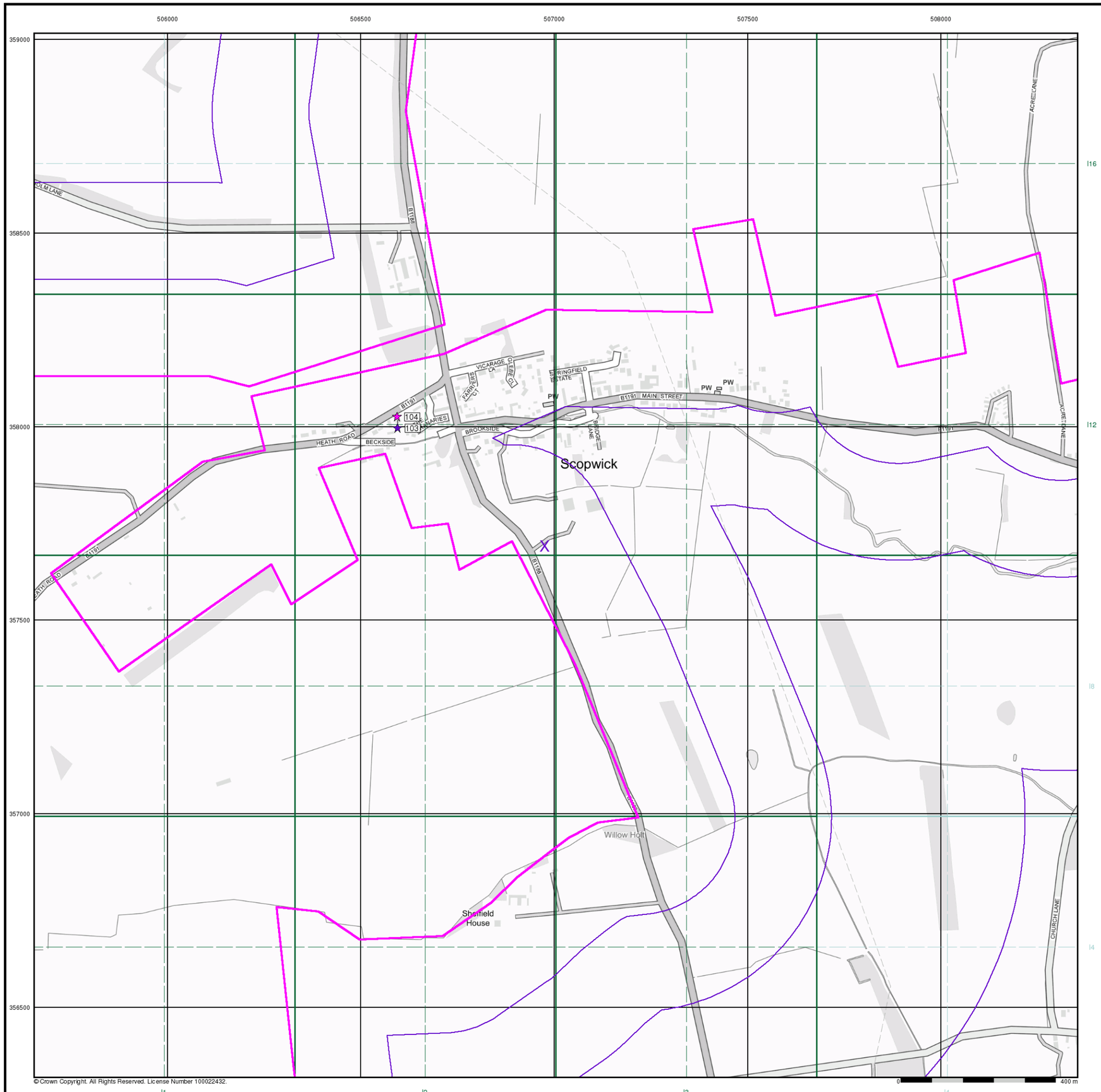


RSK

Industrial Land Use Map

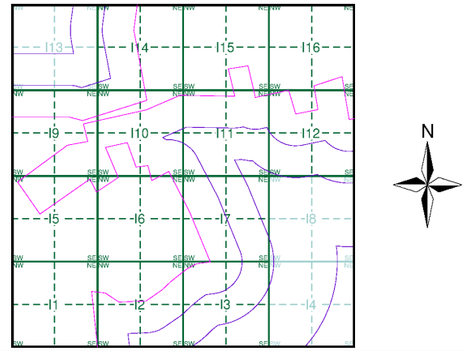
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice I



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National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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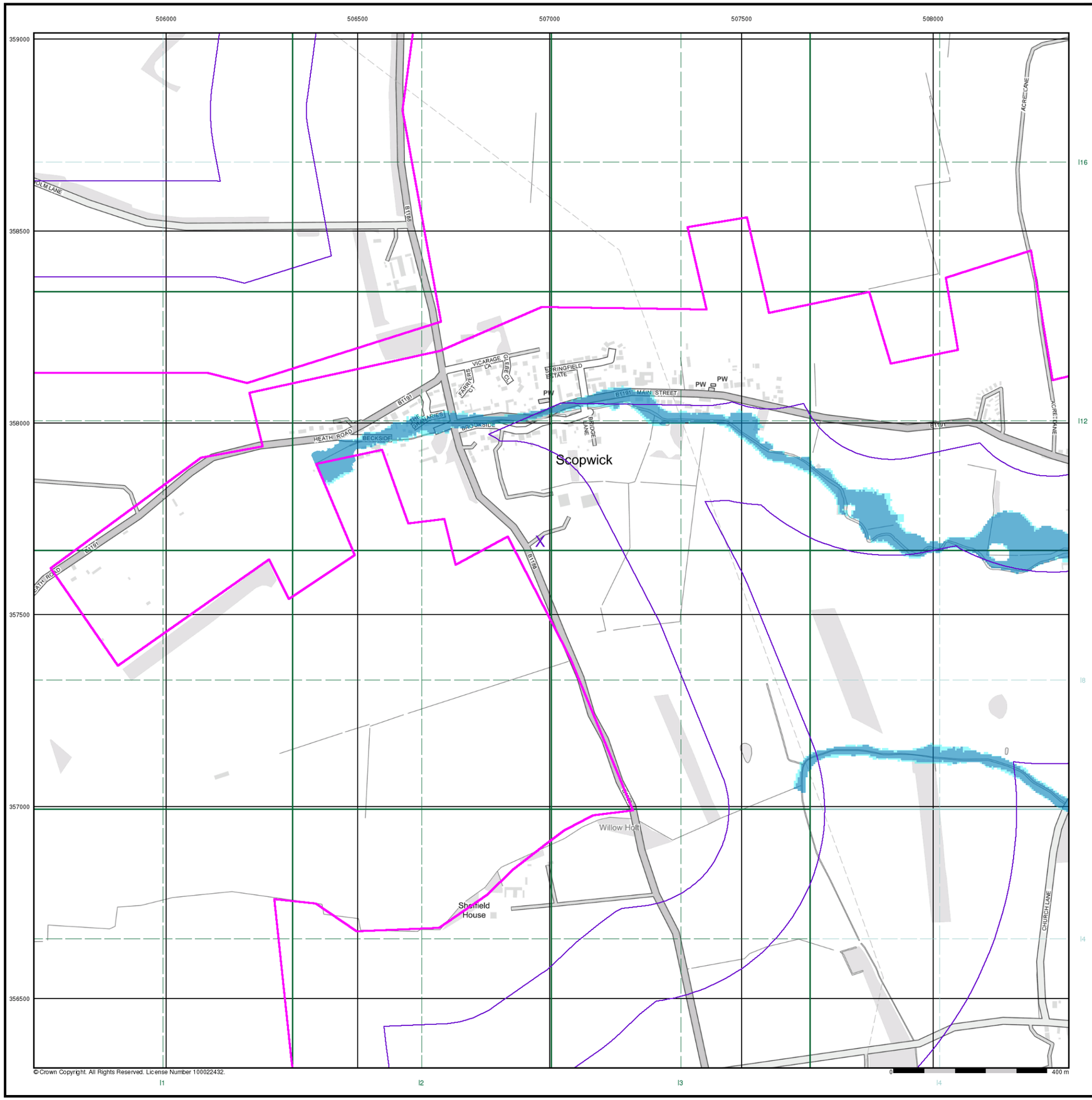

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RSK

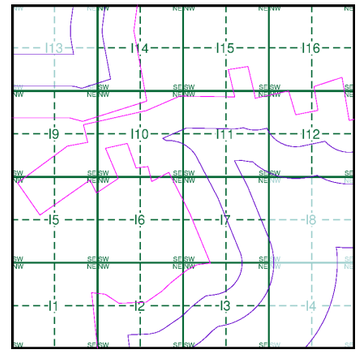
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice I



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Slice:	I
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Site Details

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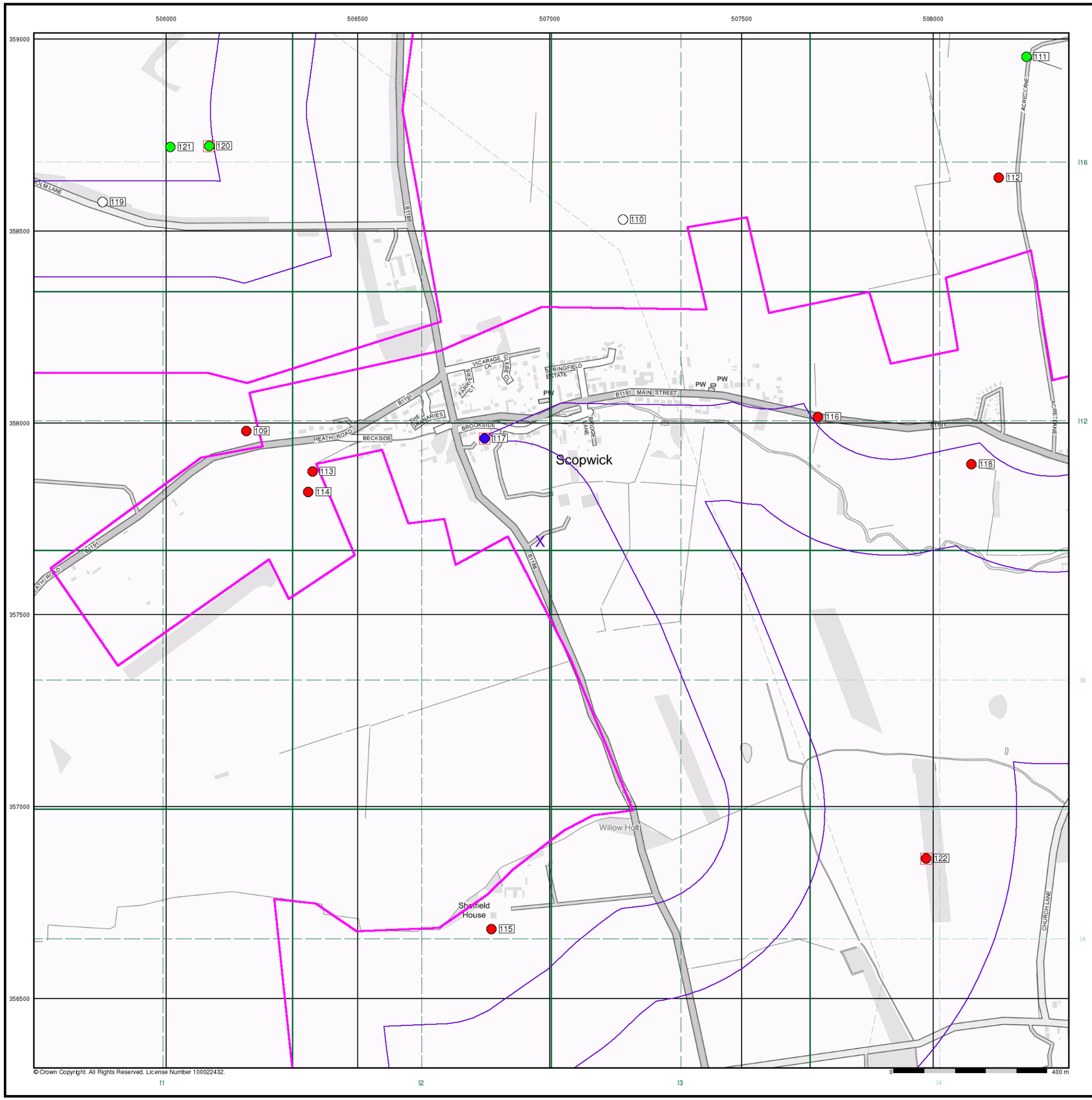

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0 400 m

RSK

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

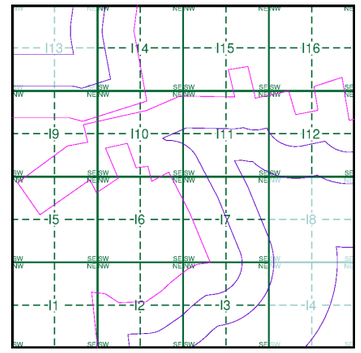
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice I



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Search Buffer (m):	1000

Site Details

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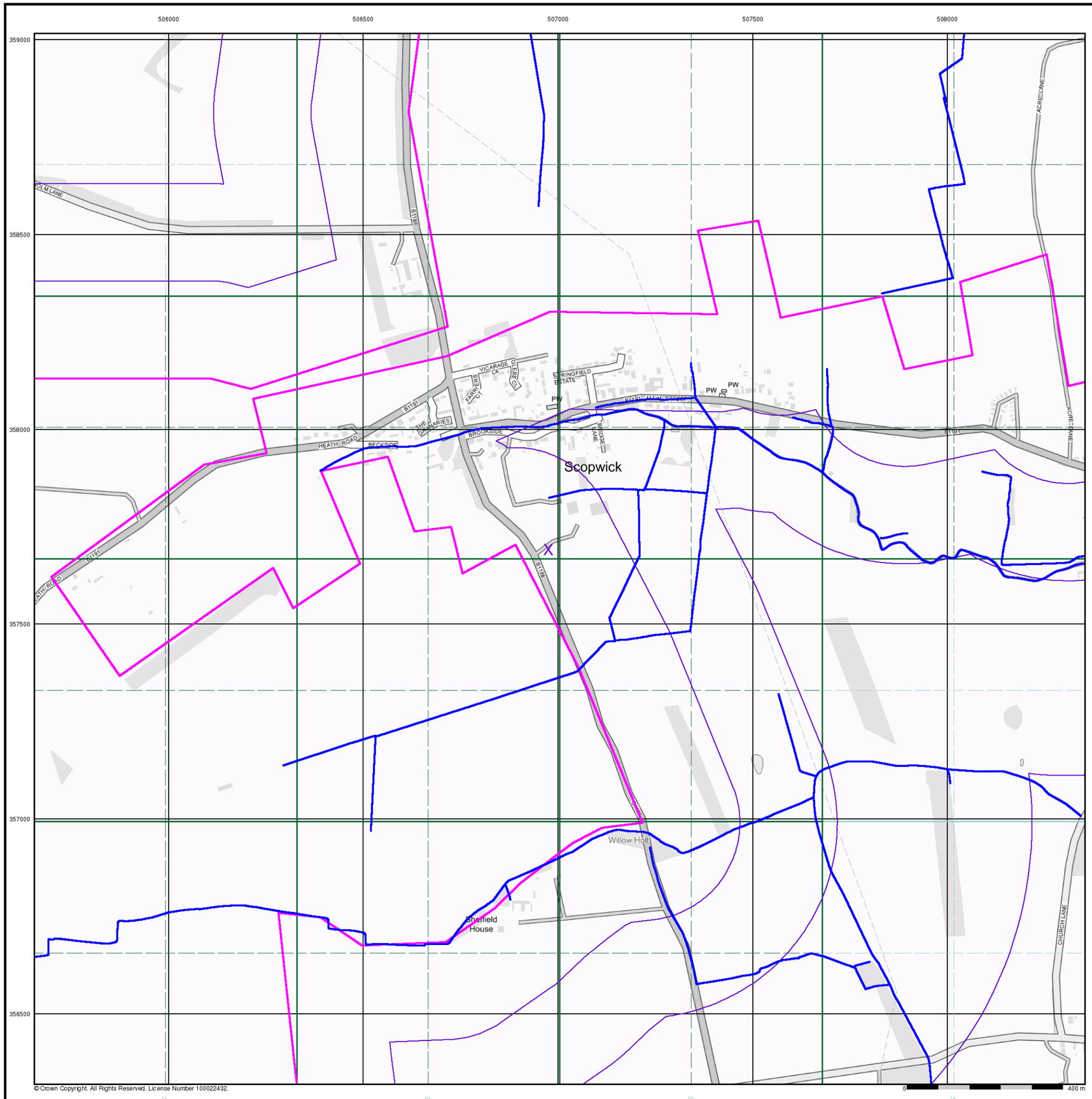


RSK

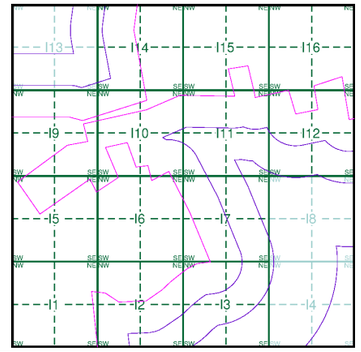
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice I



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Search Buffer (m):	1000

Site Details

All Areas New

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Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
506980, 357690

Slice:
I

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	3
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	5
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	6
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	8
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	10
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Report Version v53.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1	1	2	2	1
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 3	10	4	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 5	2		2	
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 5	2		1	
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 7	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: The Firs Location: Scopwick, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134894 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I10NW (NW)	0	1	506627 358203
2	**BGS Recorded Mineral Sites** Site Name: Scopwick Location: Scopwick, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134900 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I10NE (N)	21	1	506823 358213
3	**BGS Recorded Mineral Sites** Site Name: Longwood Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 227780 Type: Opencast **Status: Active** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I14NW (NW)	216	1	506410 358740
4	**BGS Recorded Mineral Sites** Site Name: The Firs Stone Pit Location: Scopwick, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134890 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I14SW (NW)	307	1	506363 358492
5	**BGS Recorded Mineral Sites** Site Name: Longwood Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 2766 Type: Opencast **Status: Dormant** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I13NE (NW)	492	1	506125 358785
6	**BGS Recorded Mineral Sites** Site Name: Longwood Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 227779 Type: Opencast **Status: Dormant** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	I13NW (NW)	680	1	505855 358810

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Extractive Industries or Potential Excavations from 1950-1980** Use: Sheep Dip First Map Published Date: 1979 Last Map Published Date: N/A	I2NE (S)	0	-	506905 356843
8	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	I16NW (NE)	0	-	507843 358817
9	**Extractive Industries or Potential Excavations from 1950-1980** Use: Ponds First Map Published Date: 1979 Last Map Published Date: N/A	I16SW (NE)	0	-	507976 358477
10	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	I15SW (N)	0	-	507167 358415
11	**Extractive Industries or Potential Excavations from 1950-1980** Use: Cemy First Map Published Date: 1979 Last Map Published Date: N/A	I10NE (N)	0	-	506901 358184
12	**Extractive Industries or Potential Excavations from 1950-1980** Use: Quarry (Disused) First Map Published Date: 1979 Last Map Published Date: N/A	I10NE (NW)	0	-	506670 358176
13	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	I2NE (S)	0	-	506923 356862
14	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	I2NE (S)	0	-	506831 356786
15	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	I1SE (SW)	0	-	506095 356591
16	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	I5SW (SW)	0	-	505720 357136
17	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	I7NW (S)	11	-	507077 357376

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	I2NW (SW)	15	-	506420 356709
19	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	I12NE (E)	41	-	508102 358159
20	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	I11NW (NE)	63	-	507227 358209

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	I10NE (NW)	0	-	506675 358165
22	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	I10NE (N)	0	-	506856 358170
23	**General Quarrying** Use: Not Supplied Date of Mapping: 1891 - 1956	I14SW (NW)	261	-	506404 358489
24	**General Quarrying** Use: Not Supplied Date of Mapping: 1985	I13NE (NW)	391	-	506232 358889
25	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	I10NE (NW)	0	-	506675 358165
26	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	I10NE (N)	0	-	506856 358170
27	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	I14SW (NW)	261	-	506404 358489

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
28	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 357692
29	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	507413 359531
30	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	507413 359531
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 357692
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
31	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 357692
32	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
33	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	505000 356579
34	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	505100 356574
35	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I8NW (E)	0	1	508016 357477
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I1SW (SW)	0	1	505932 356461
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(E)	0	1	508633 358326
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	507413 359531
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I7NW (SE)	0	1	507112 357598
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I10SE (NW)	0	1	506908 357766
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	49	1	505000 355685
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I2SE (S)	82	1	506808 356631
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I7NE (SE)	139	1	507371 357493

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505470 357080
37	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 357692
38	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
39	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	507413 359531
40	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(E)	0	1	508739 357795
41	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I7NE (SE)	139	1	507371 357493
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 357692
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
42	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	I1SW (SW)	0	1	505932 356461
43	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	I7NW (SE)	0	1	507112 357598
44	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(E)	0	1	508633 358326
45	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	507413 359531
46	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	I2SE (S)	82	1	506808 356631
47	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	I7NE (SE)	139	1	507371 357493
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I10SE (S)	0	1	506976 357692
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 357692
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	I8NW (E)	0	1	508016 357477

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0556	1979
Ordnance Survey Plan	TF0556	1979
Ordnance Survey Plan	TF0557	1979
Ordnance Survey Plan	TF0557	1979
Ordnance Survey Plan	TF0558	1979
Ordnance Survey Plan	TF0656	1979
Ordnance Survey Plan	TF0656	1979
Ordnance Survey Plan	TF0656	1979
Ordnance Survey Plan	TF0656	1979
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Ordnance Survey Plan	TF0759	1979
Ordnance Survey Plan	TF0857	1979
Ordnance Survey Plan	TF0858	1979
Ordnance Survey Plan	TF0858	1979

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0859	1979

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	087_NE	1891
Lincolnshire	087_NW	1891
Lincolnshire	087_SE	1891
Lincolnshire	087_SW	1891
Lincolnshire	087_NE	1906
Lincolnshire	087_NW	1906
Lincolnshire	087_SE	1906
Lincolnshire	087_SW	1906
Lincolnshire	087_NE	1947
Lincolnshire	087_NW	1947
Lincolnshire	087_SE	1947
Lincolnshire	087_SW	1951
Ordnance Survey Plan	TF05NE	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF05NE	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

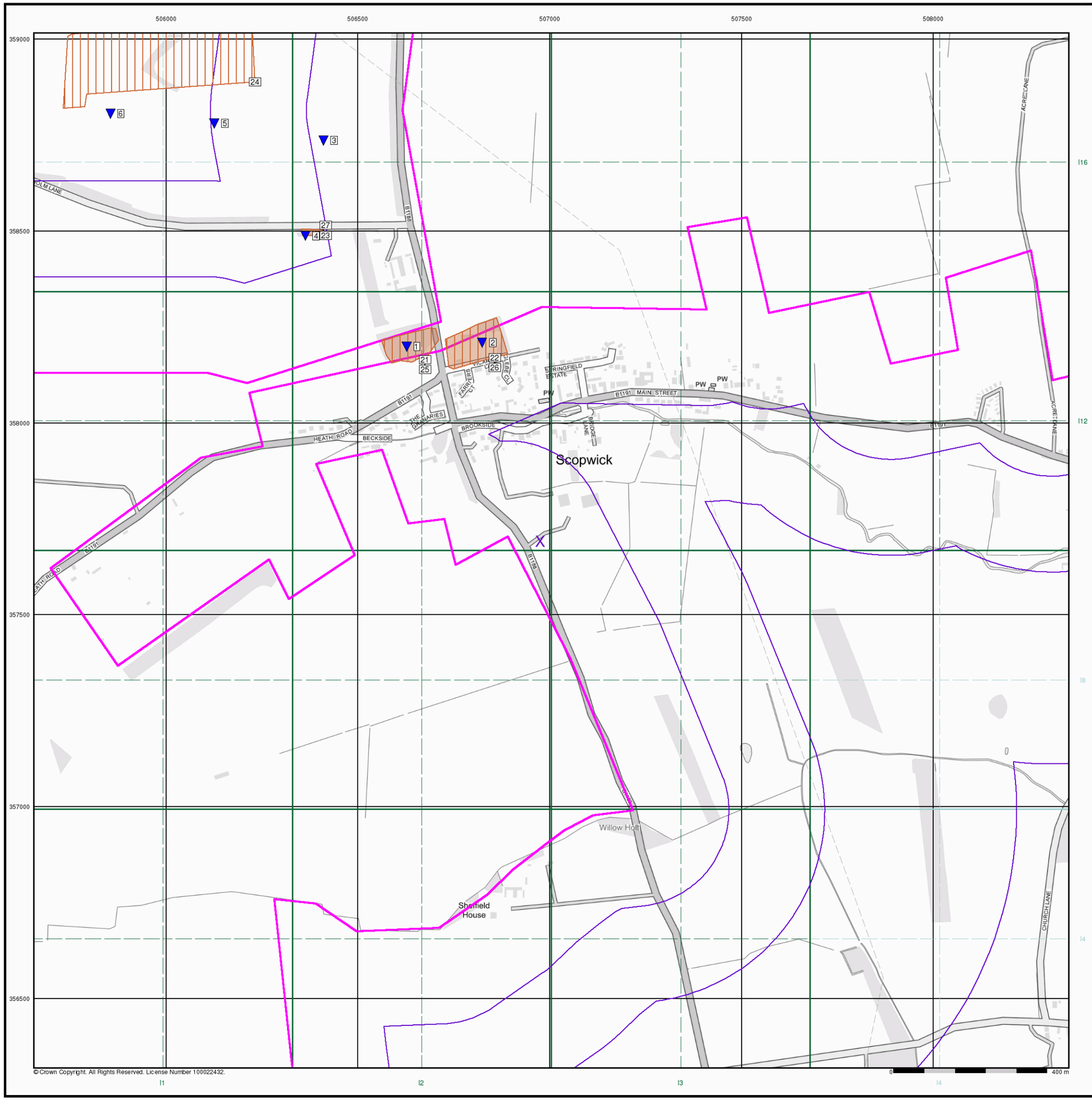
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

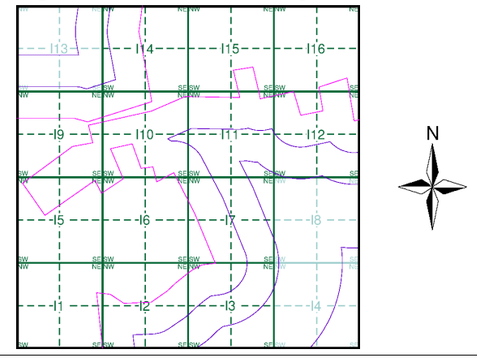
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice I



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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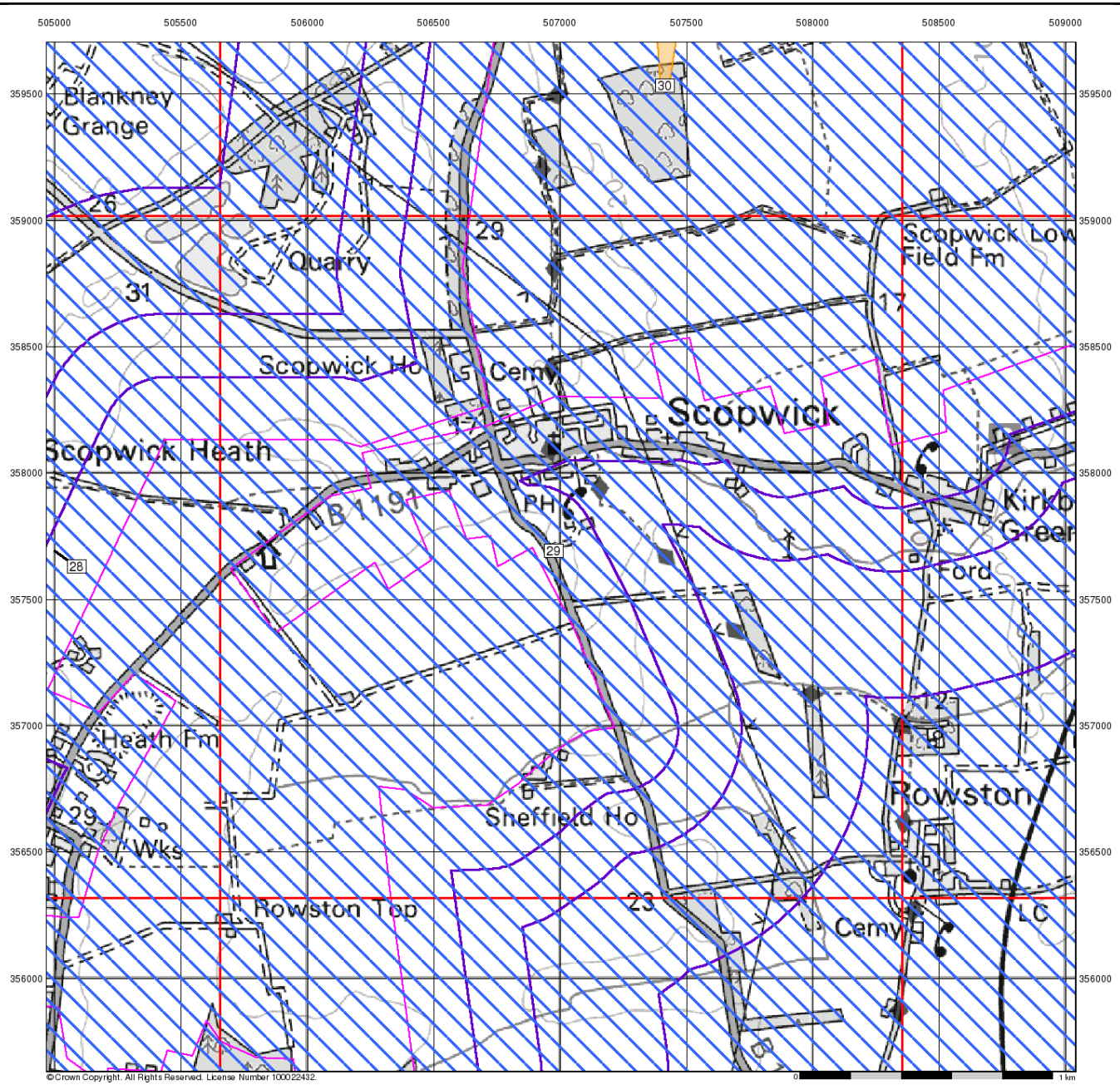
Web: www.envirocheck.co.uk



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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

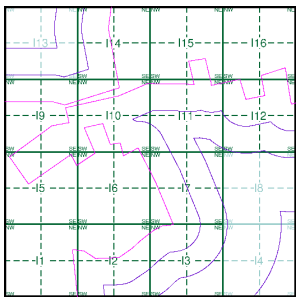
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice I



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Site Area (Ha):	1774.17
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Site Details

All Areas New

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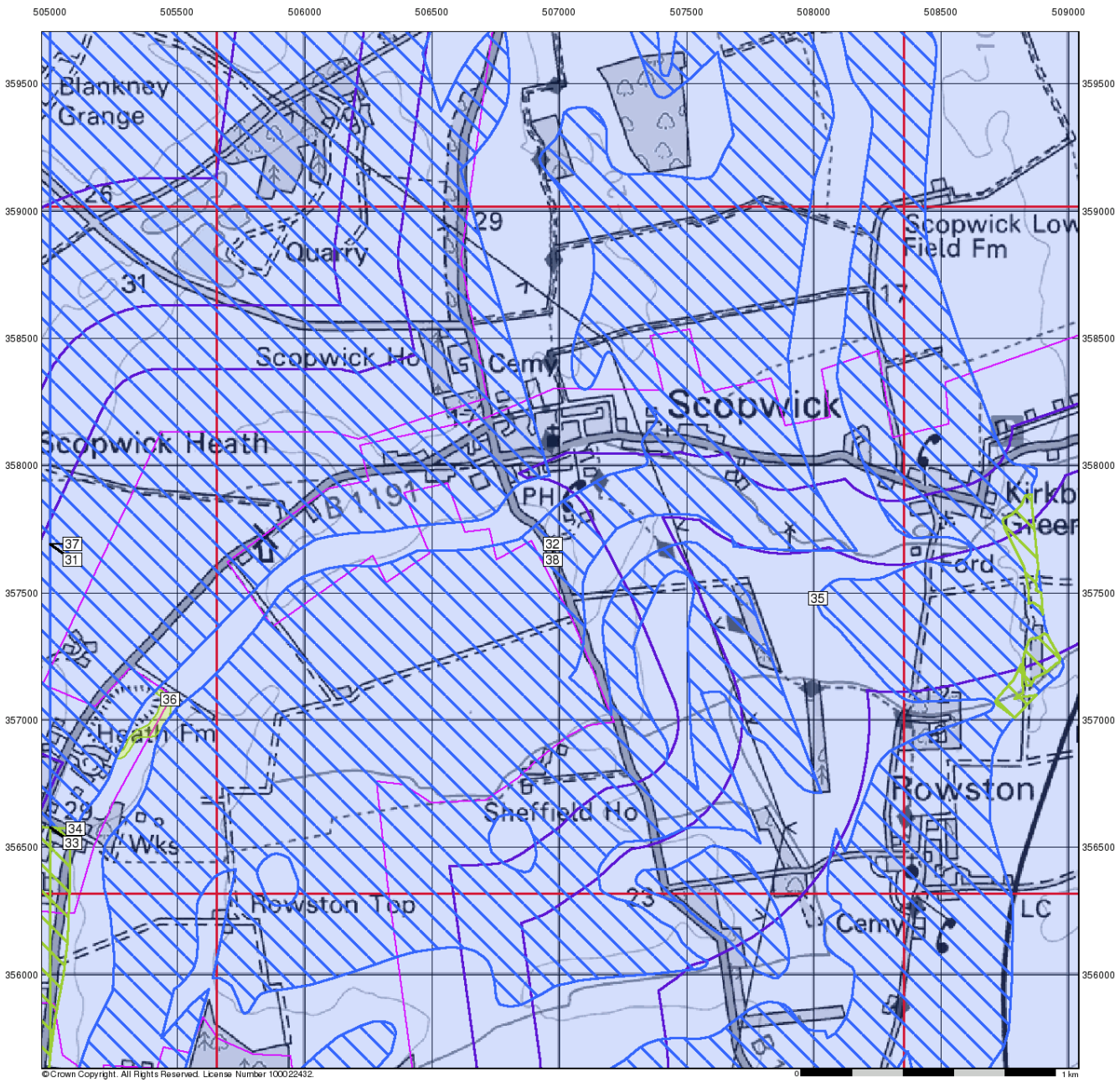

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

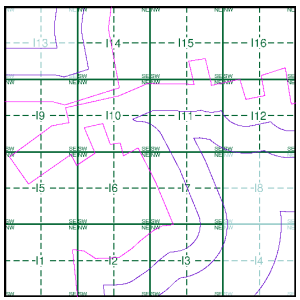
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice I



Order Details

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Customer Ref:	P02130089
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Slice:	I
Site Area (Ha):	1774.17
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Site Details

All Areas New

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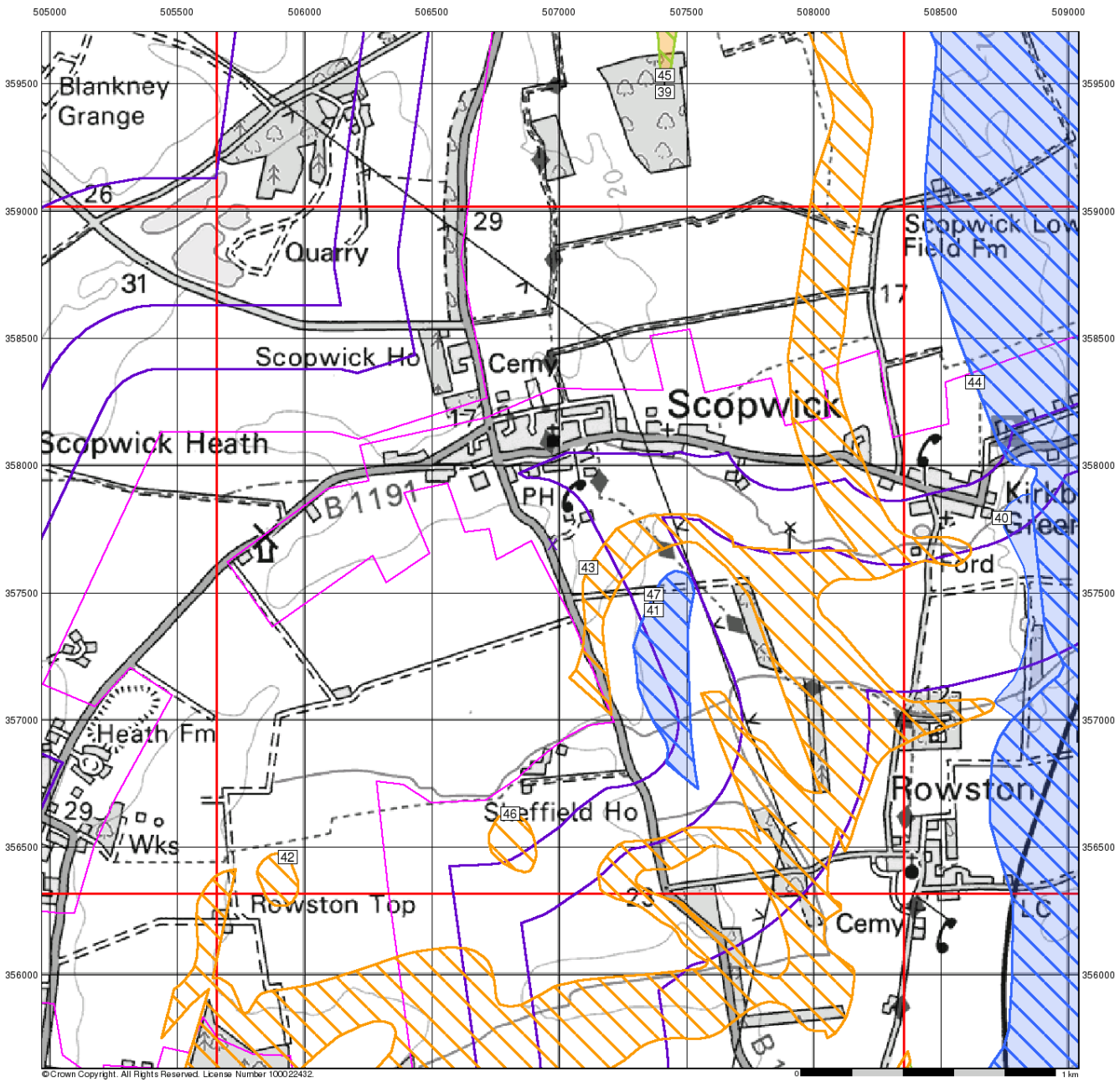
Web: www.envirocheck.co.uk



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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

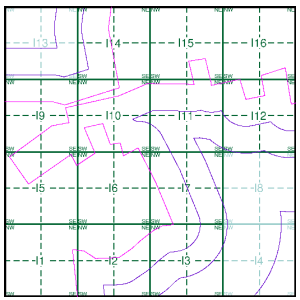
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice I



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy.
County Borough Boundary (England)
Co. Burgh Bdy.
County Burgh Boundary (Scotland)
R.D. Bdy.
Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Sloping Masonry
Pylon
Electricity Transmission Line
Pole
Cutting
Embankment
Standard Gauge Multiple Track
Standard Gauge Single Track
Road Under
Road Over
Level Crossing
Foot Bridge
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

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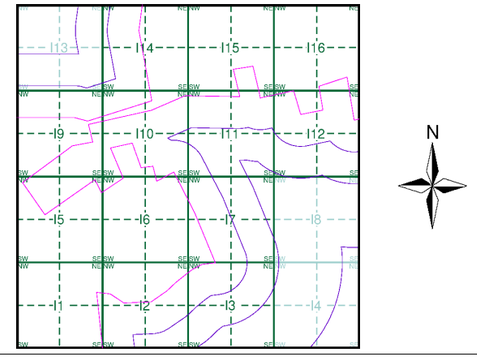
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1947 - 1951	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1985	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice I



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506980, 357690
Slice: I
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

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Lincolnshire

Published 1887

Source map scale - 1:10,560

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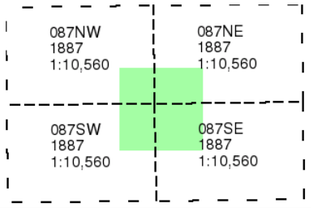
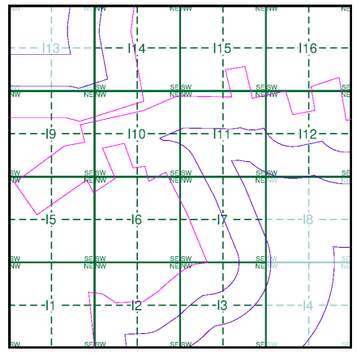
Map Name(s) and Date(s)



Historical Map - Slice I



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Order Number:	303381609_1_1
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Site Area (Ha):	1774.17
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Lincolnshire

Published 1906

Source map scale - 1:10,560

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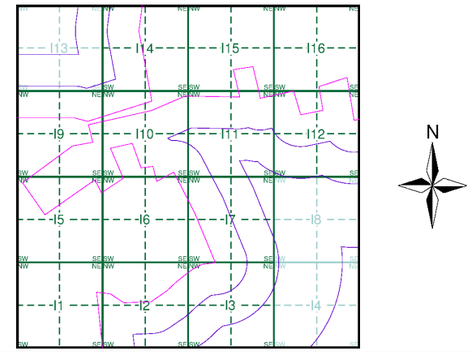
Map Name(s) and Date(s)

087NW 1906 1:10,560	087NE 1906 1:10,560
087SW 1906 1:10,560	087SE 1906 1:10,560

Historical Map - Slice I



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Order Number:	303381609_1_1
Customer Ref:	P02130089
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Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

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Lincolnshire

Published 1947 - 1951

Source map scale - 1:10,560

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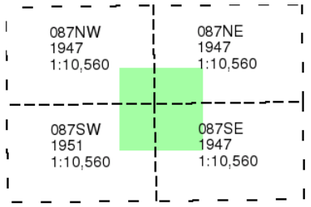
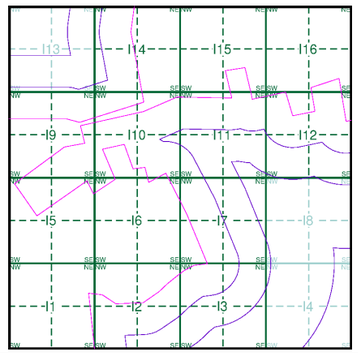
Map Name(s) and Date(s)



Historical Map - Slice I



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

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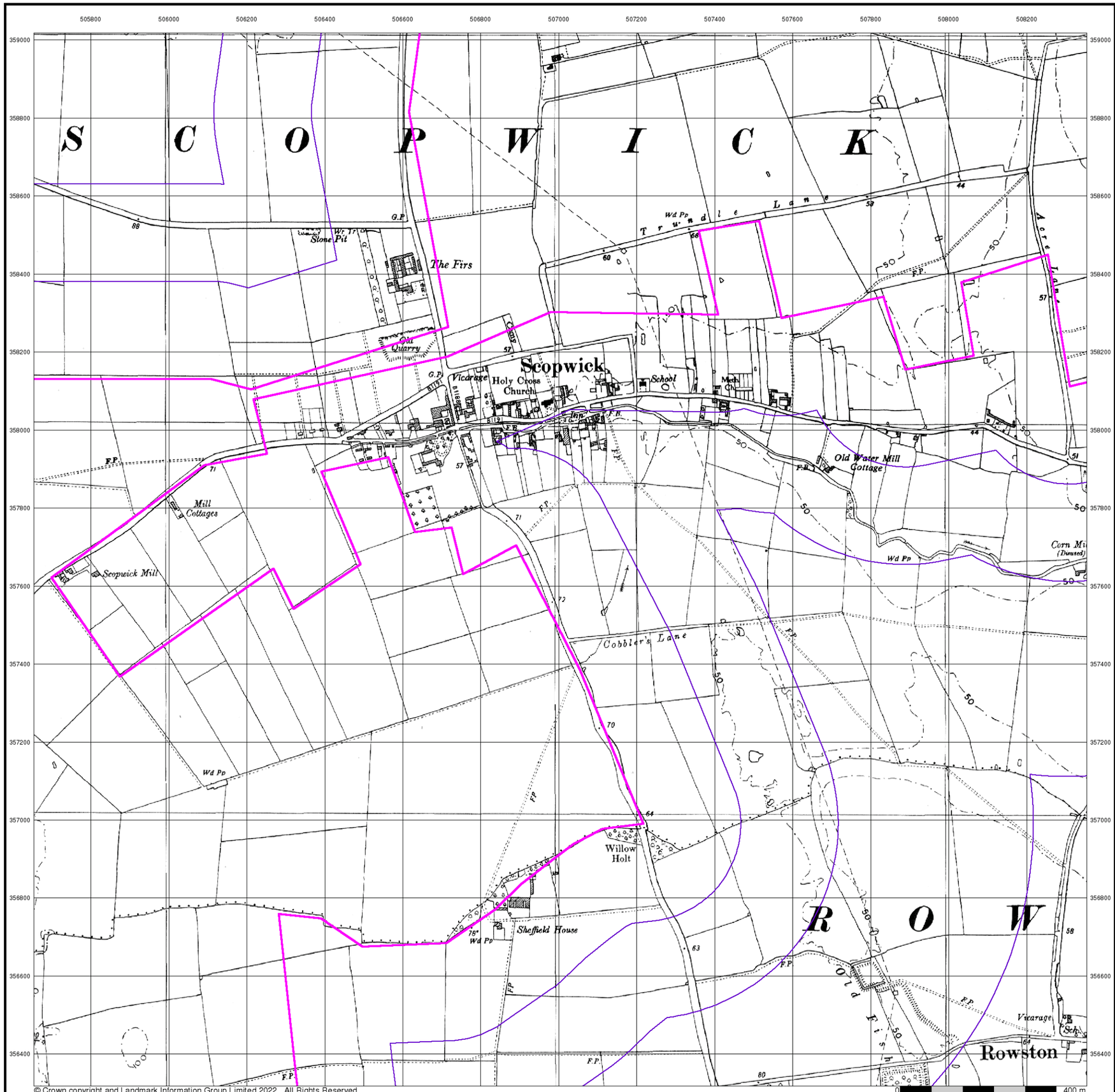

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Ordnance Survey Plan

Published 1956

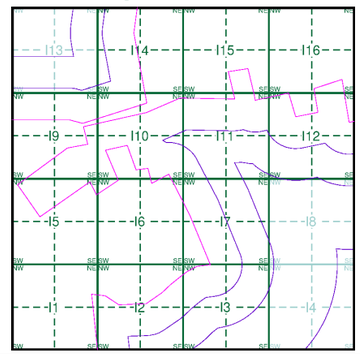
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TF05NE
1956
1:10,560

Historical Map - Slice I



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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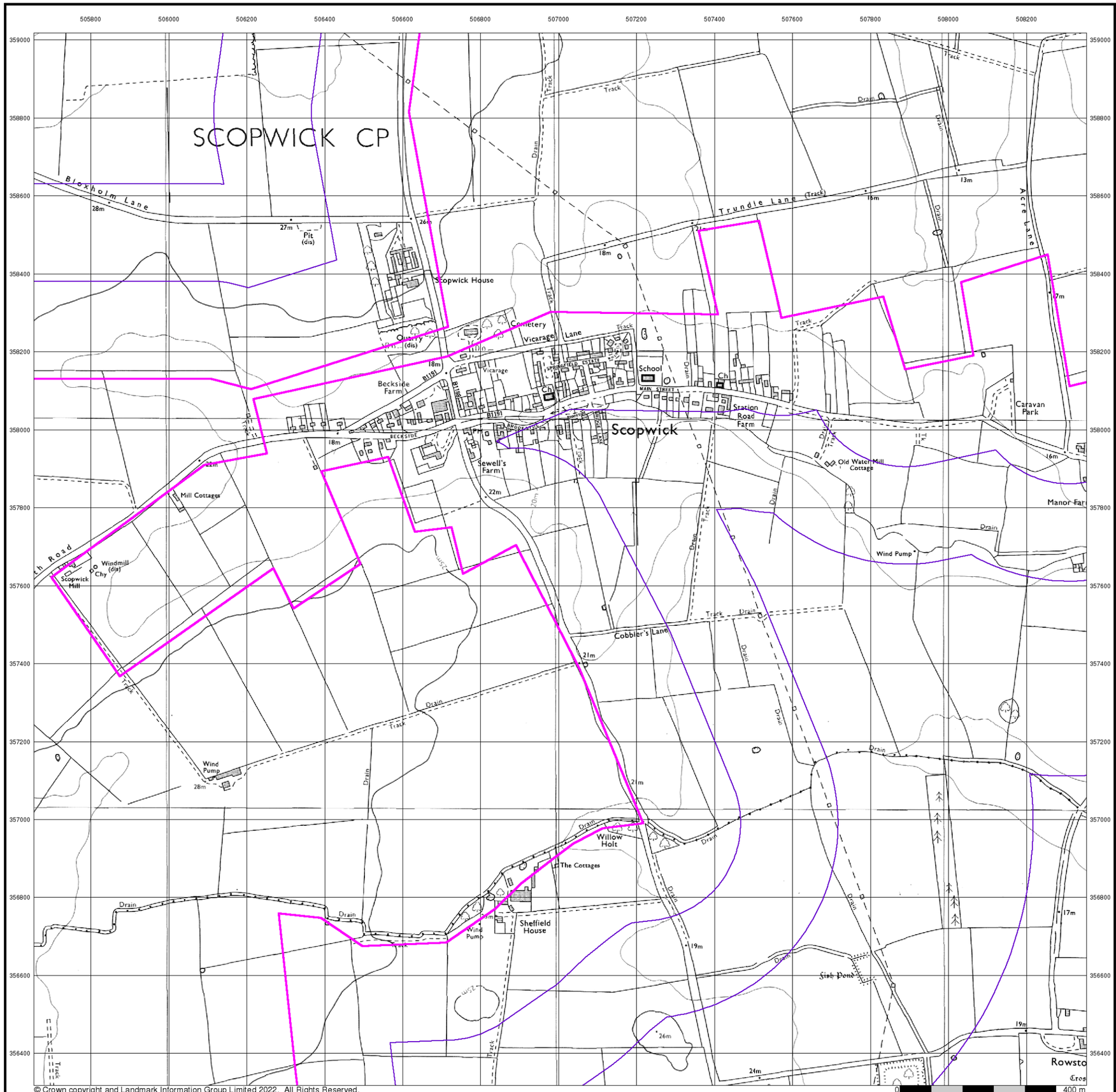

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Ordnance Survey Plan

Published 1985

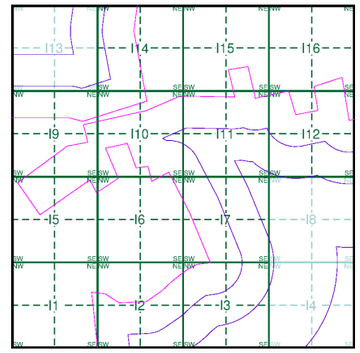
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TF05NE
1985
1:10,000

Historical Map - Slice I



Order Details

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Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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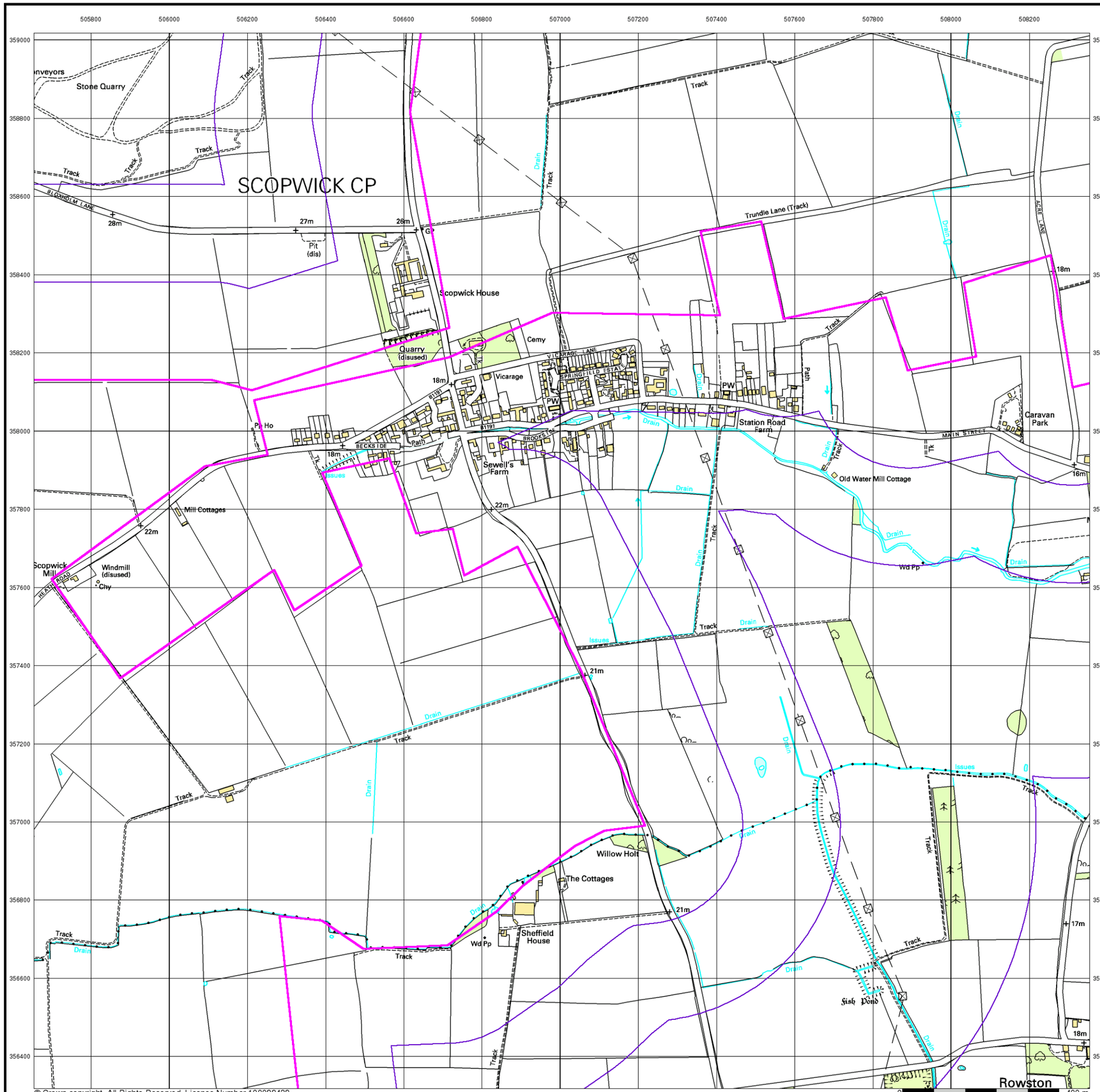

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10k Raster Mapping

Published 2000

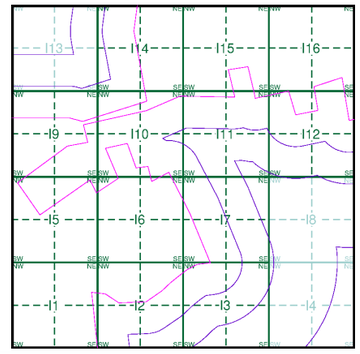
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TF05NE
2000
1:10,000

Historical Map - Slice I



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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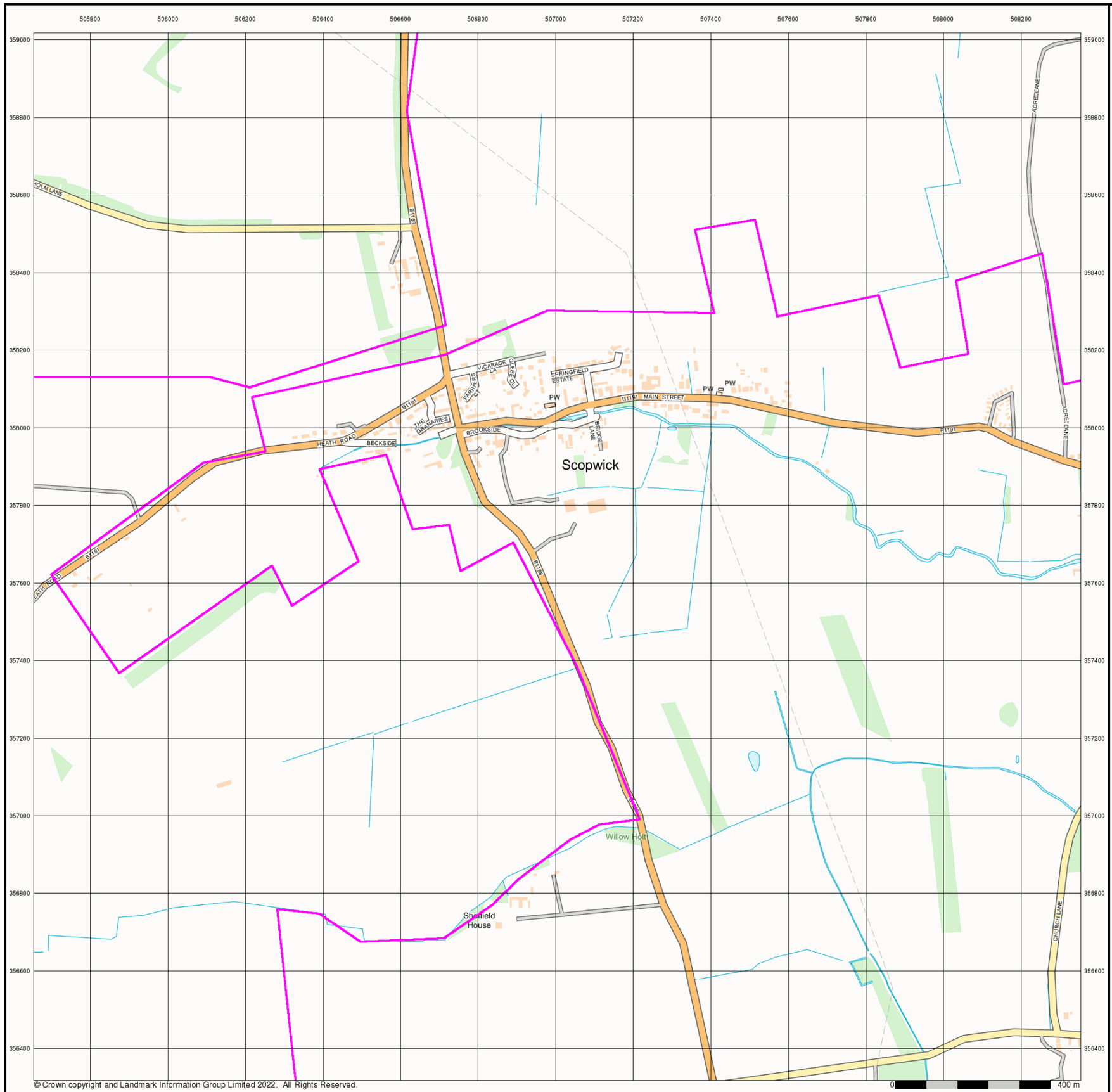

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Street View

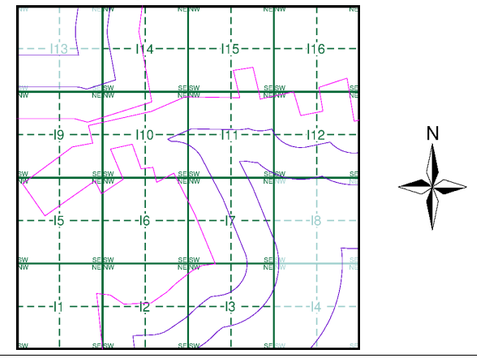
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice I



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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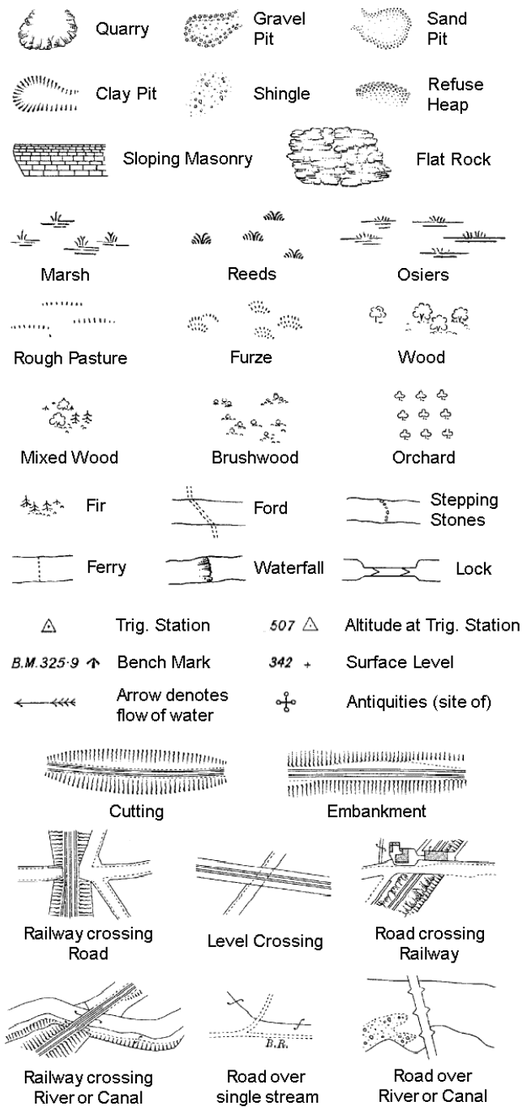
Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

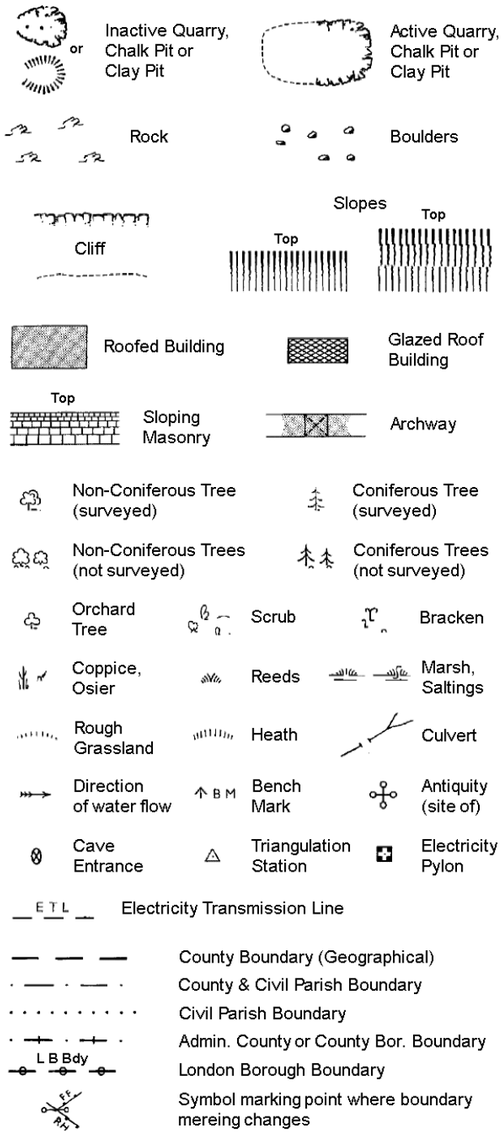
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

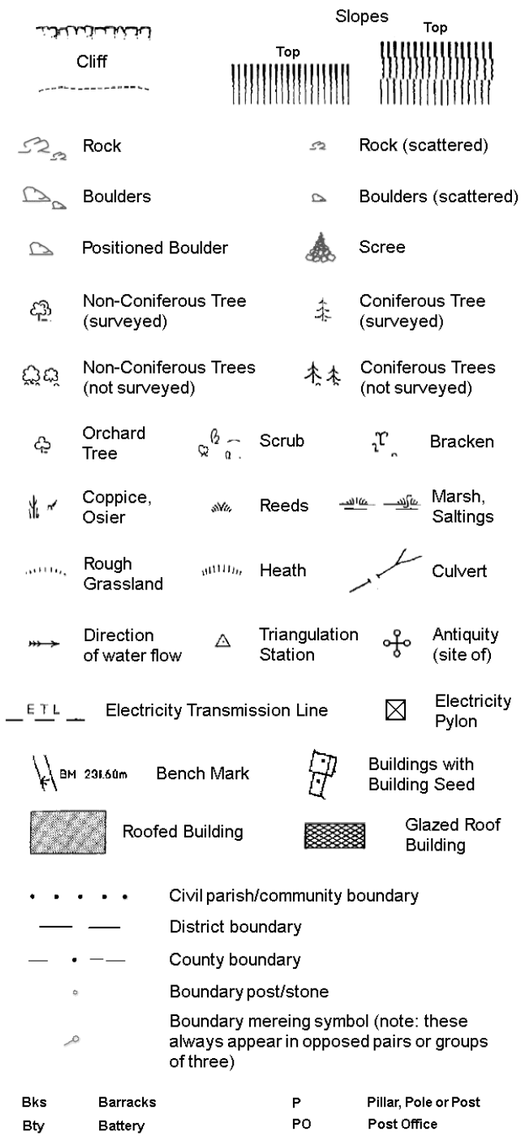
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

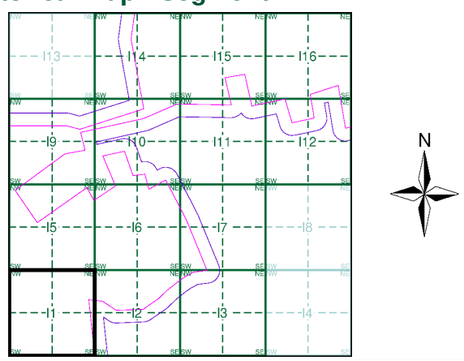
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I1



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506980, 357690
Slice: I
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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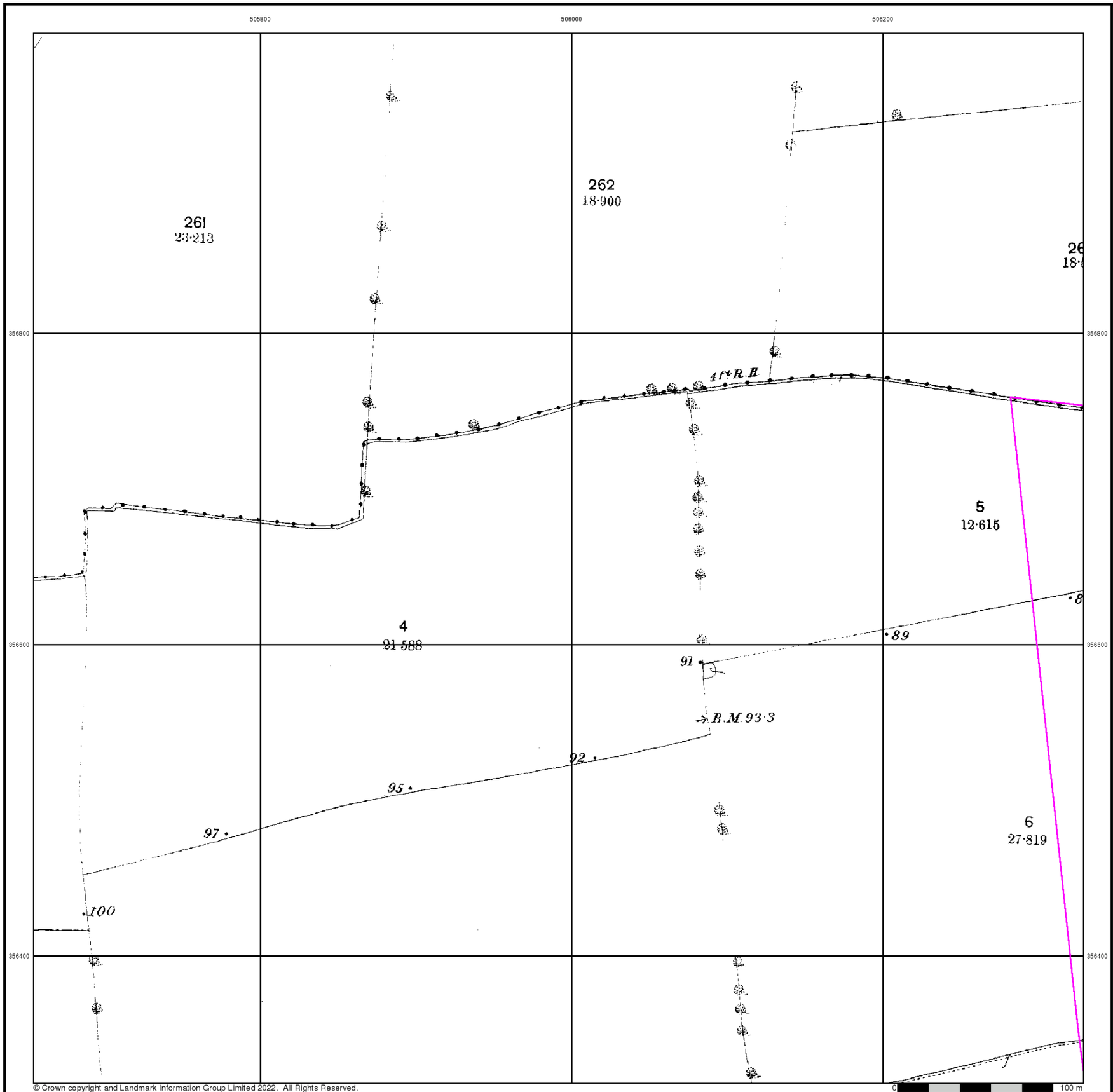

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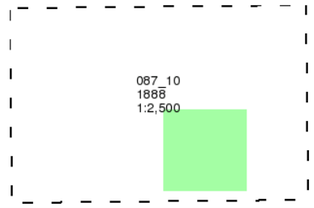
Lincolnshire

Published 1888

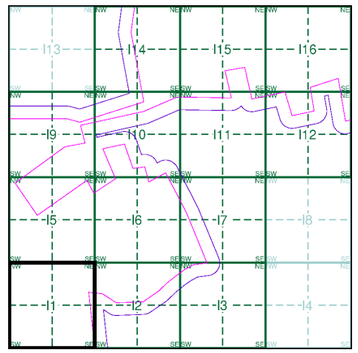
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment I1



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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0 100 m

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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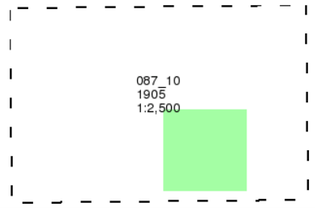
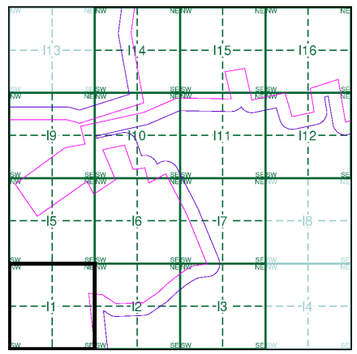


Historical Map - Segment I1



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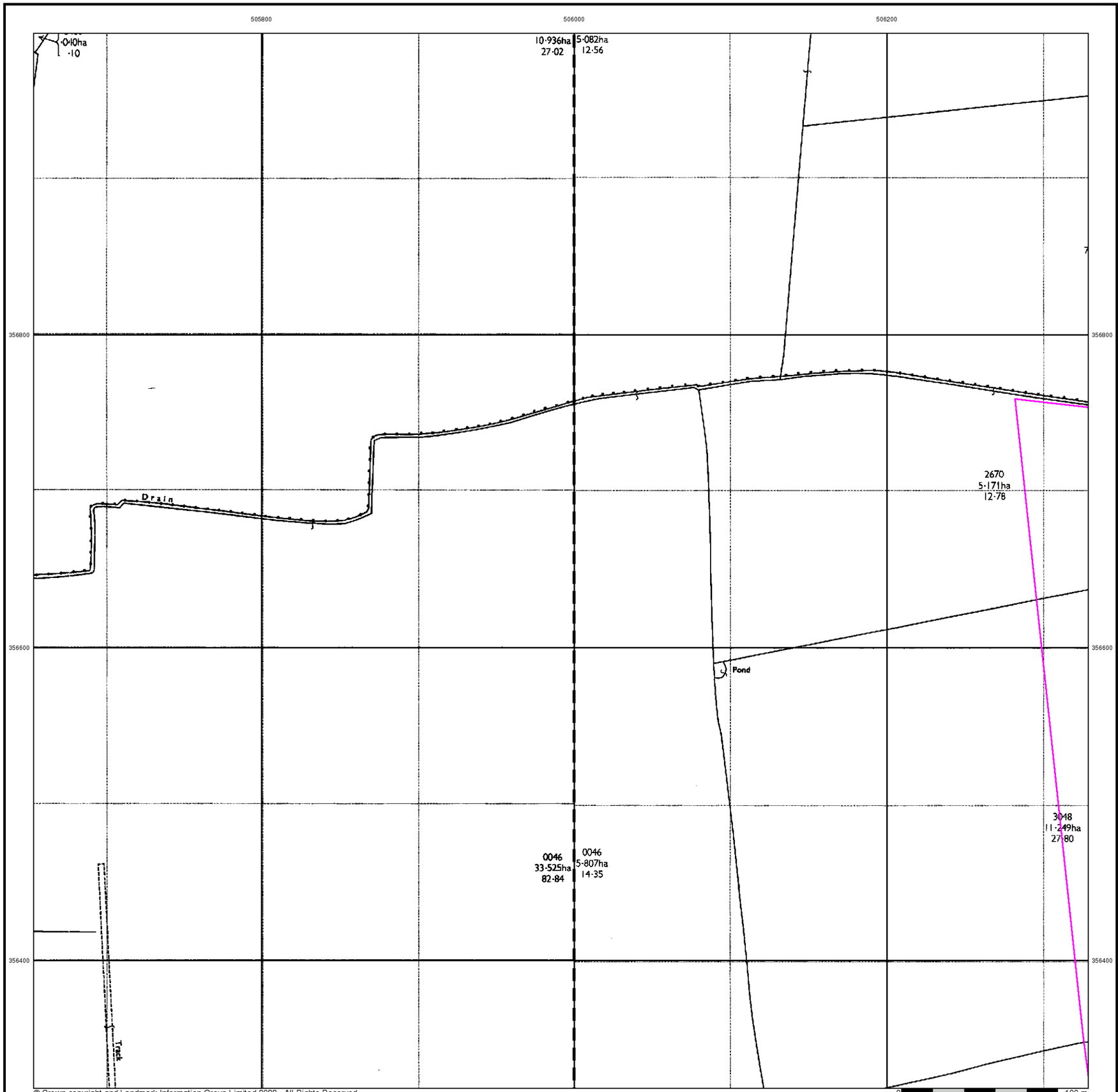

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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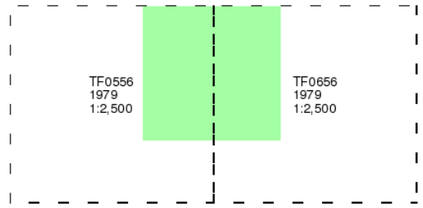
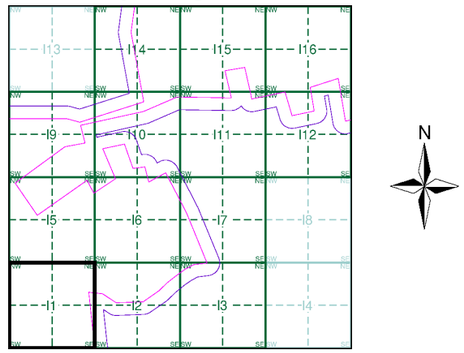


Historical Map - Segment I1



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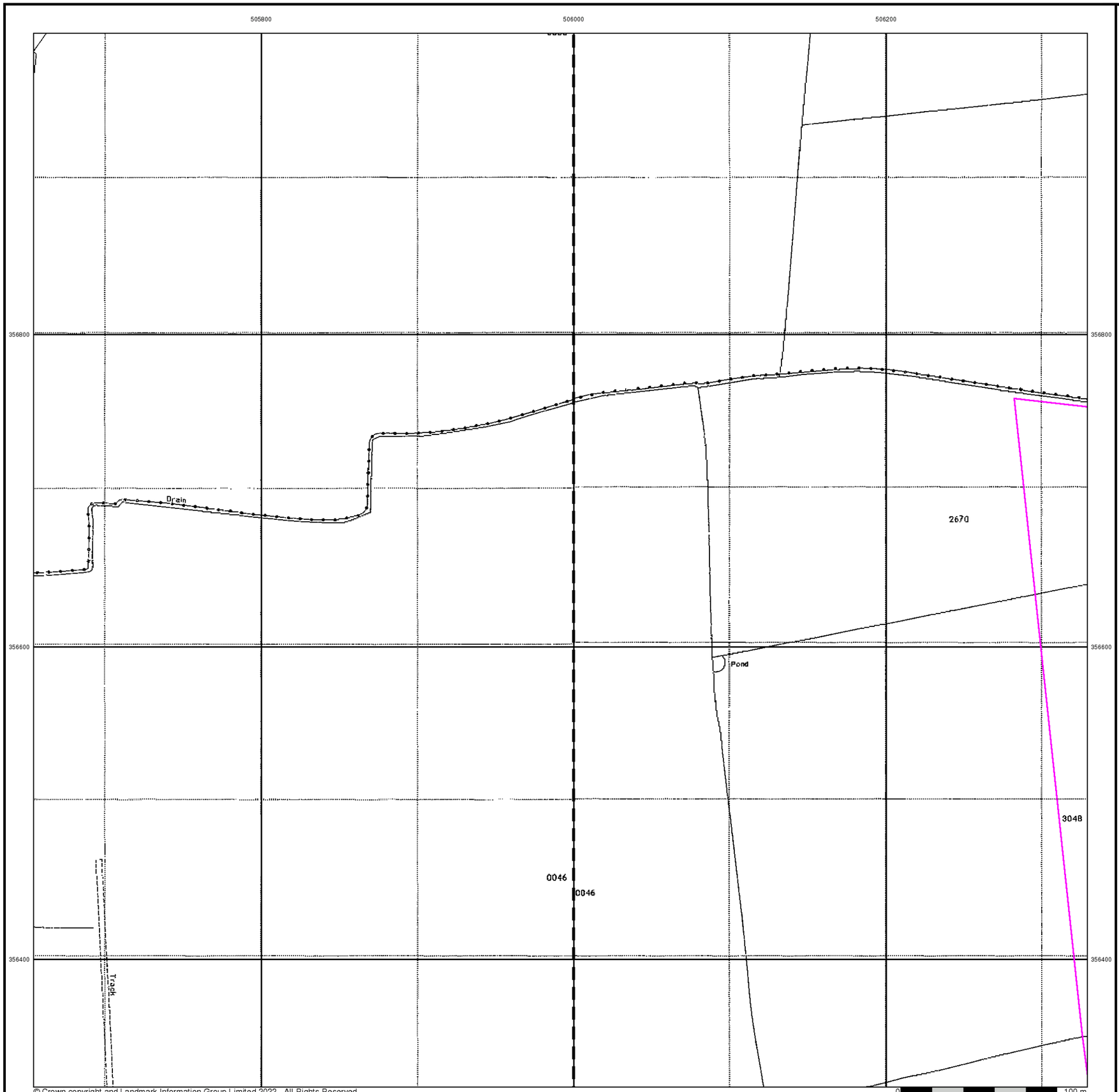

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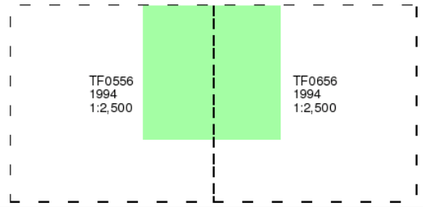
Large-Scale National Grid Data

Published 1994

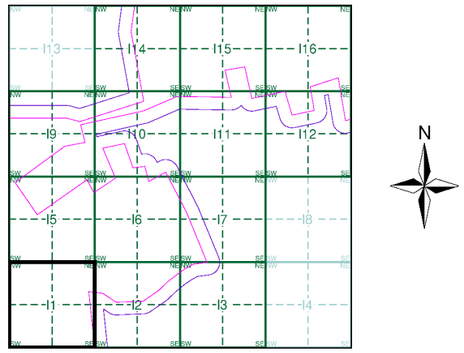
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment I1



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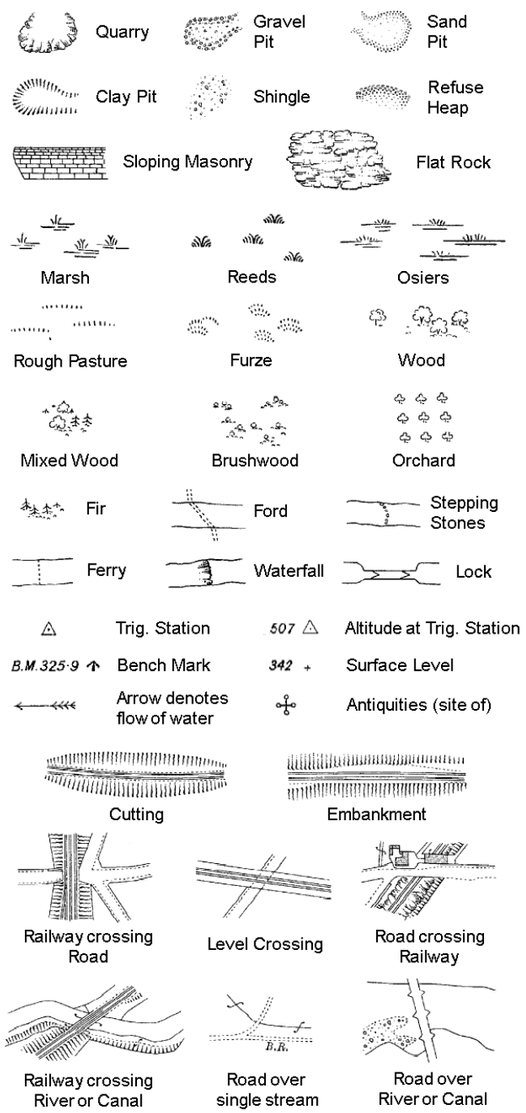
Web: www.envirocheck.co.uk

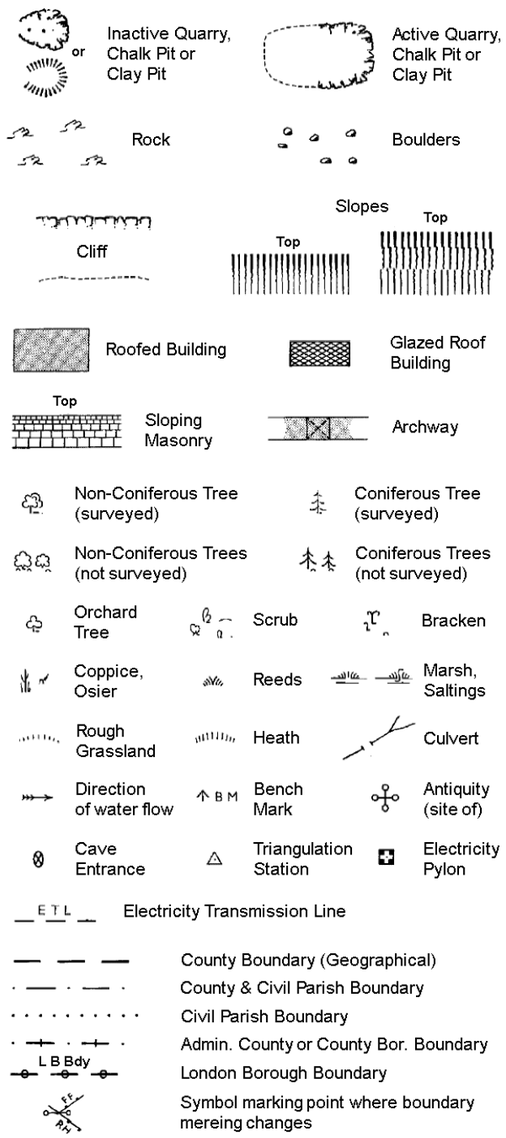
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



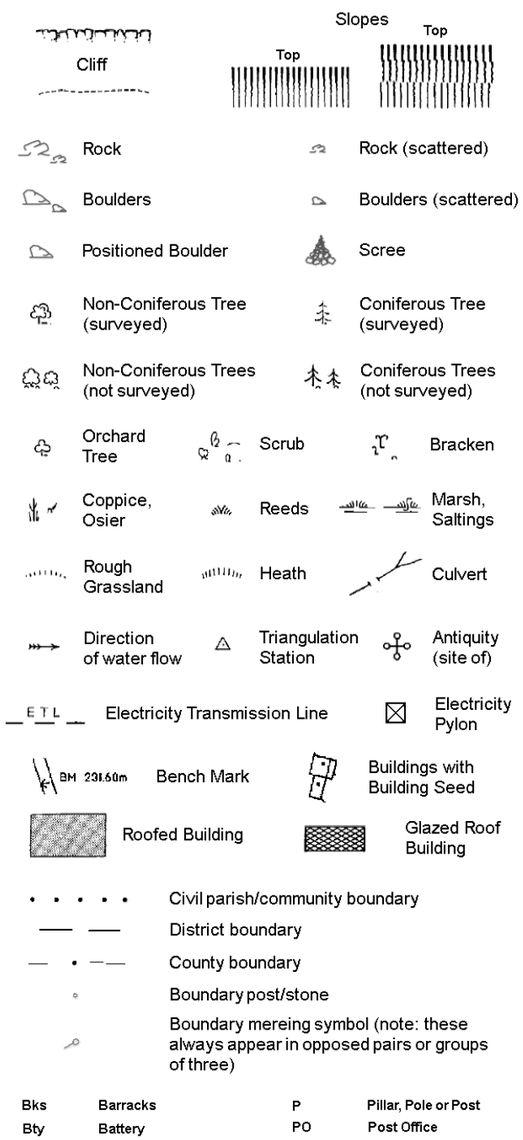
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



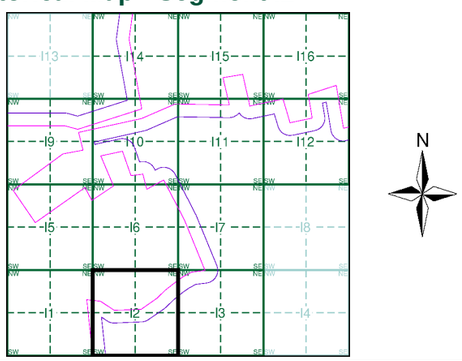
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I2



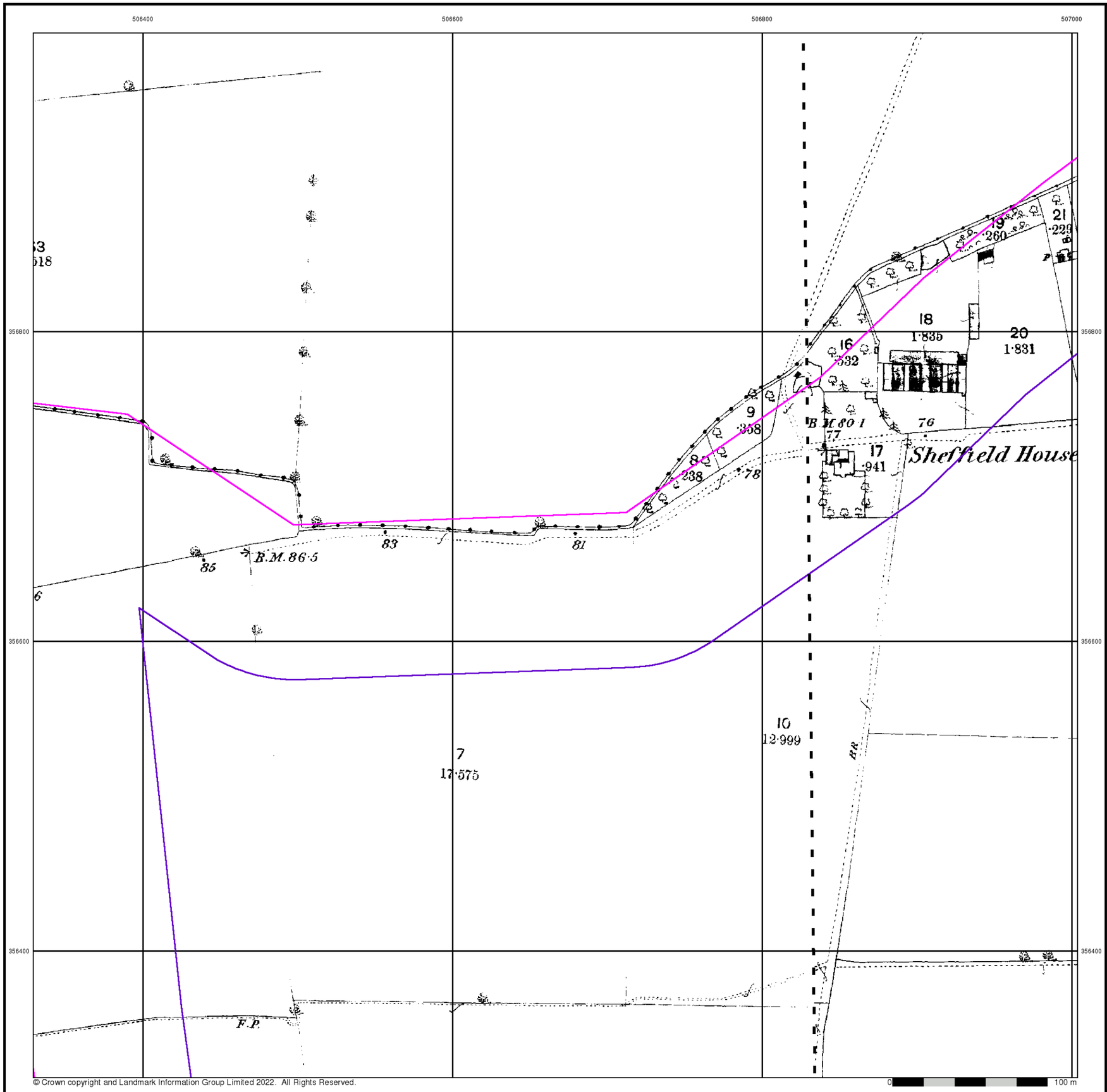
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506980, 357690
Slice: I
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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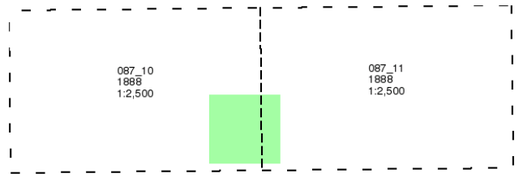
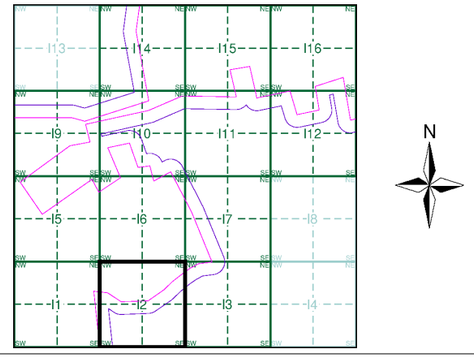


Historical Map - Segment I2



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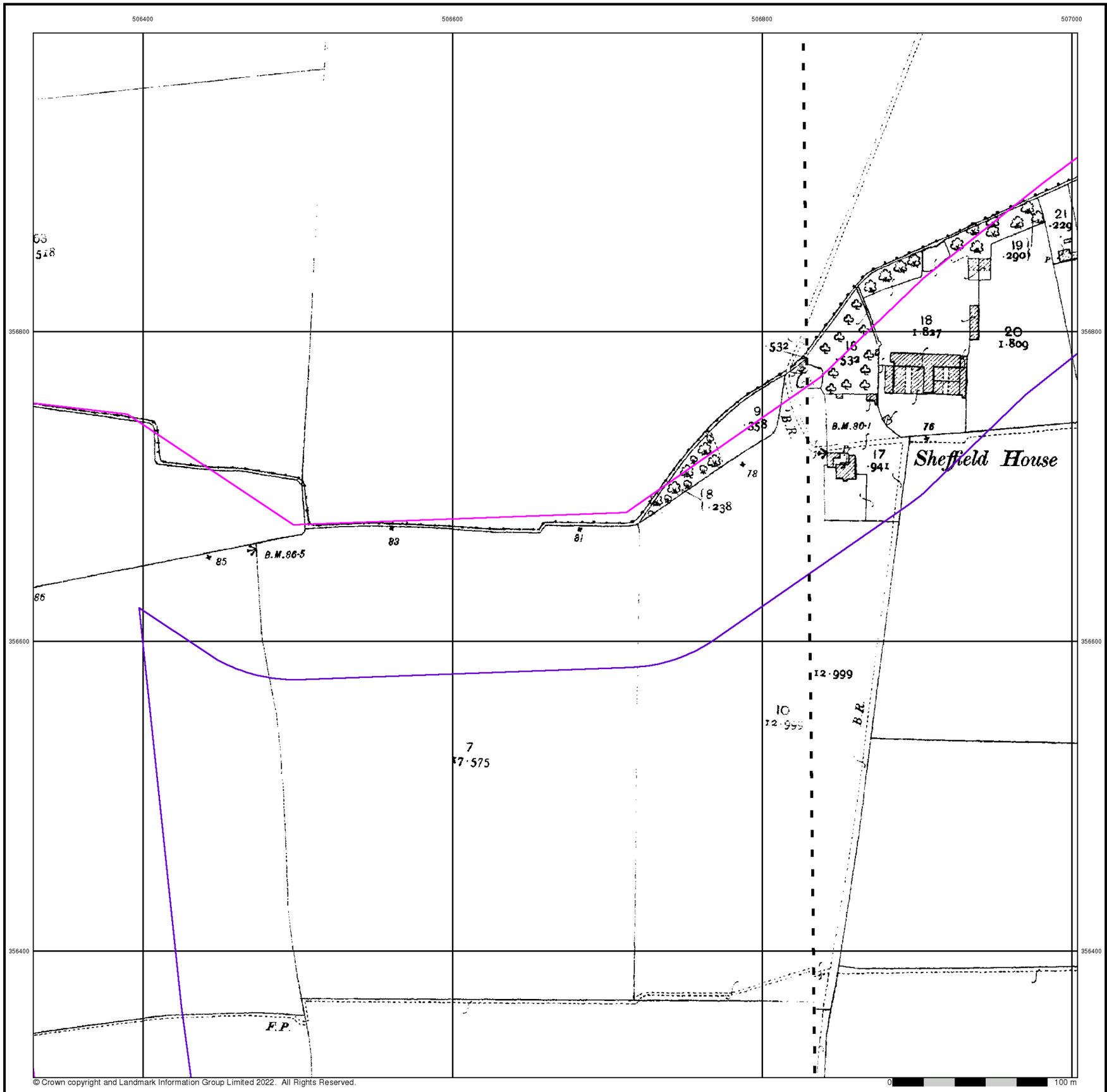

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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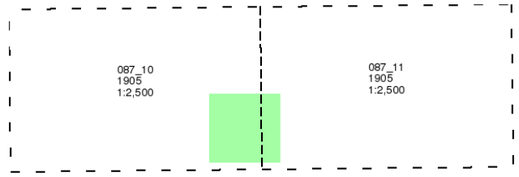
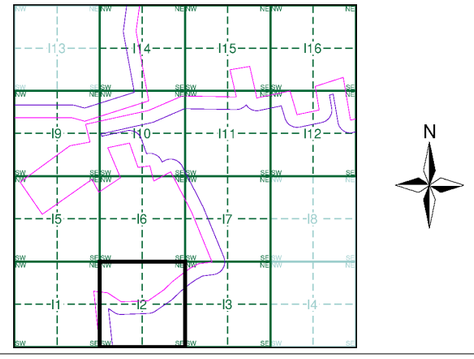


Historical Map - Segment I2



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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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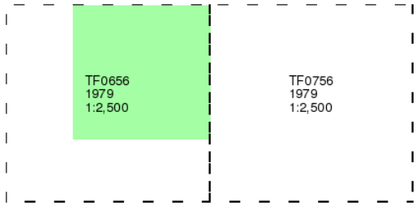
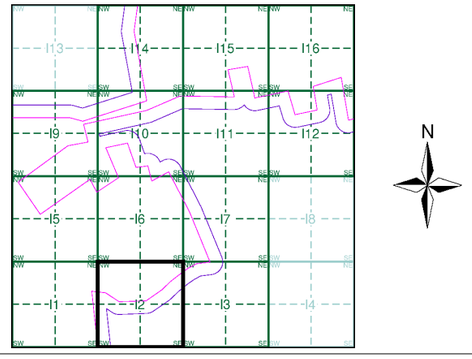


Historical Map - Segment I2



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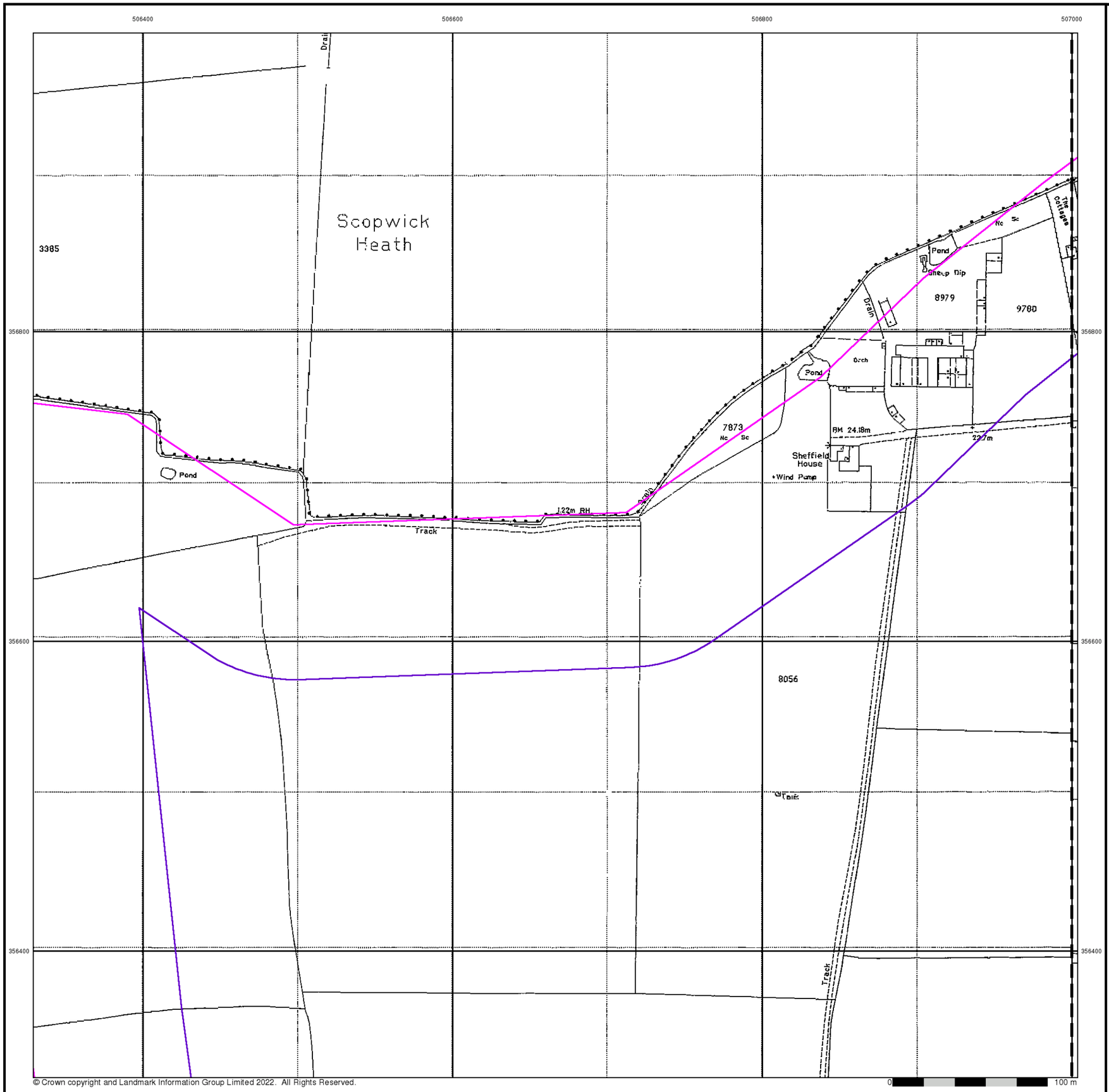

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

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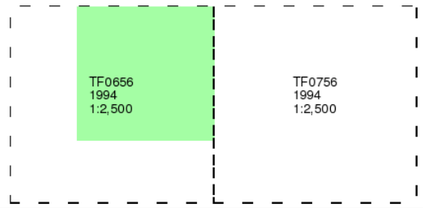
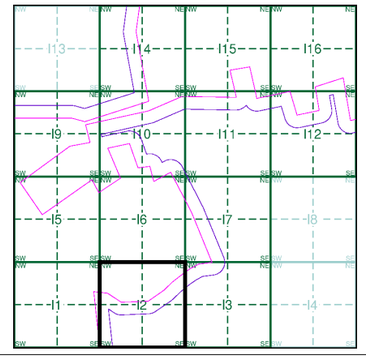


Historical Map - Segment I2



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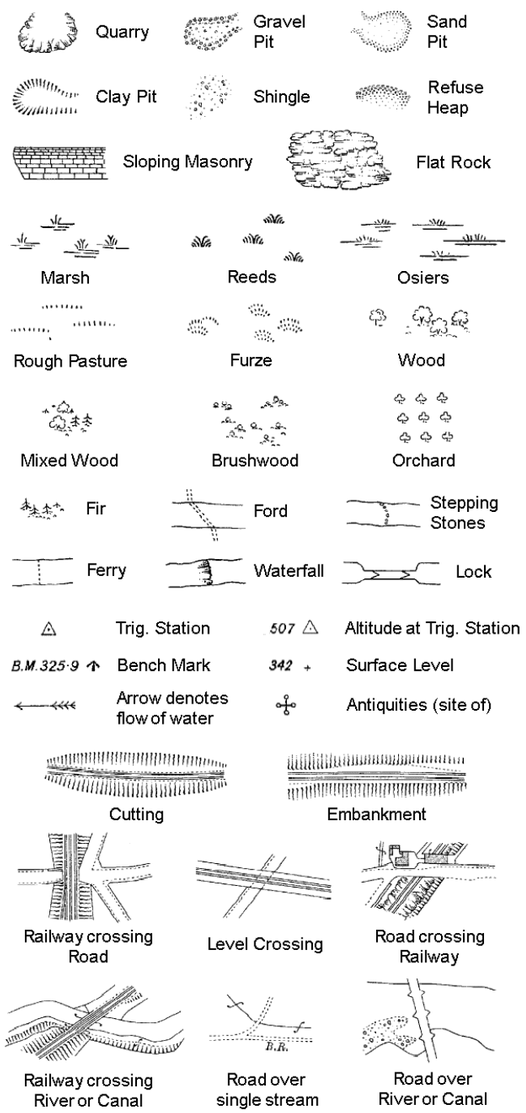
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

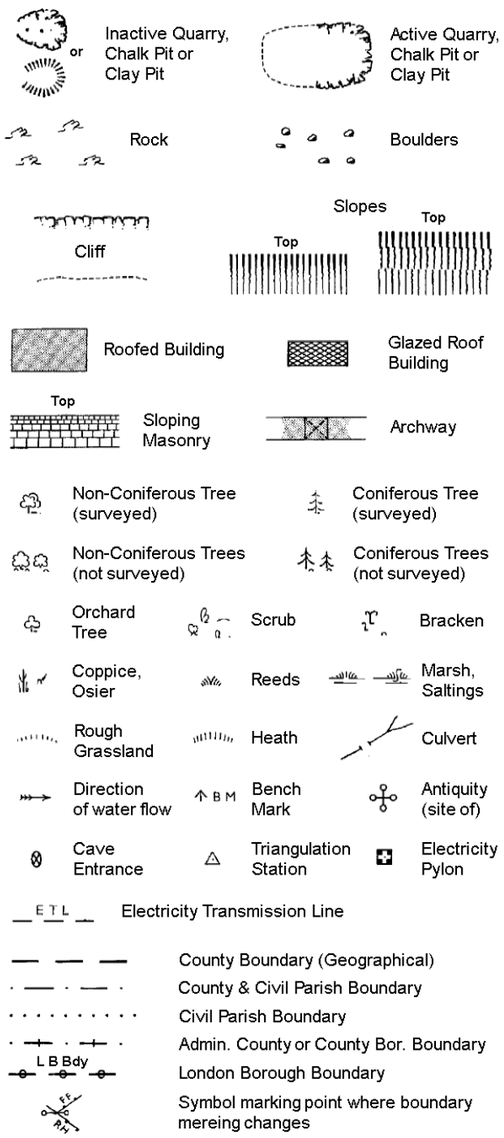
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

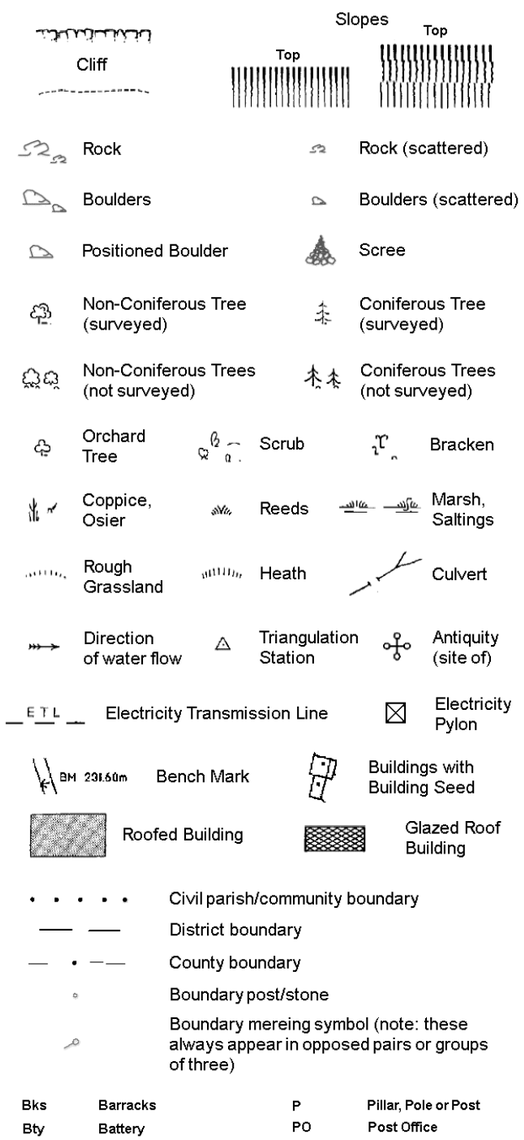
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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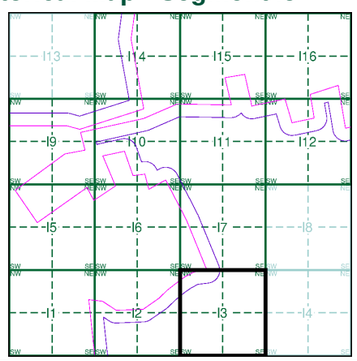
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I3



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506980, 357690
Slice: I
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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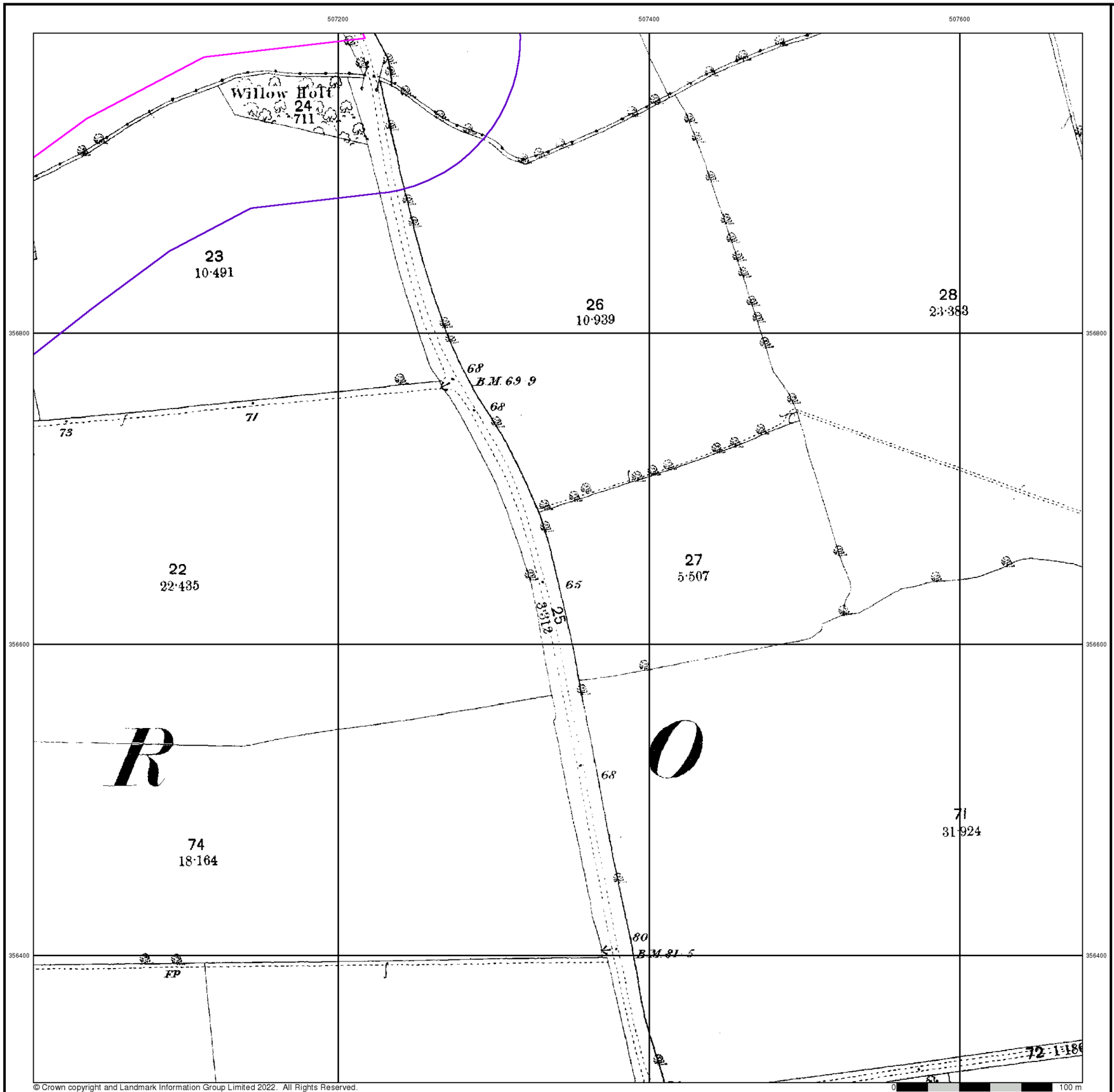
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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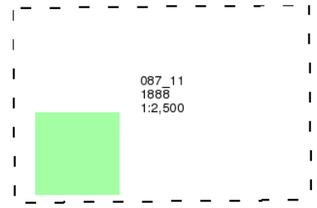
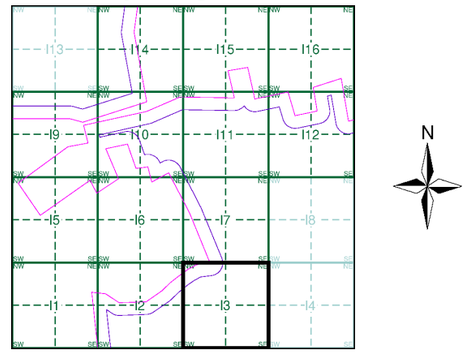


Historical Map - Segment I3



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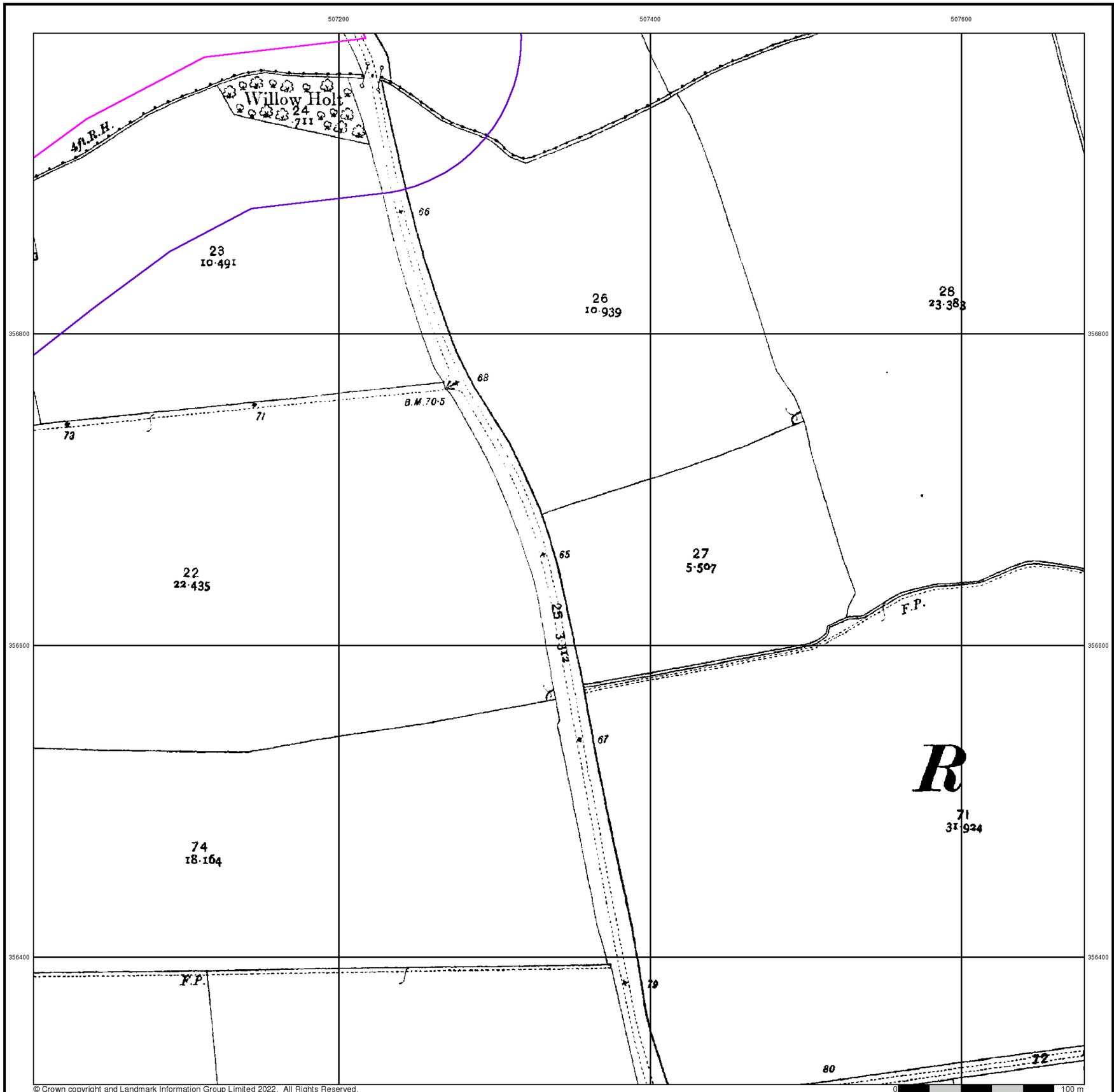

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RSK

Lincolnshire

Published 1905

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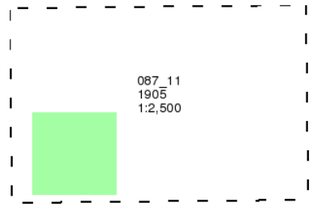
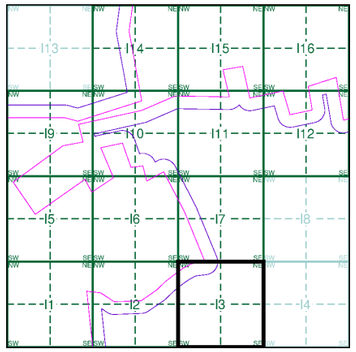


Historical Map - Segment I3



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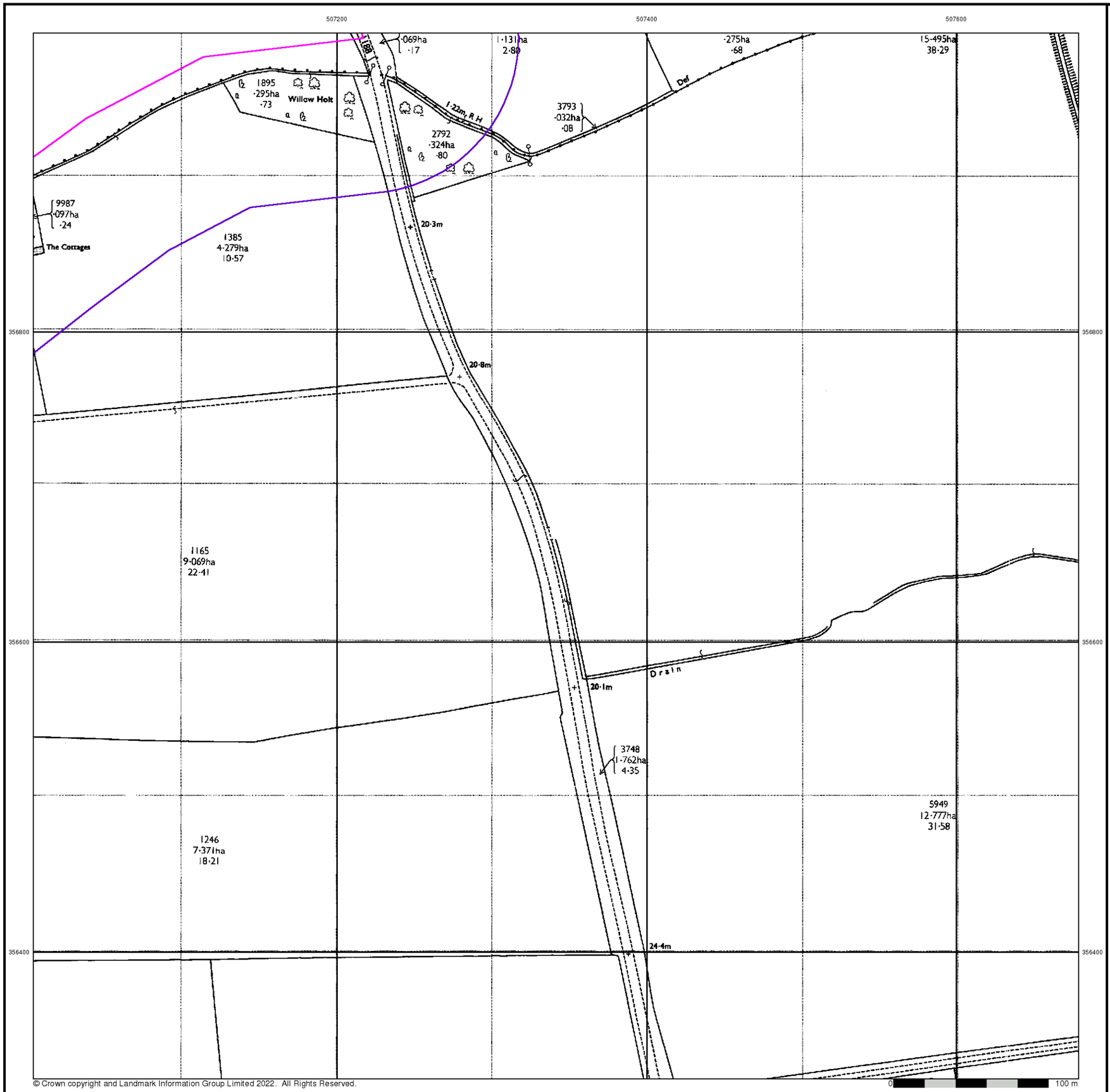

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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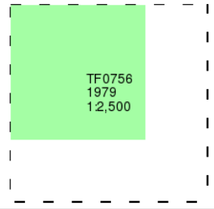
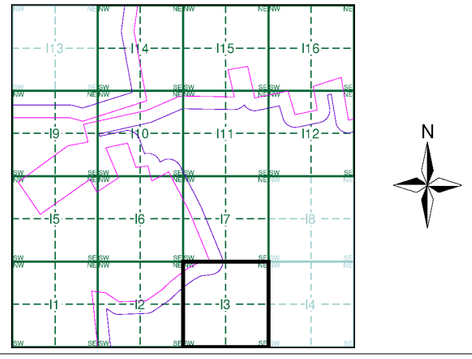


Historical Map - Segment I3



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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

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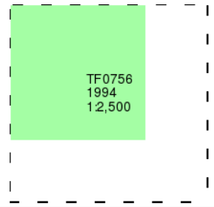
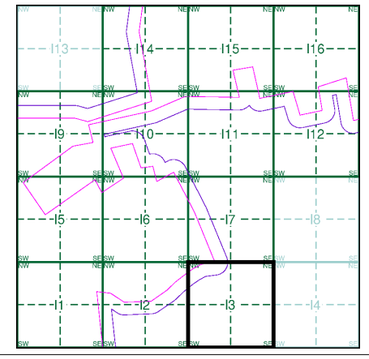


Historical Map - Segment I3



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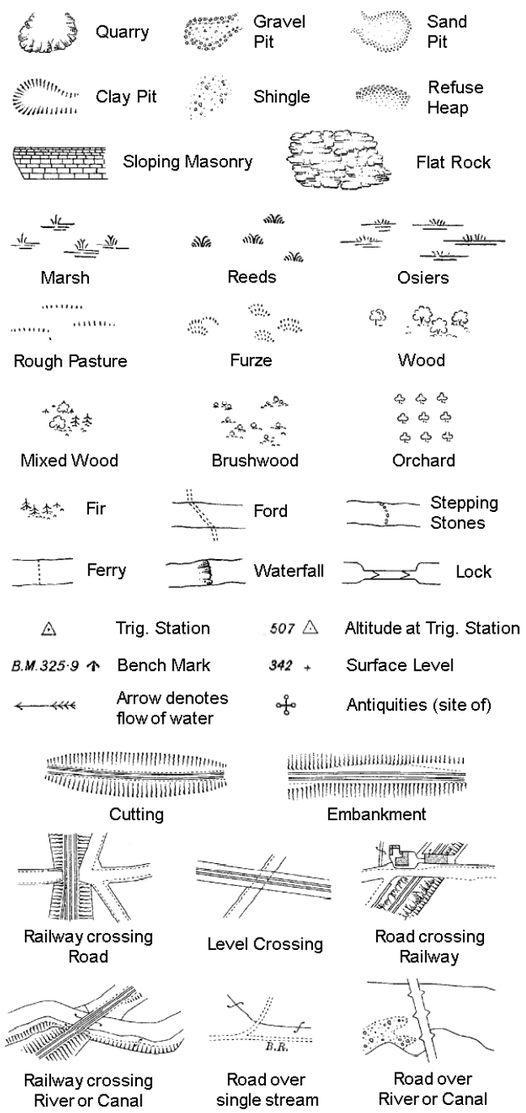
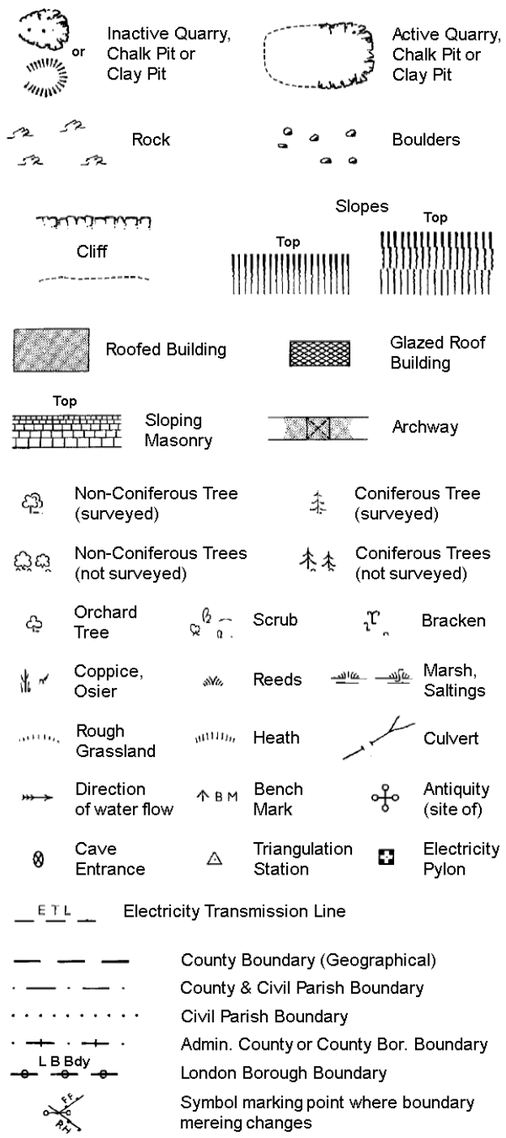
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



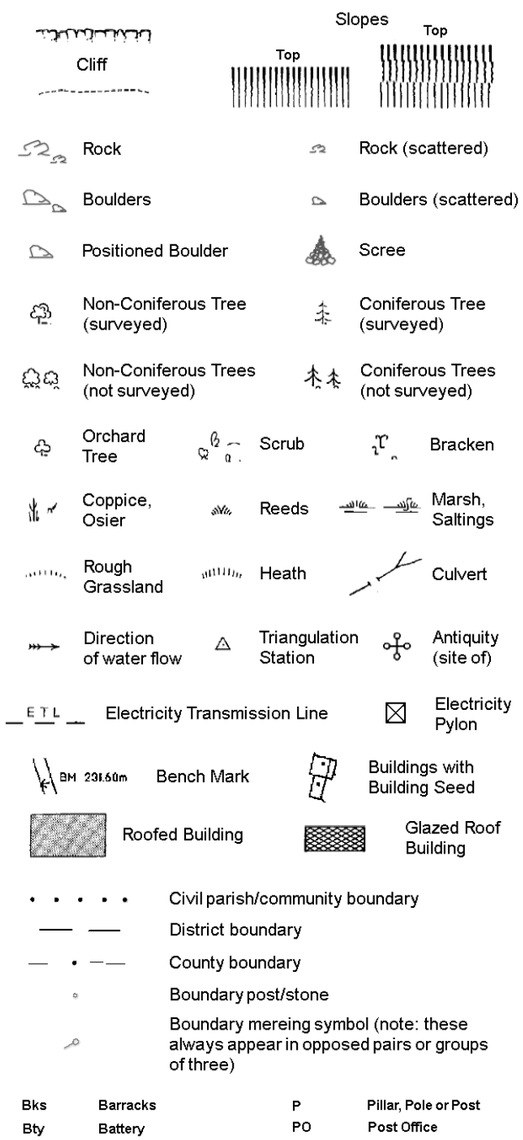
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



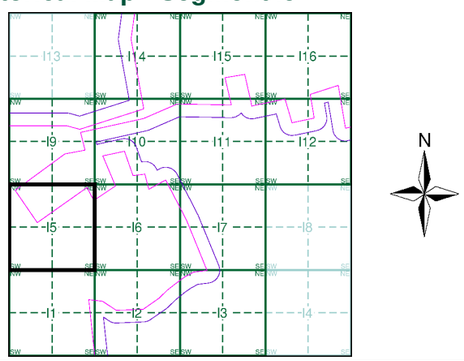
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I5



Order Details

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Site Details

All Areas New

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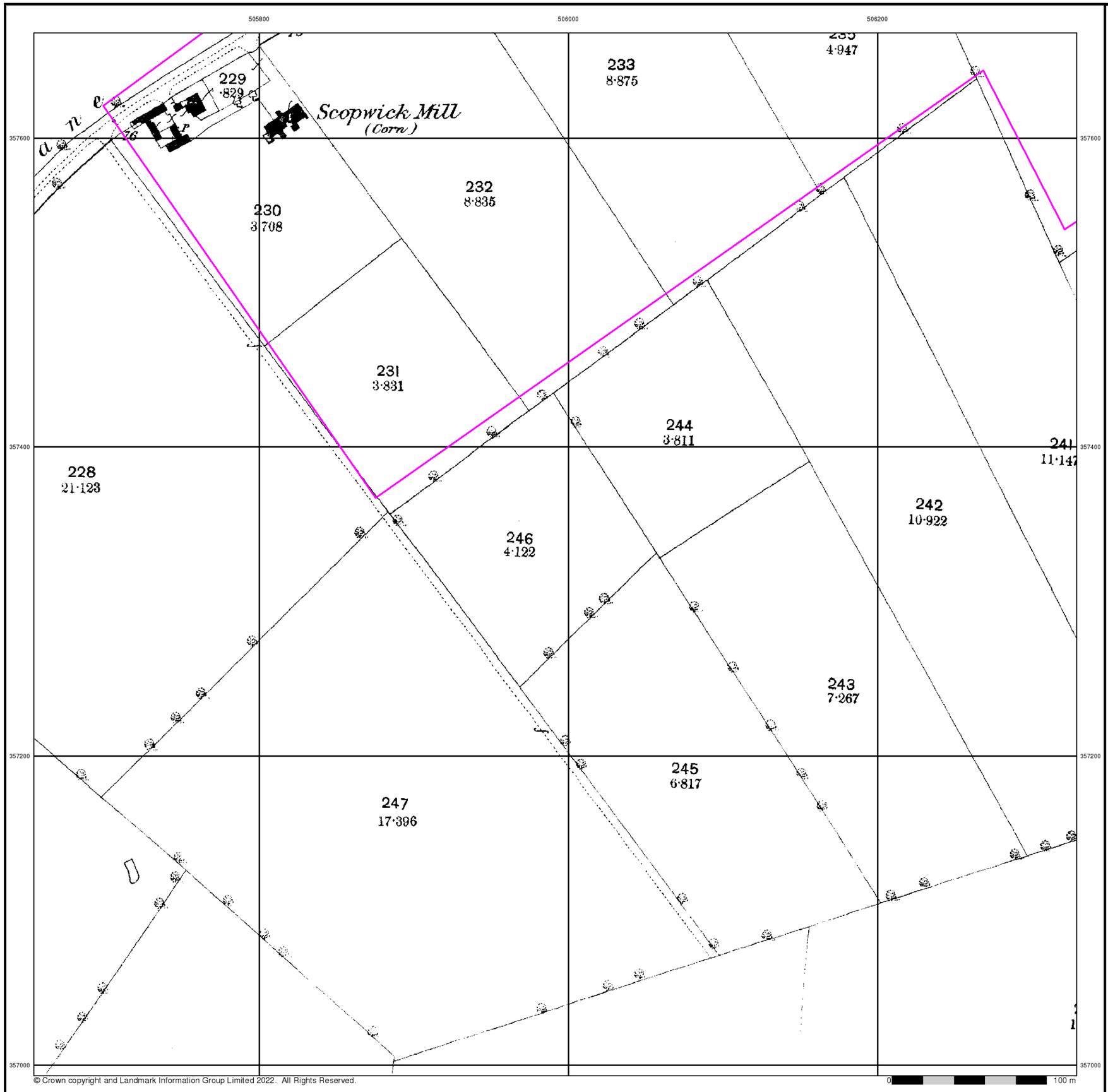

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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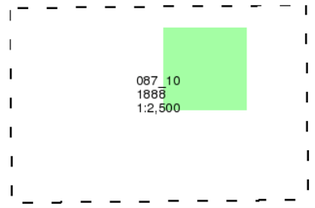
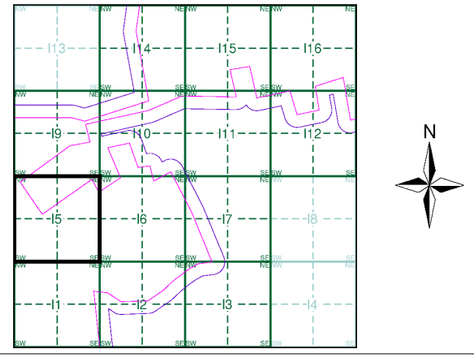


Historical Map - Segment I5



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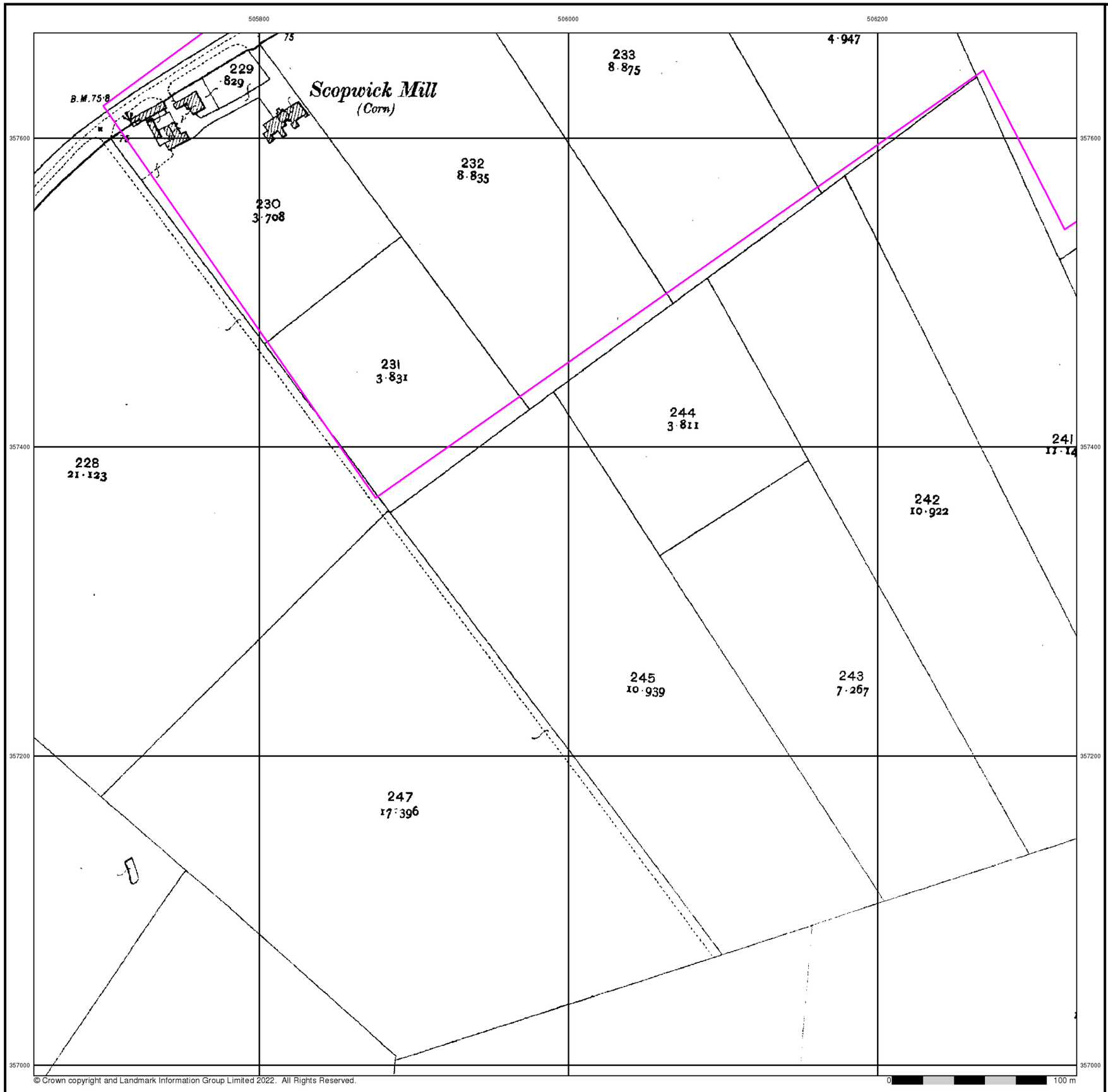

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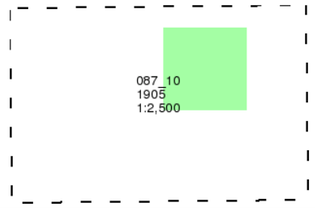
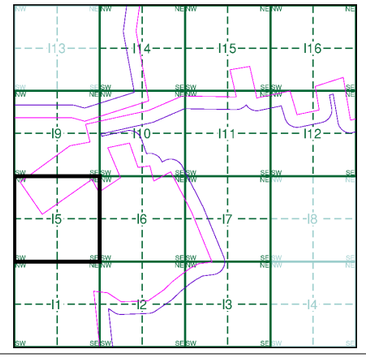


Historical Map - Segment I5



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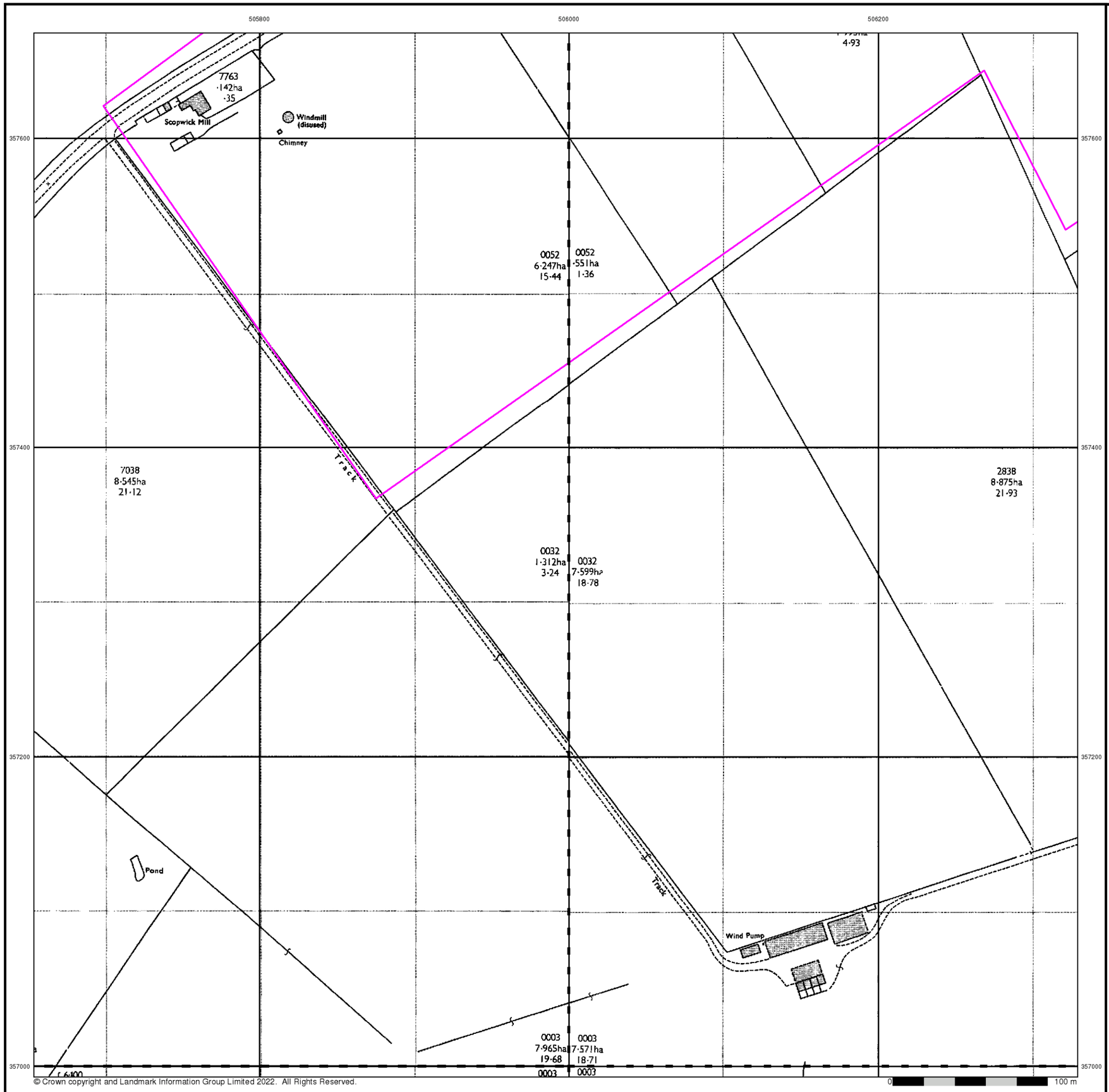

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Ordnance Survey Plan

Published 1979

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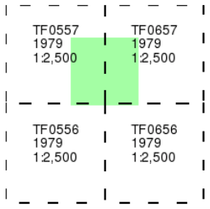
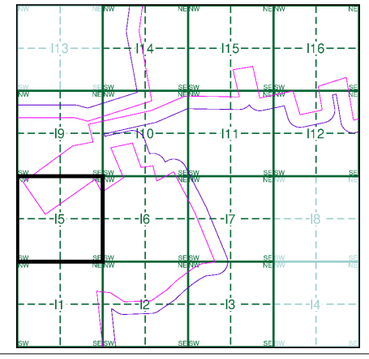


Historical Map - Segment I5



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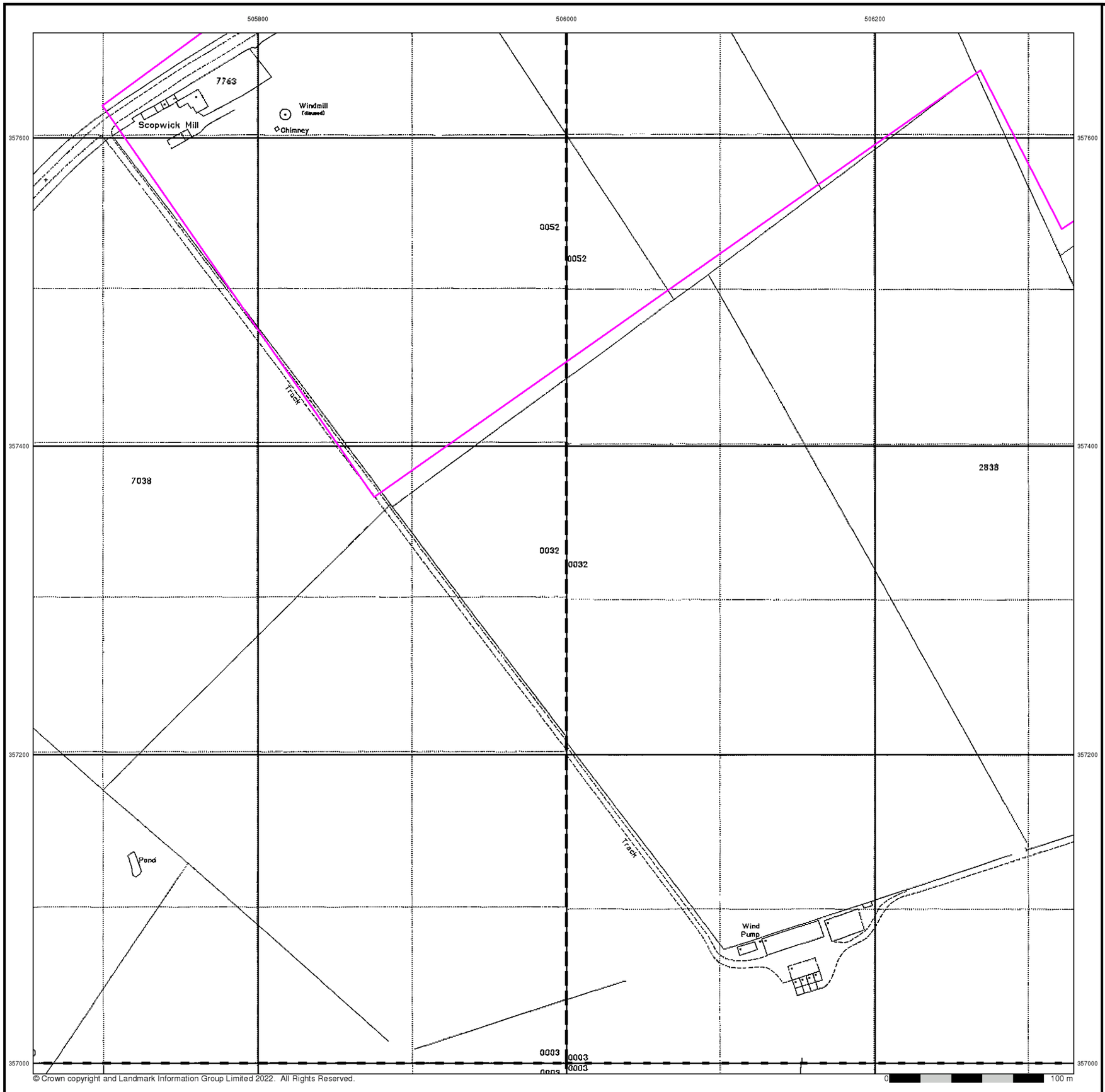

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0 100 m

RSK

Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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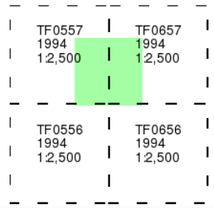
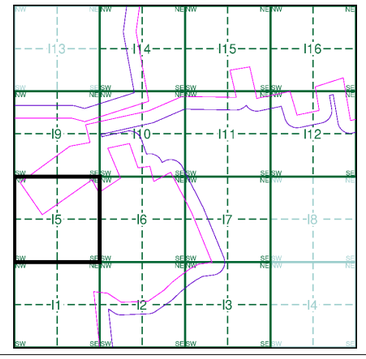


Historical Map - Segment I5



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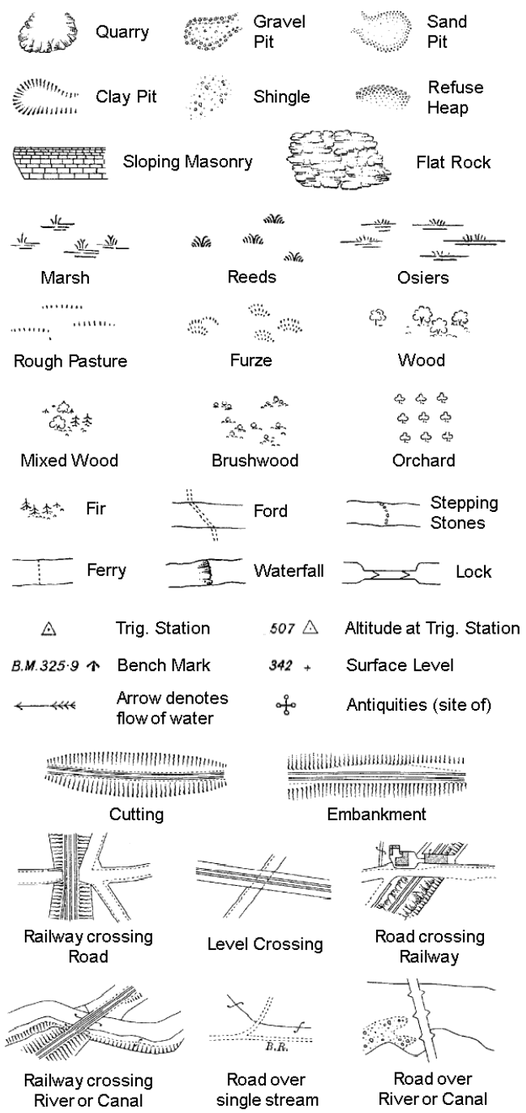
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

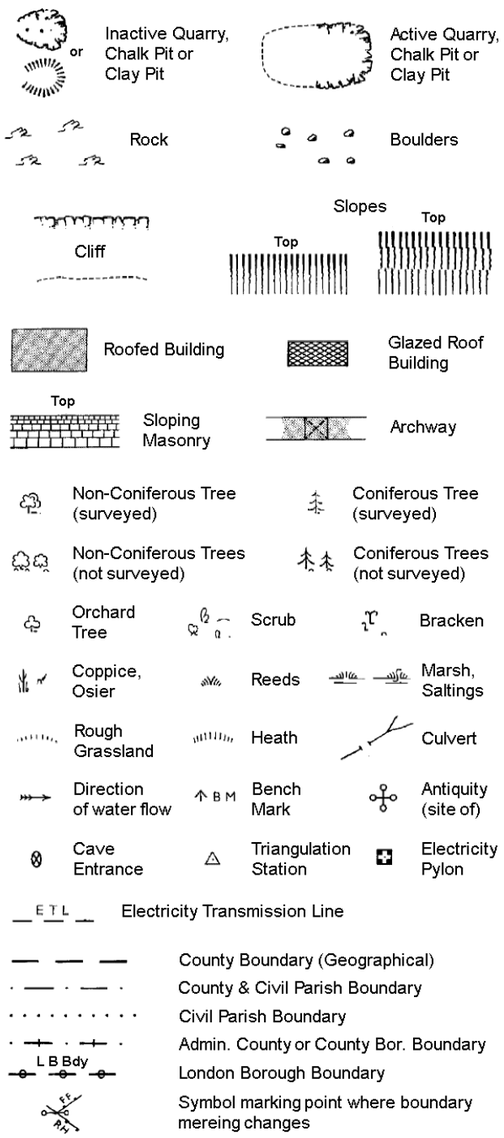
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

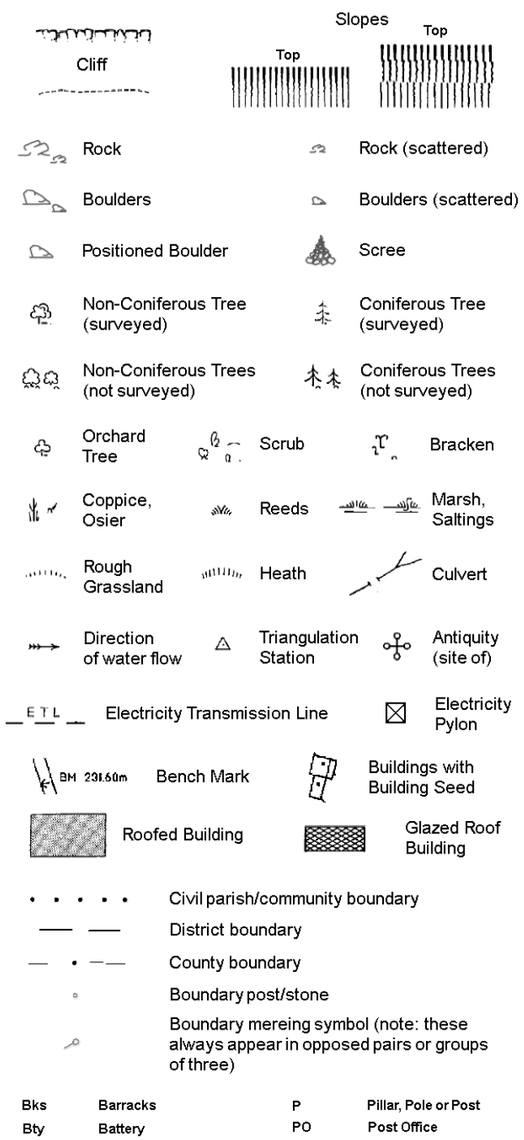
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

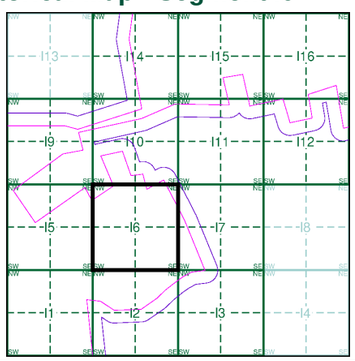
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I6



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506980, 357690
Slice: I
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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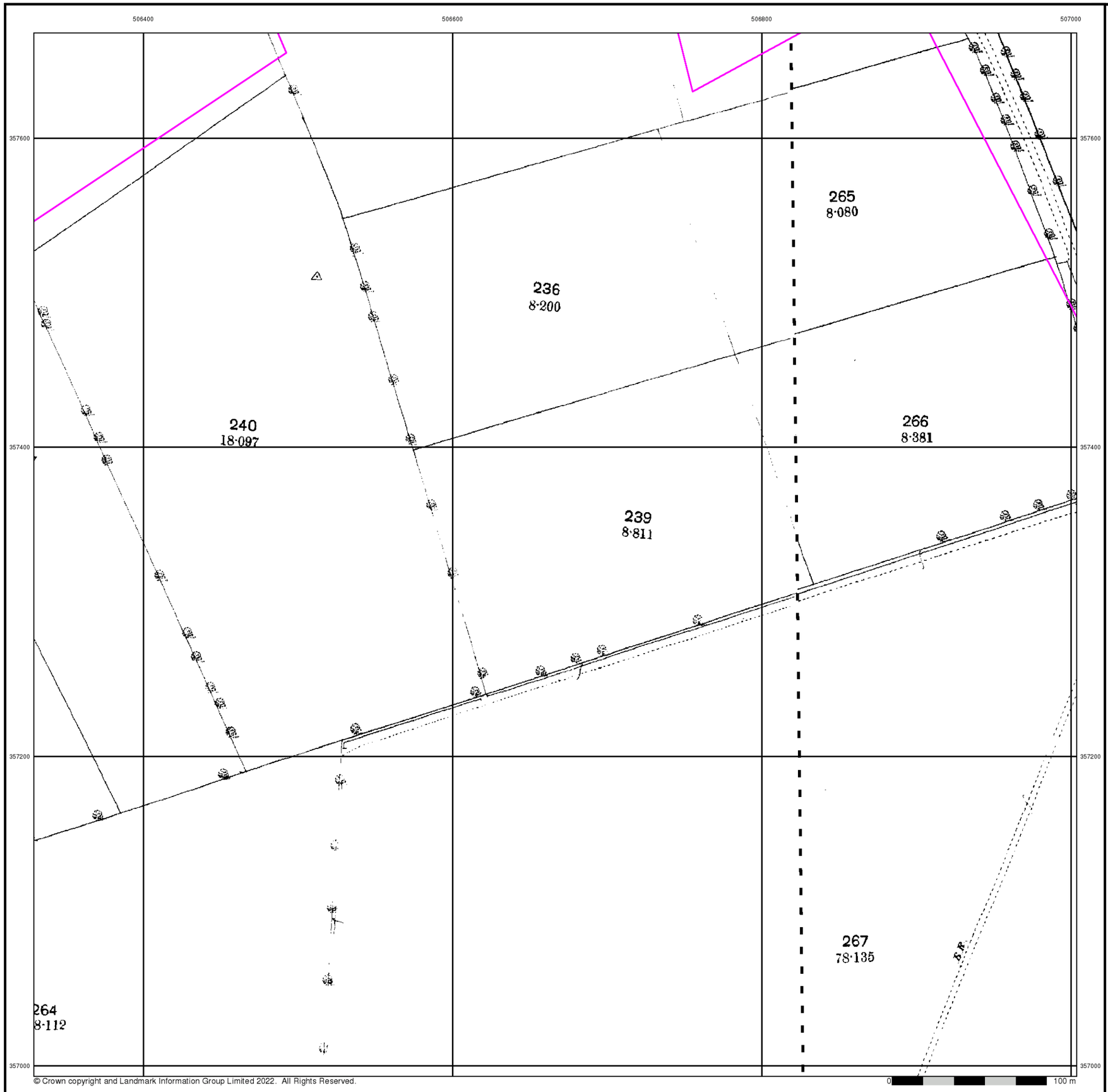
Web: www.envirocheck.co.uk



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0 100 m

RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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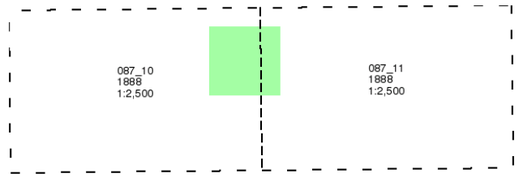
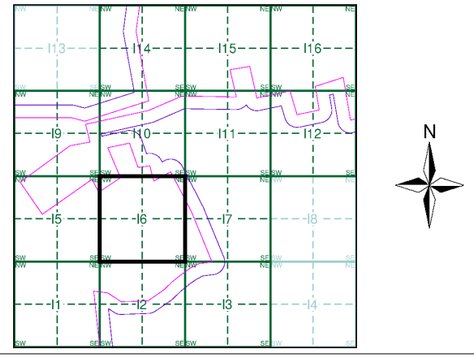


Historical Map - Segment I6



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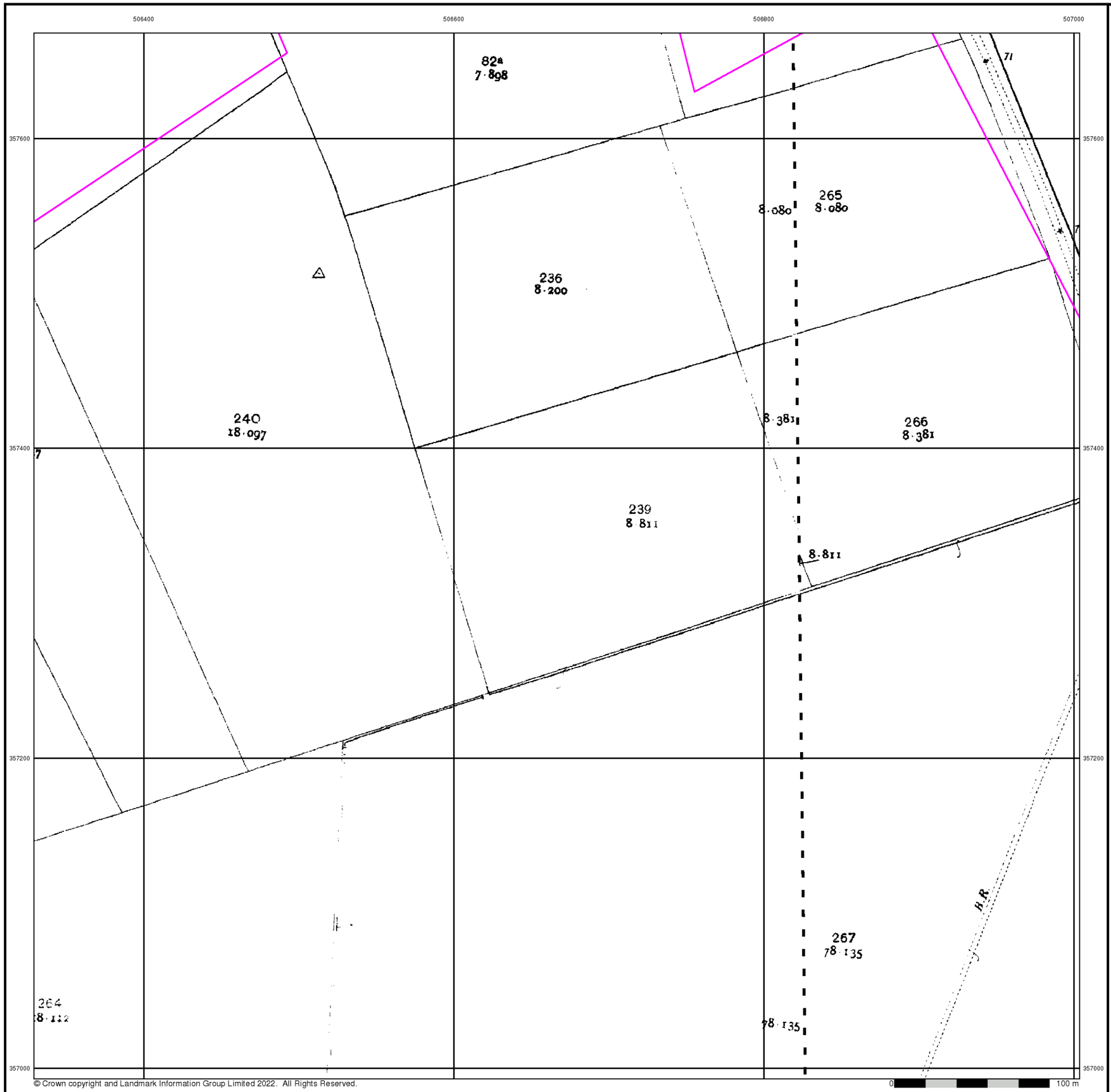

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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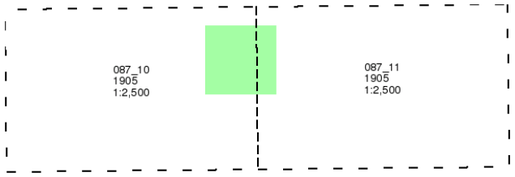
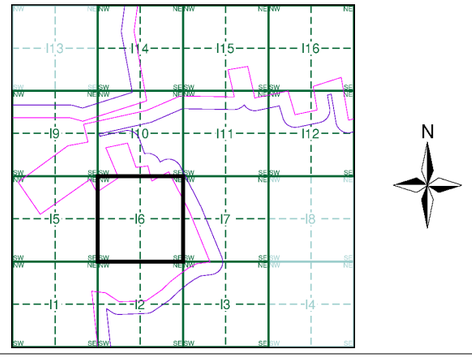


Historical Map - Segment I6



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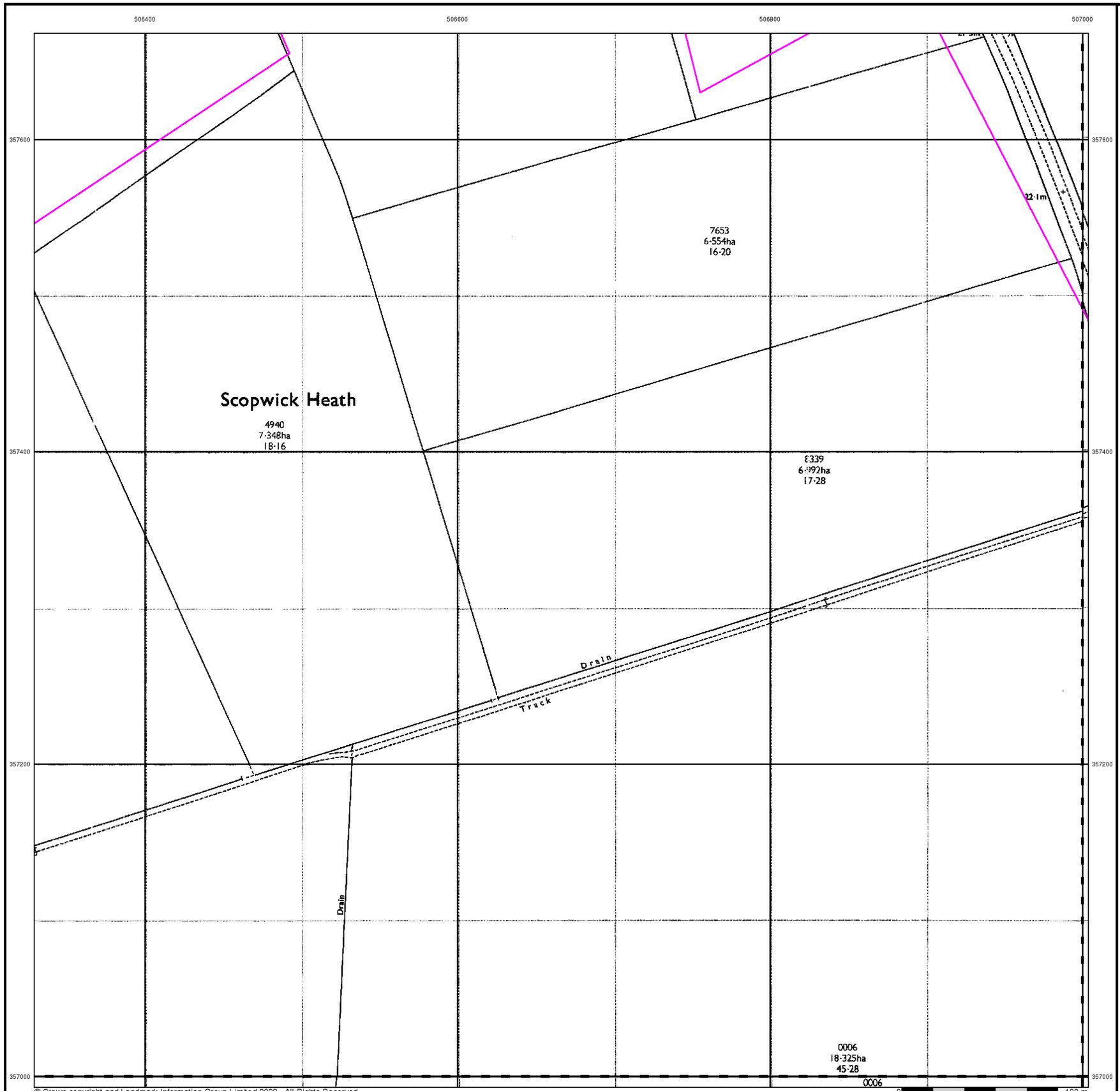

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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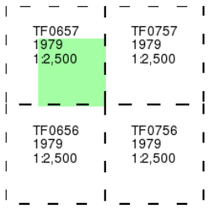
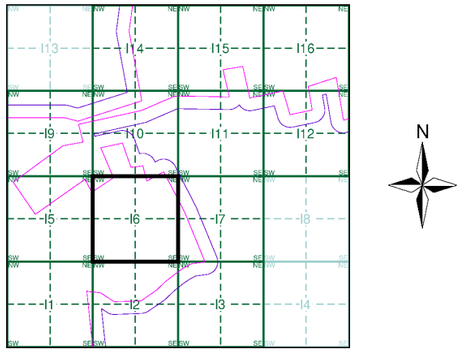


Historical Map - Segment I6



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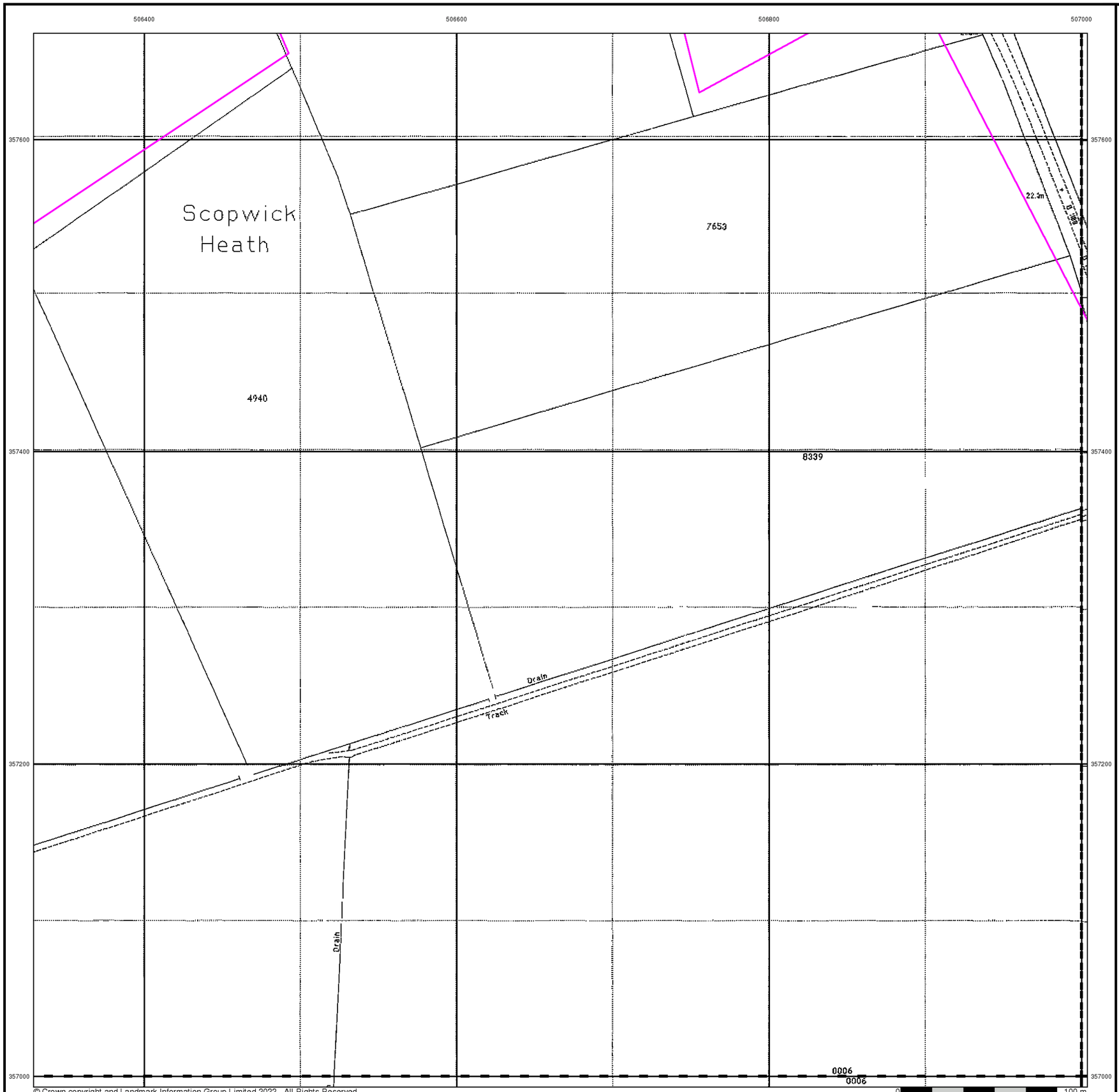

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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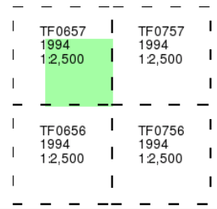
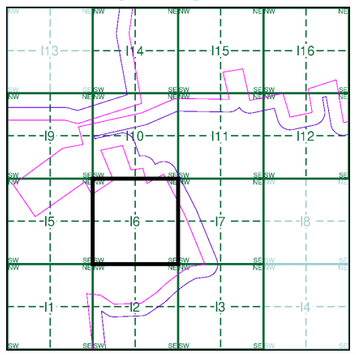
Map Name(s) and Date(s)



Historical Map - Segment I6



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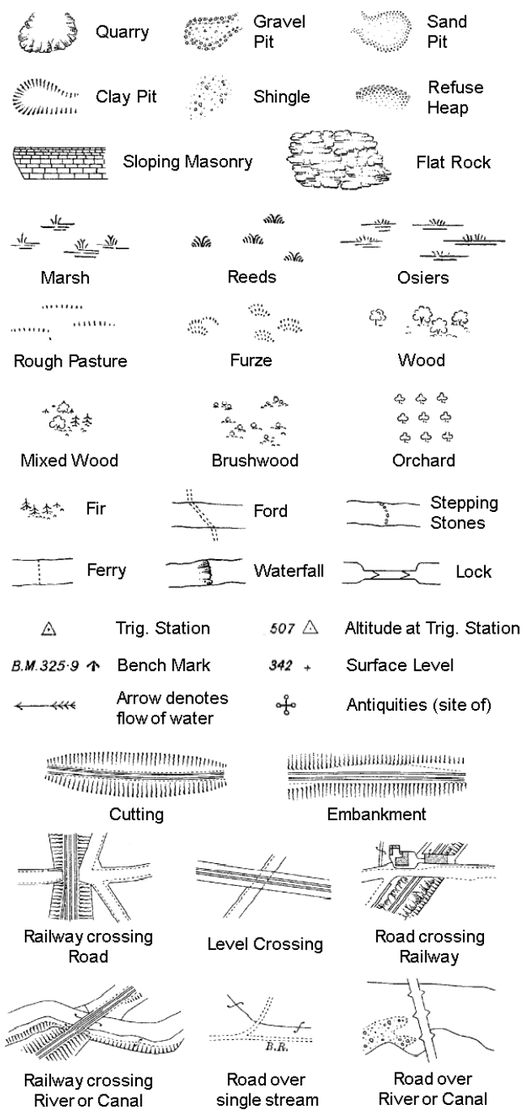
Historical Mapping Legends

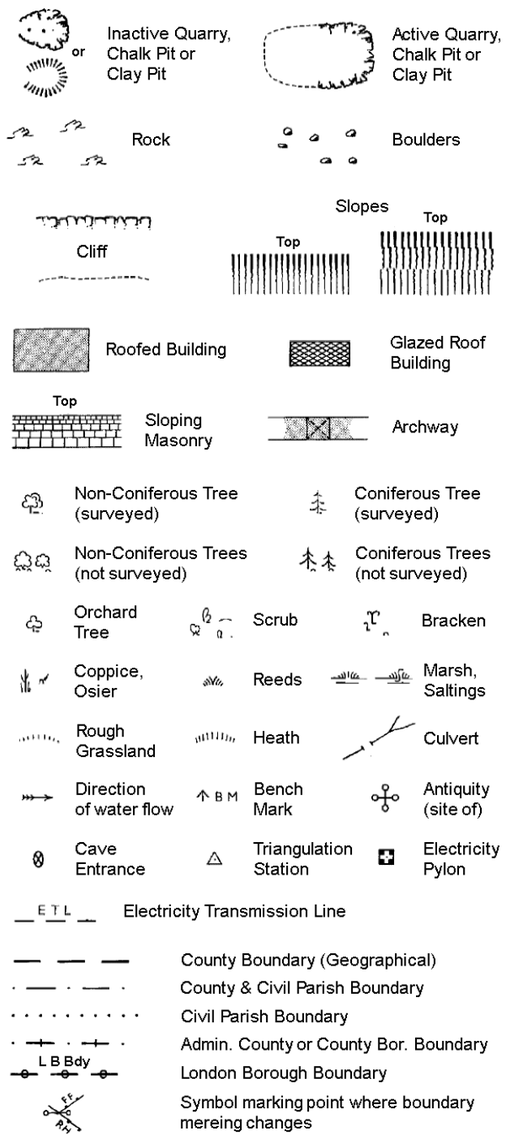
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

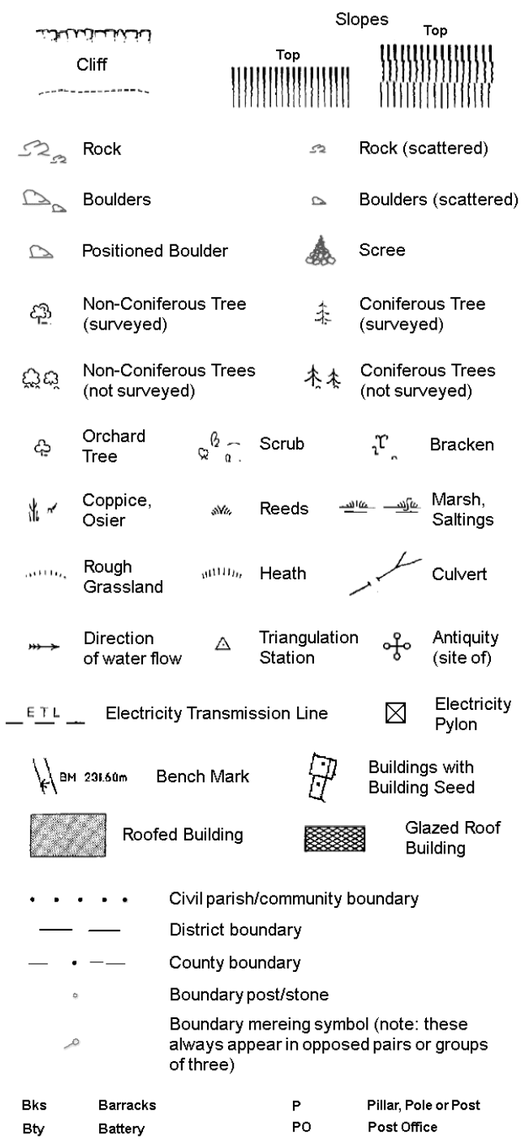
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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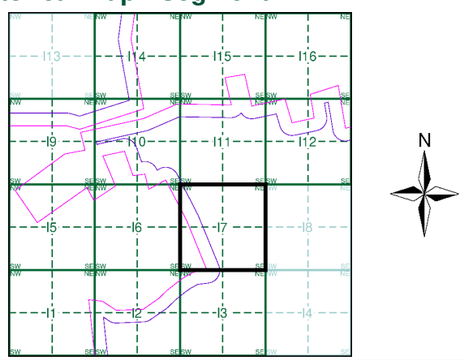
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I7



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506980, 357690
Slice: I
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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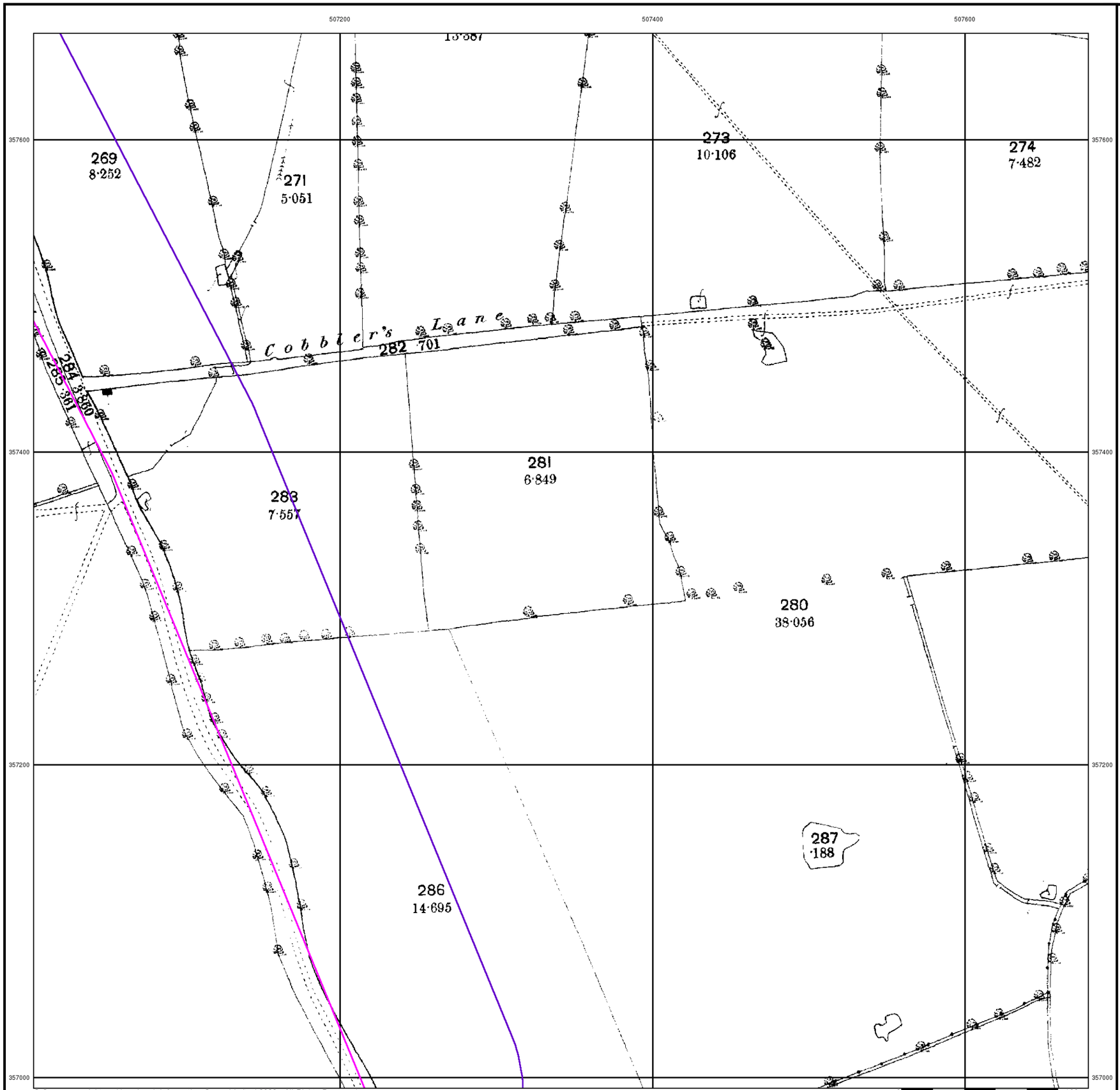

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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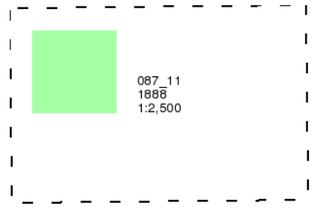
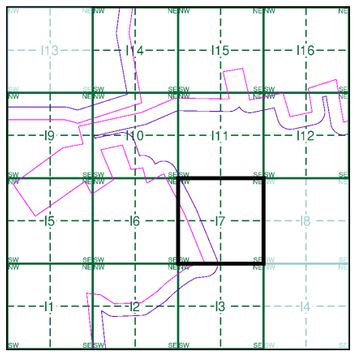
Map Name(s) and Date(s)



Historical Map - Segment I7



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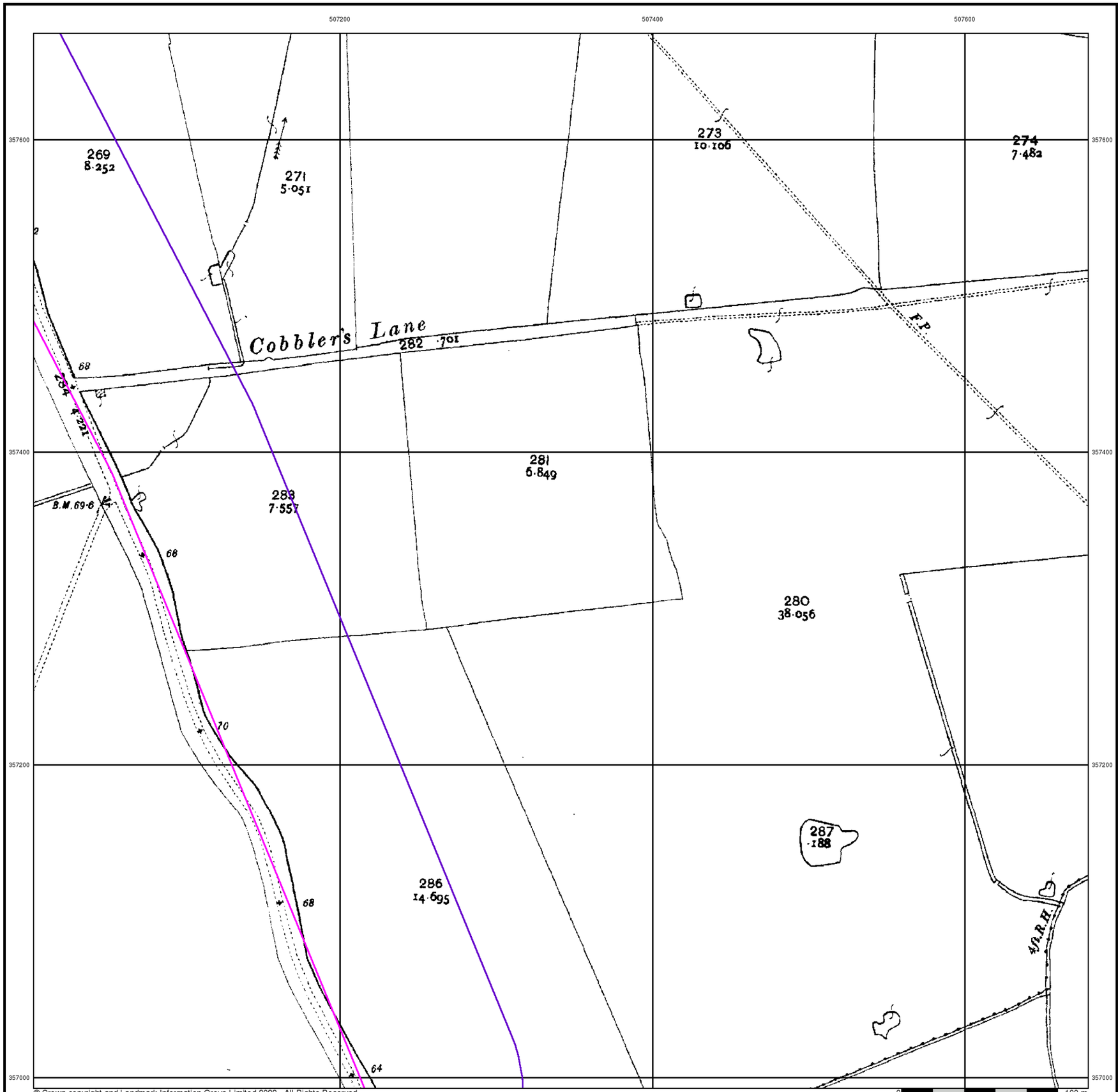

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0 100 m

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Lincolnshire

Published 1905

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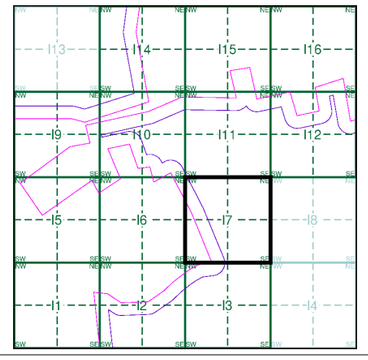
Map Name(s) and Date(s)

087_11
1905
1:2,500

Historical Map - Segment I7



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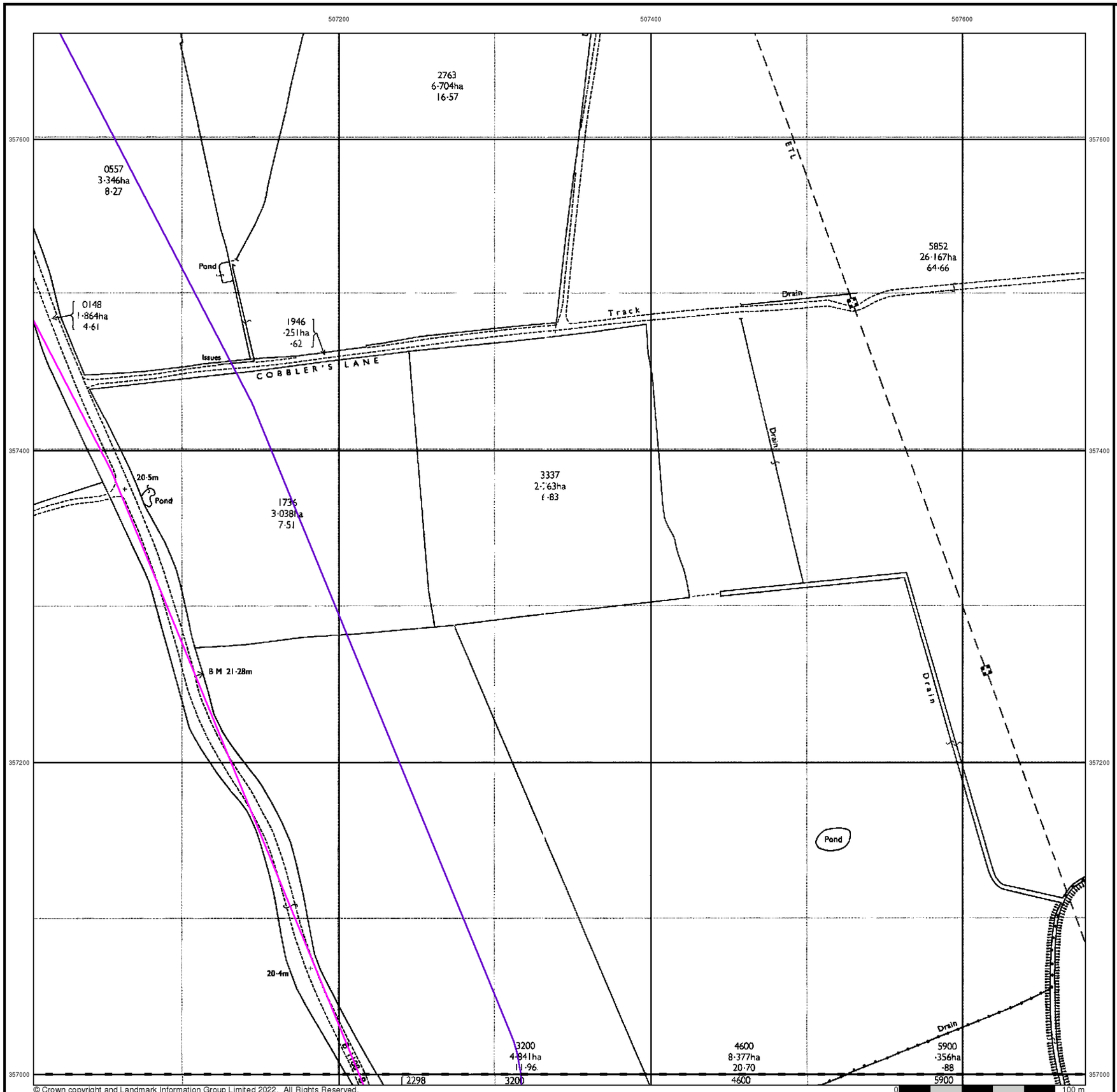

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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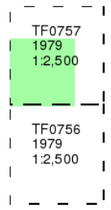

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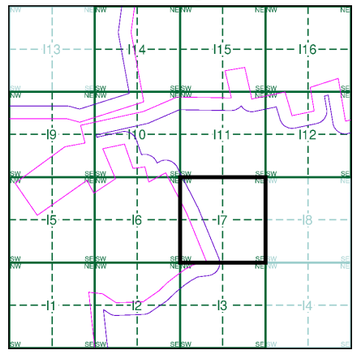

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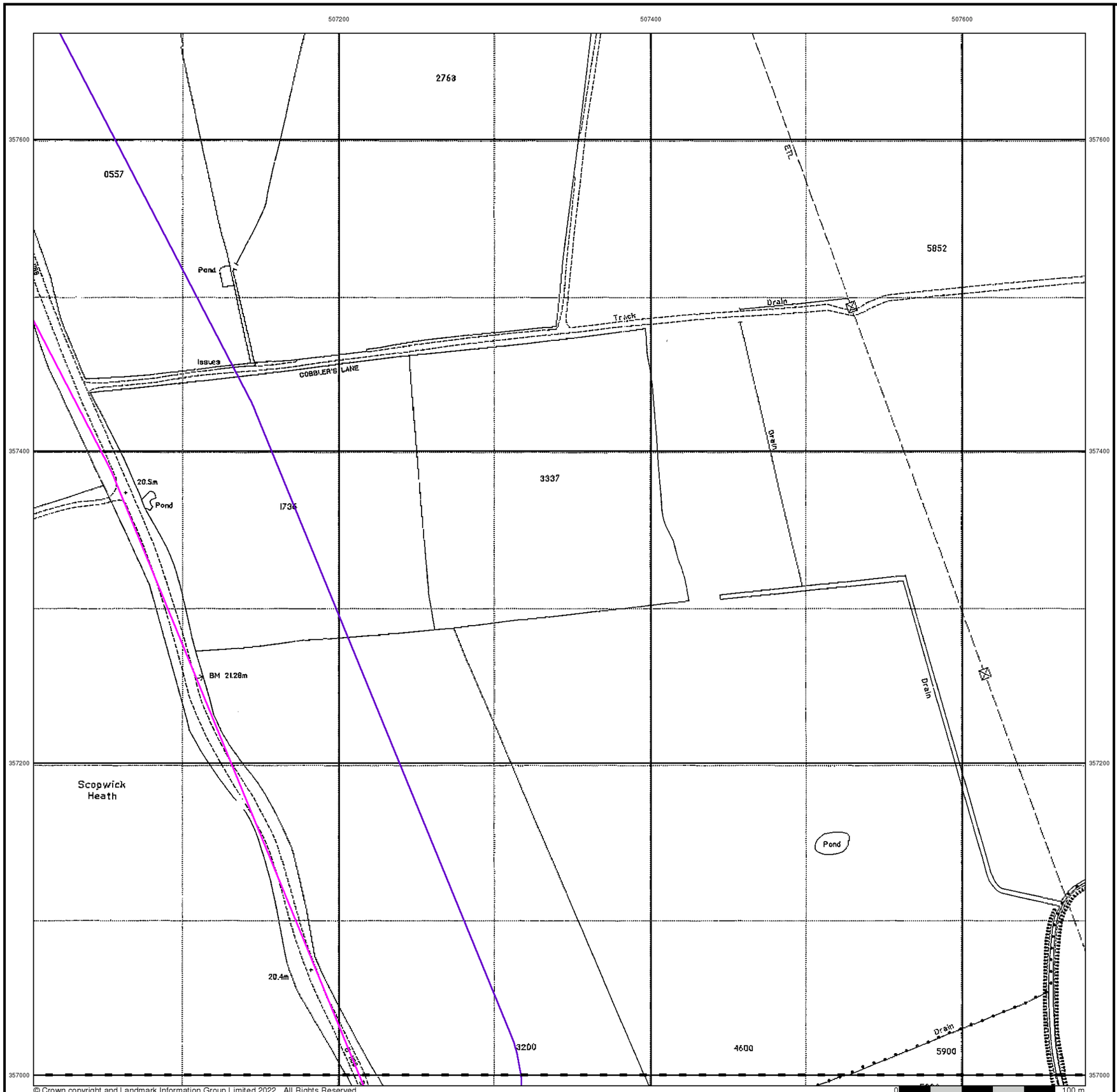

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RSK

Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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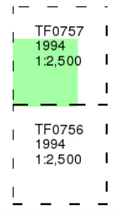
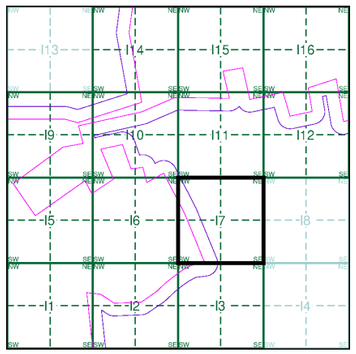


Historical Map - Segment I7



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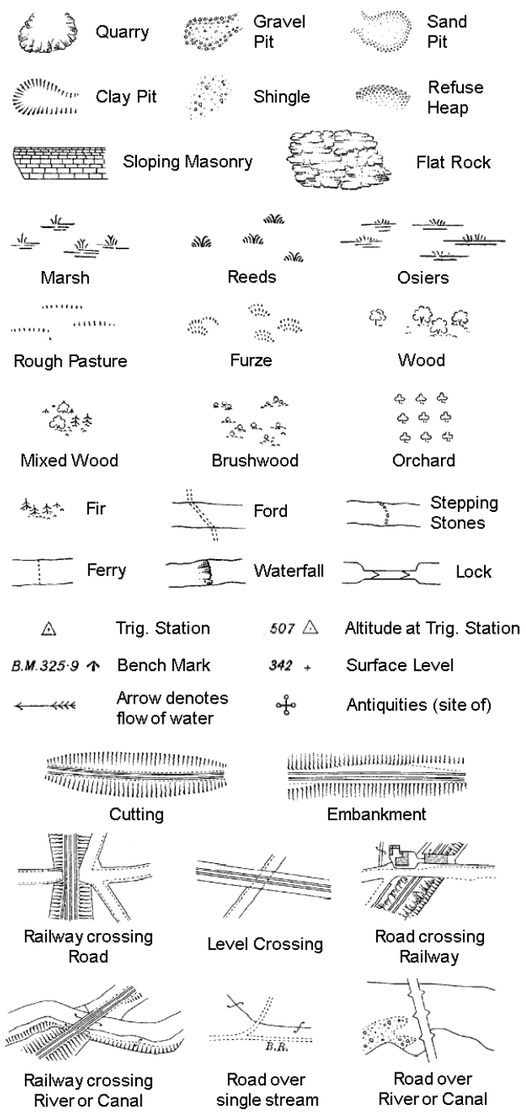
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

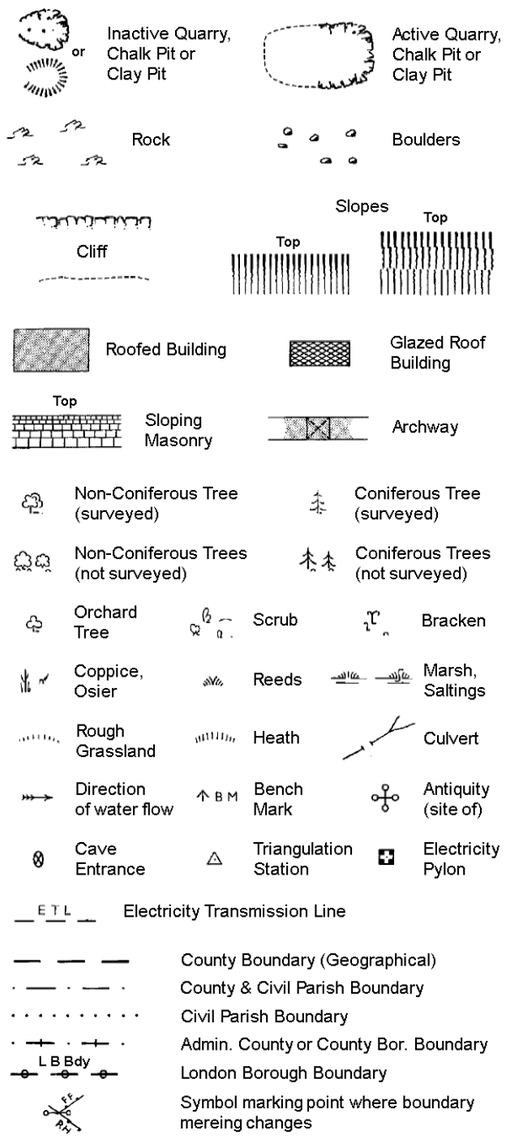
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

Admin. County or County Bor. Boundary

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Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
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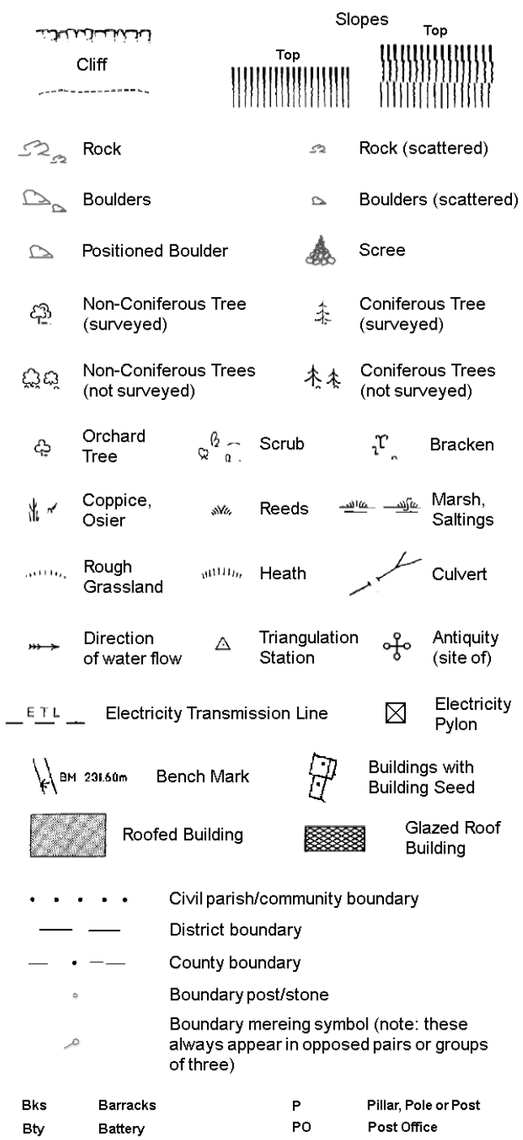
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

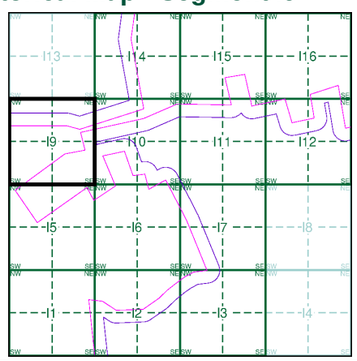
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I9



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506980, 357690
Slice: I
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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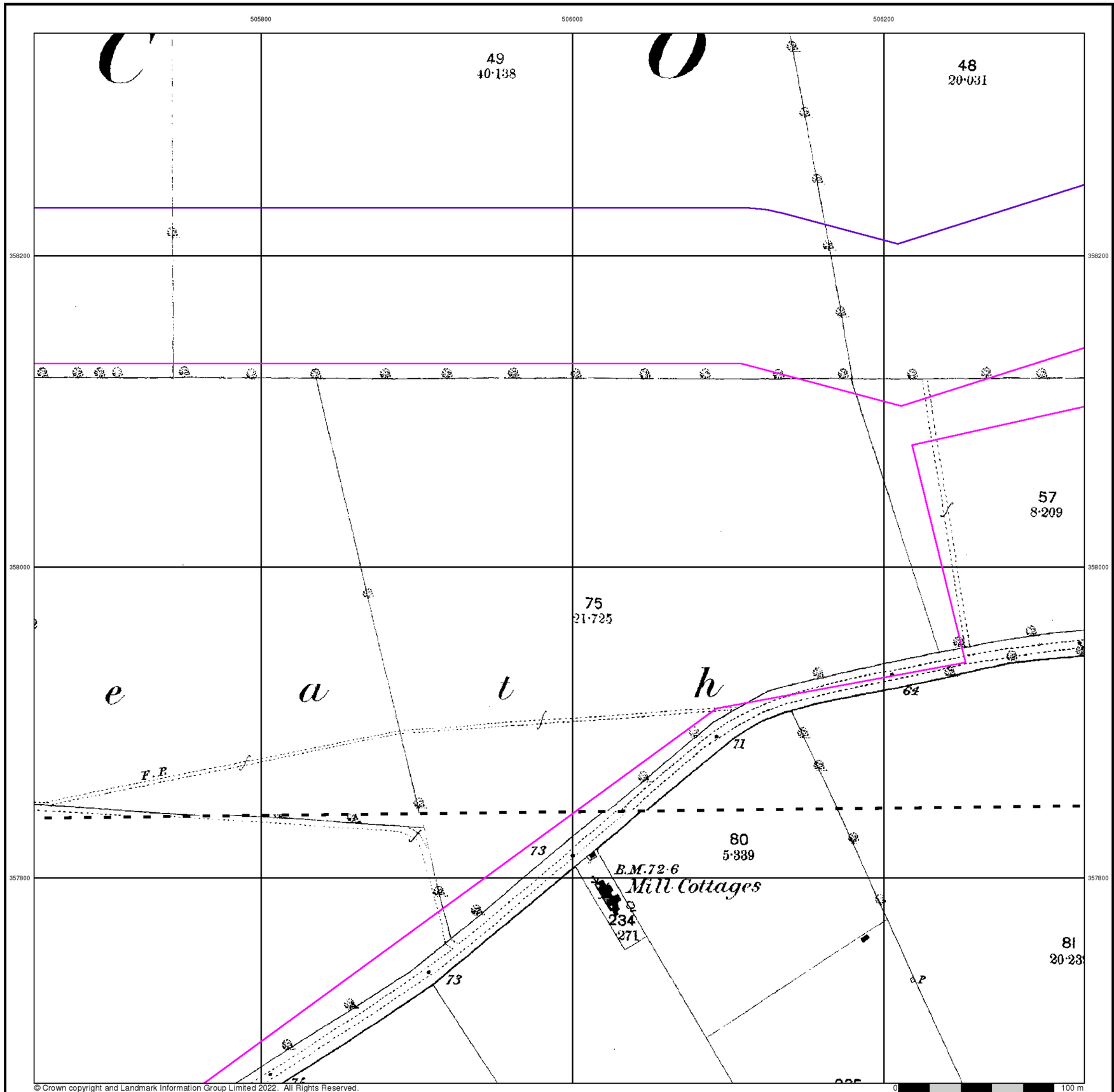

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0 100 m

RSK

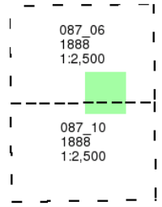
Lincolnshire

Published 1888

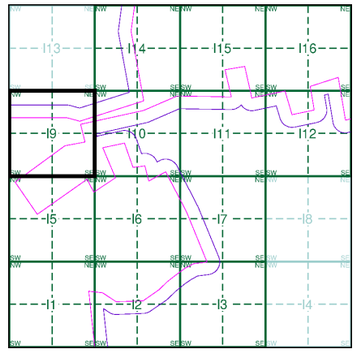
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment I9



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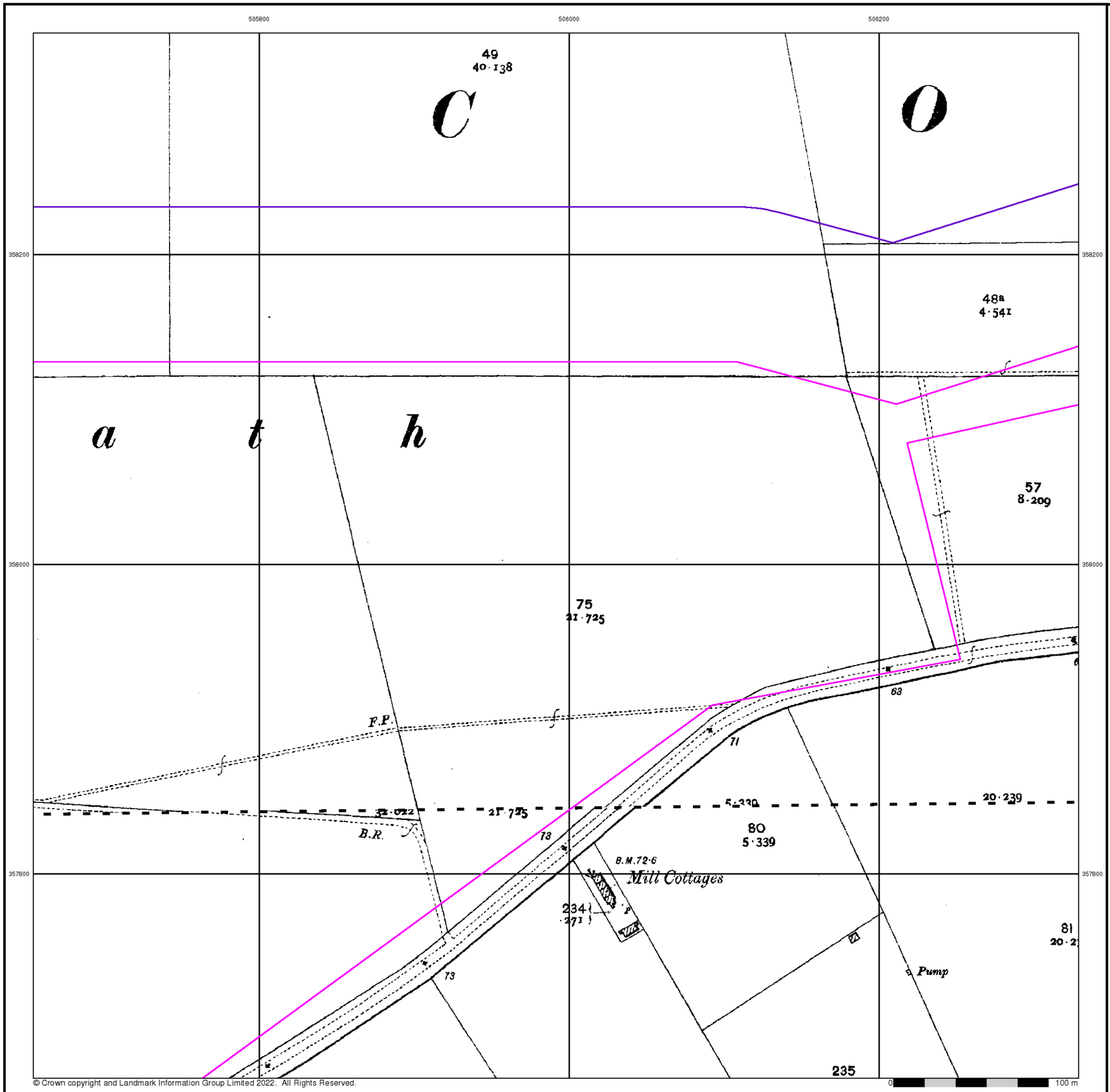

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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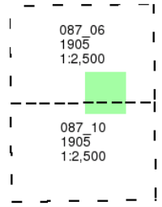
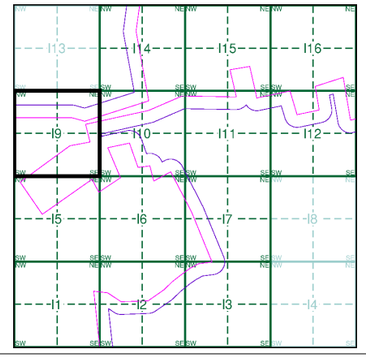


Historical Map - Segment I9



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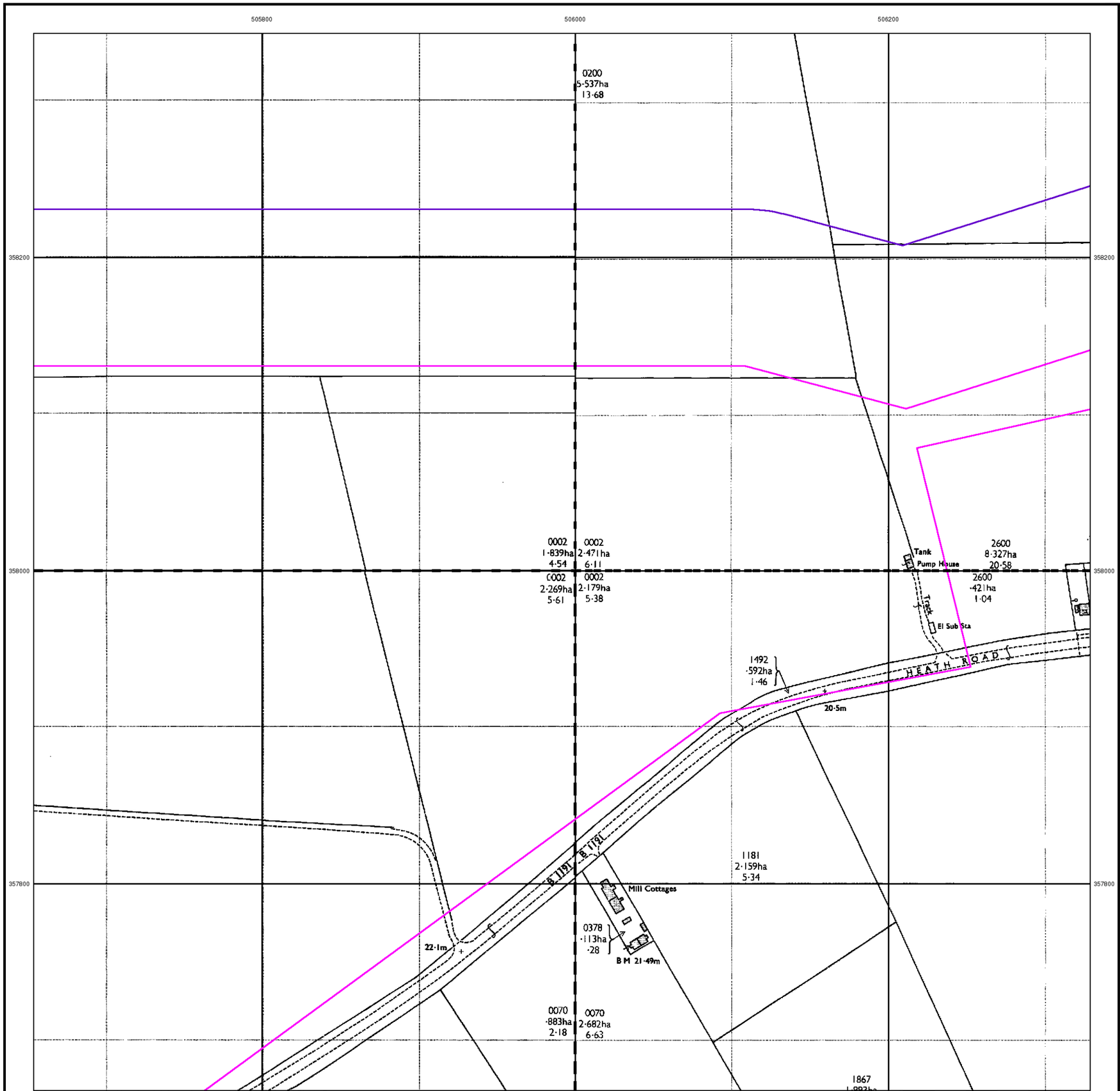

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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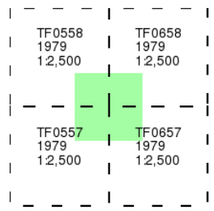
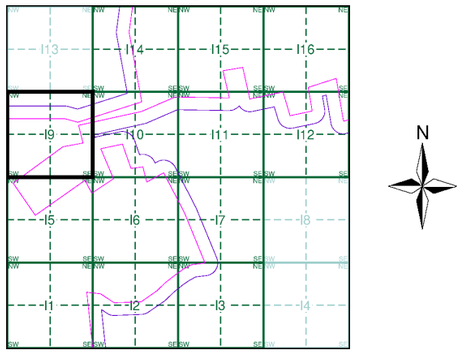


Historical Map - Segment I9



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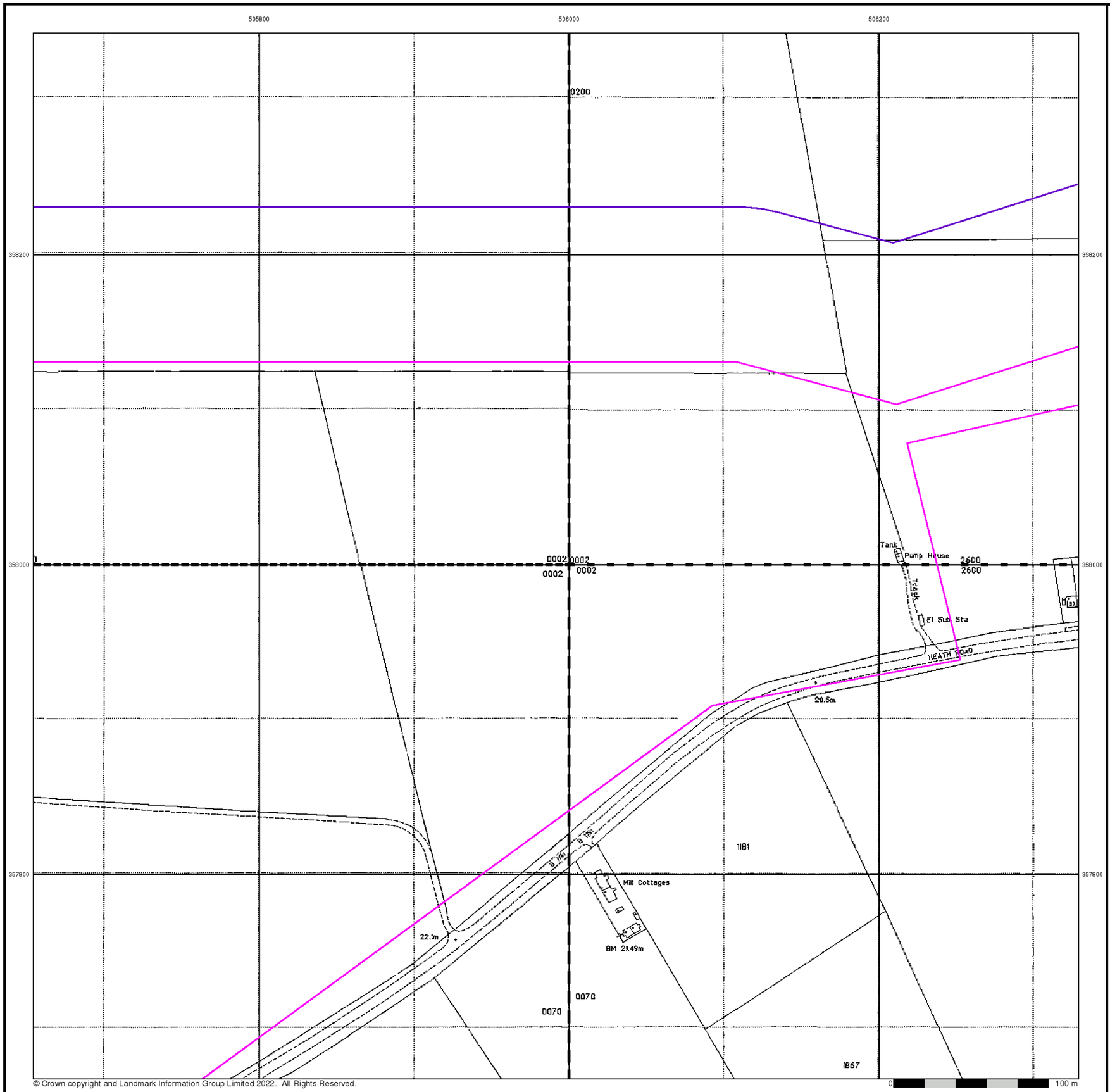

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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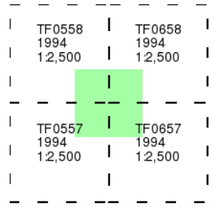
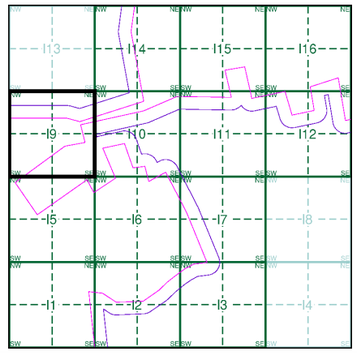


Historical Map - Segment I9



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Site Details

All Areas New

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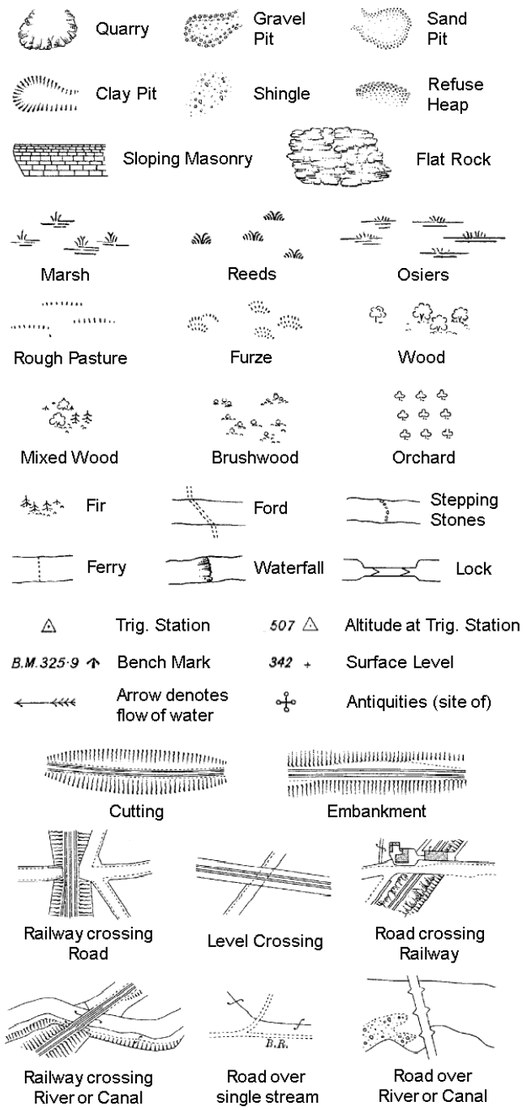
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

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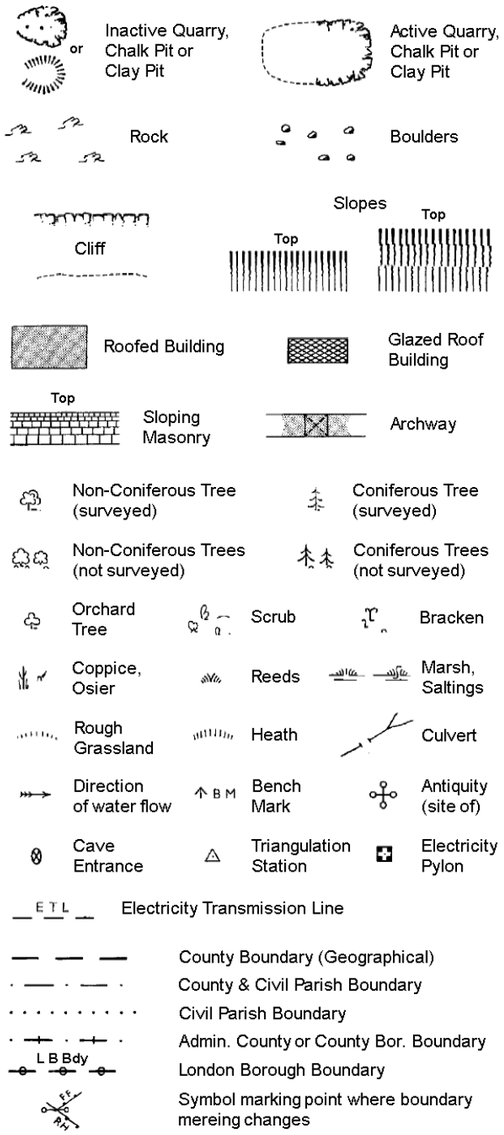
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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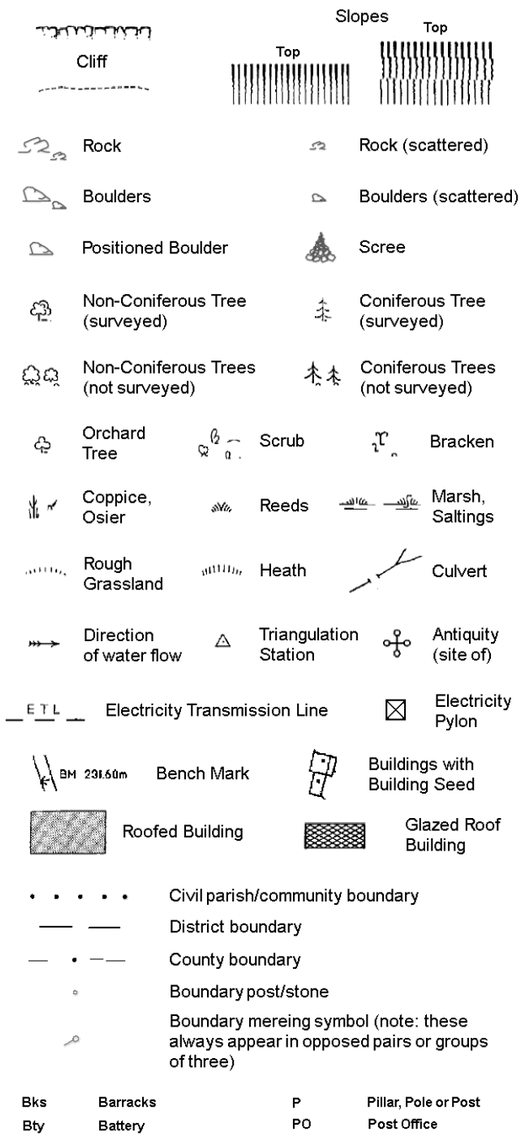
Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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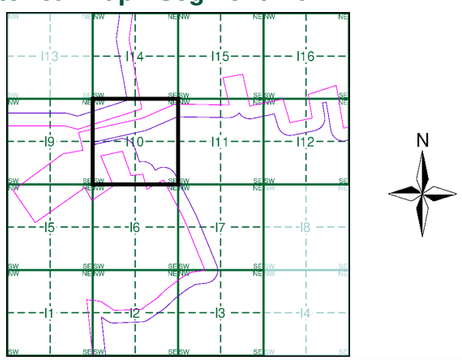
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I10



Order Details

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Slice: I
Site Area (Ha): 1774.17
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Site Details

All Areas New

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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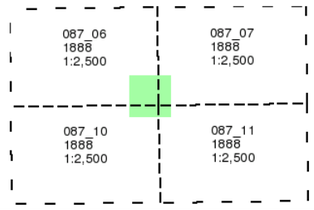
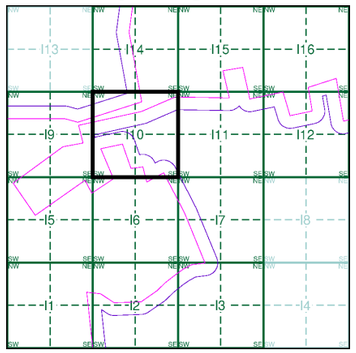


Historical Map - Segment I10



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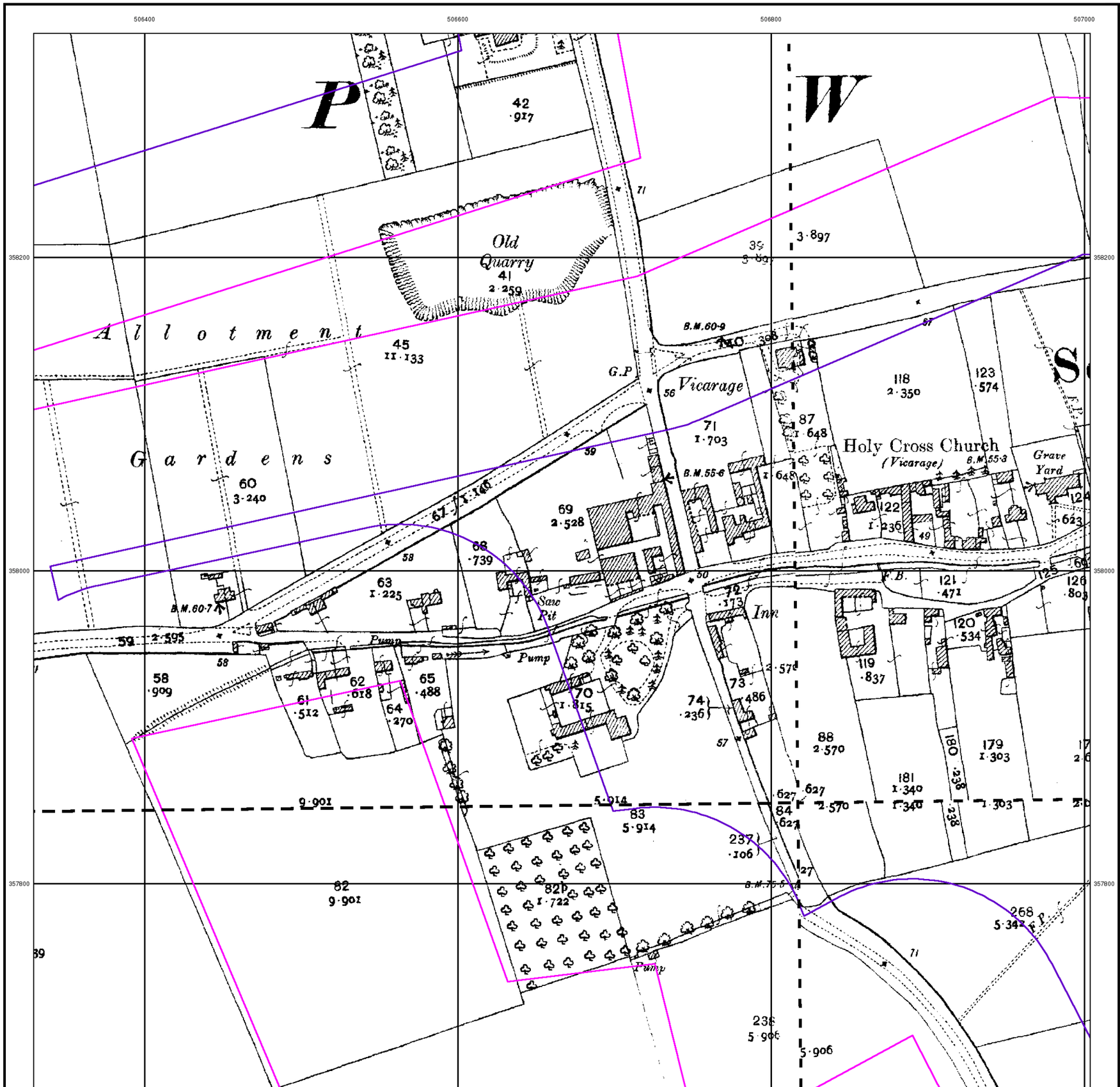

Lincolnshire

Published 1905

Source map scale - 1:2,500

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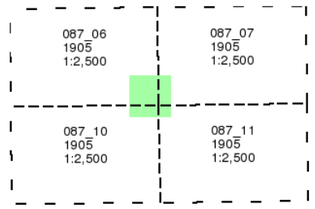

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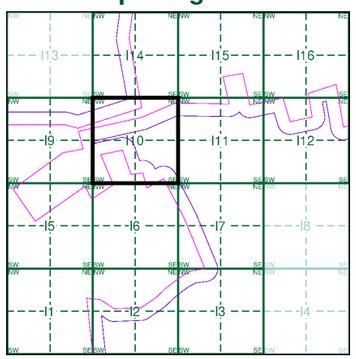

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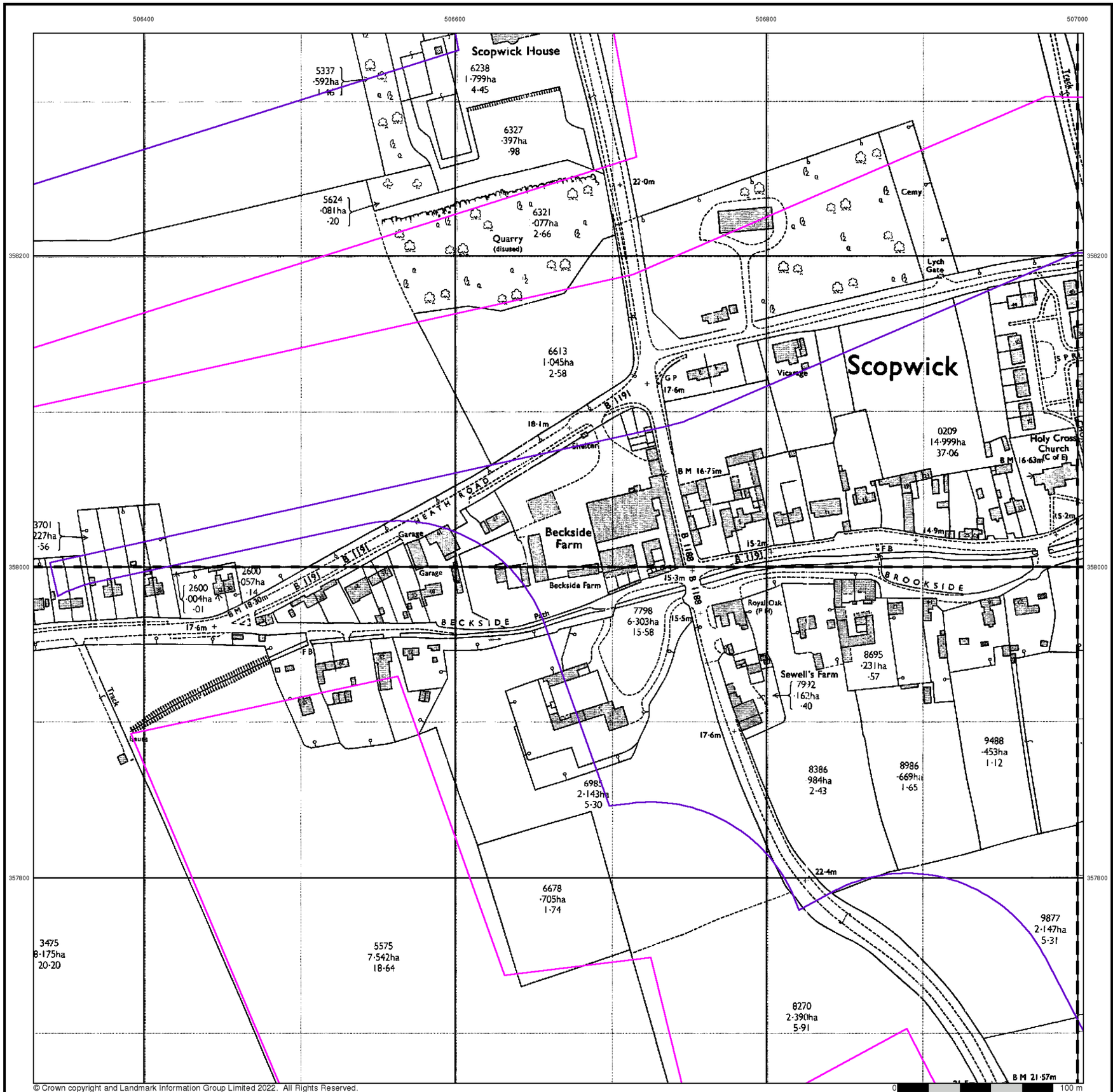

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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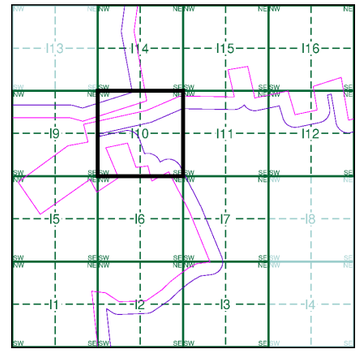
Map Name(s) and Date(s)

TF0658 1979 1:2,500	TF0758 1979 1:2,500
TF0657 1979 1:2,500	TF0757 1979 1:2,500

Historical Map - Segment I10



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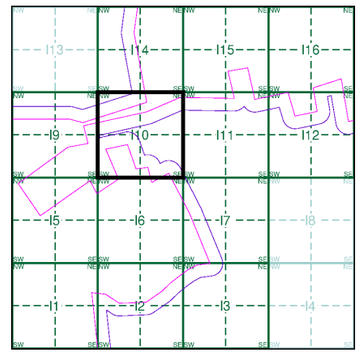
Map Name(s) and Date(s)

TF0658 1994 1:2,500	TF0758 1994 1:2,500
TF0657 1994 1:2,500	TF0757 1994 1:2,500

Historical Map - Segment I10



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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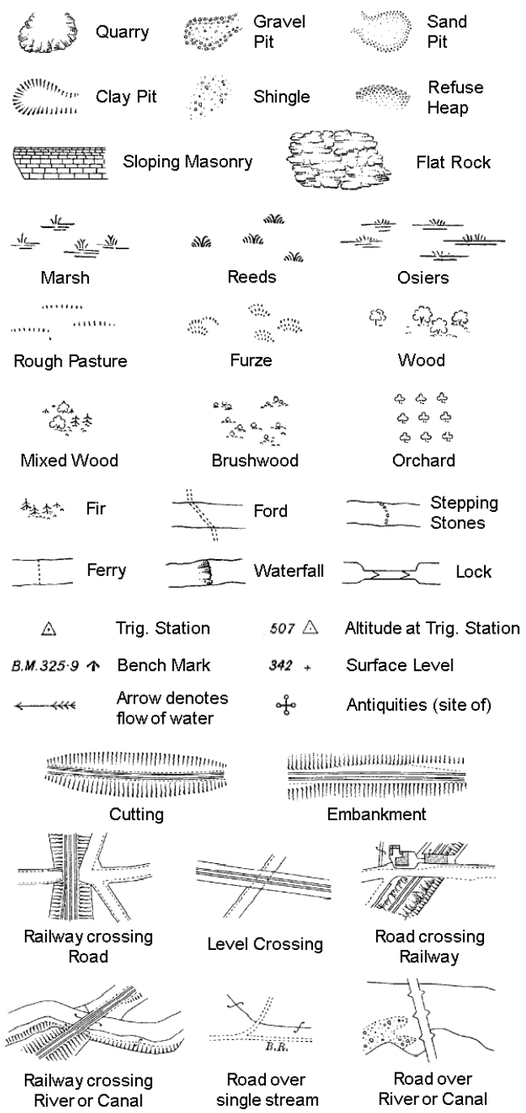
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
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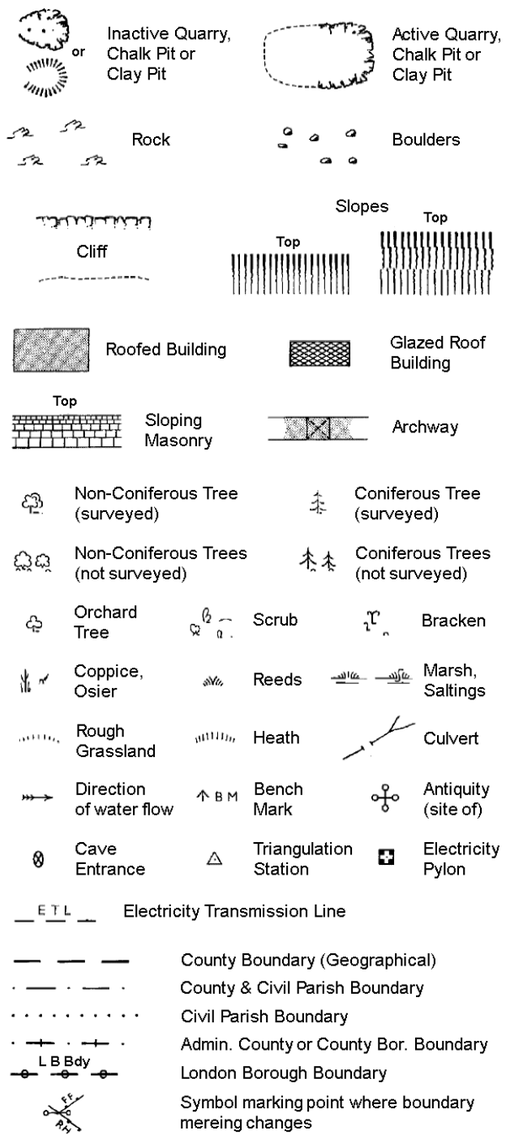
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
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Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

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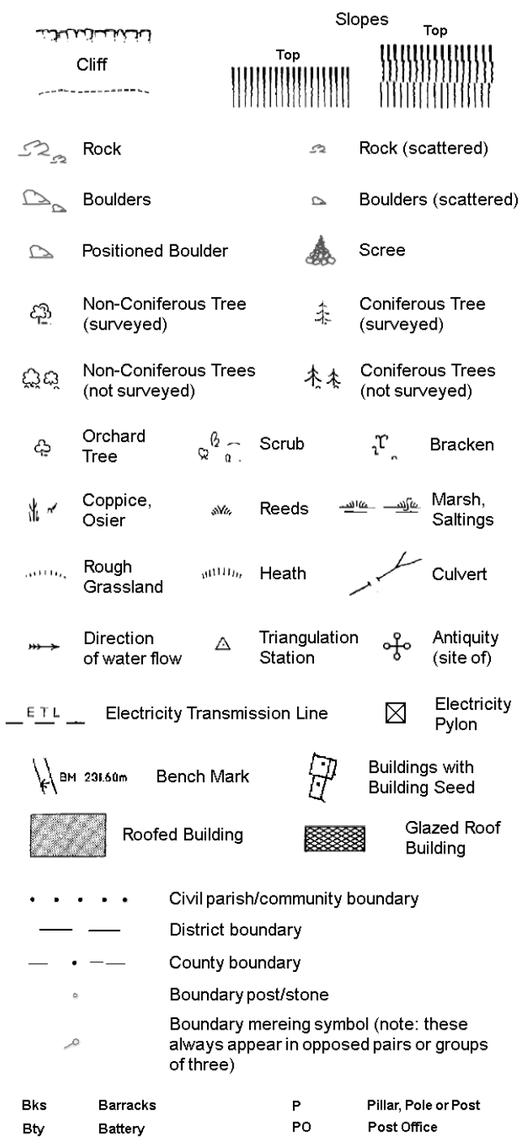
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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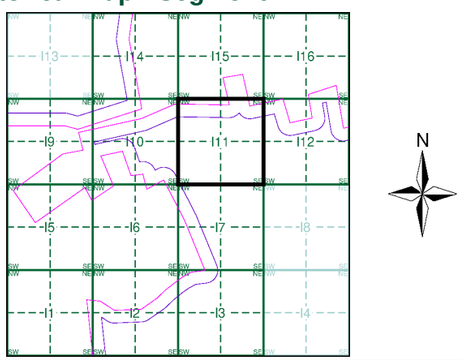
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I11



Order Details

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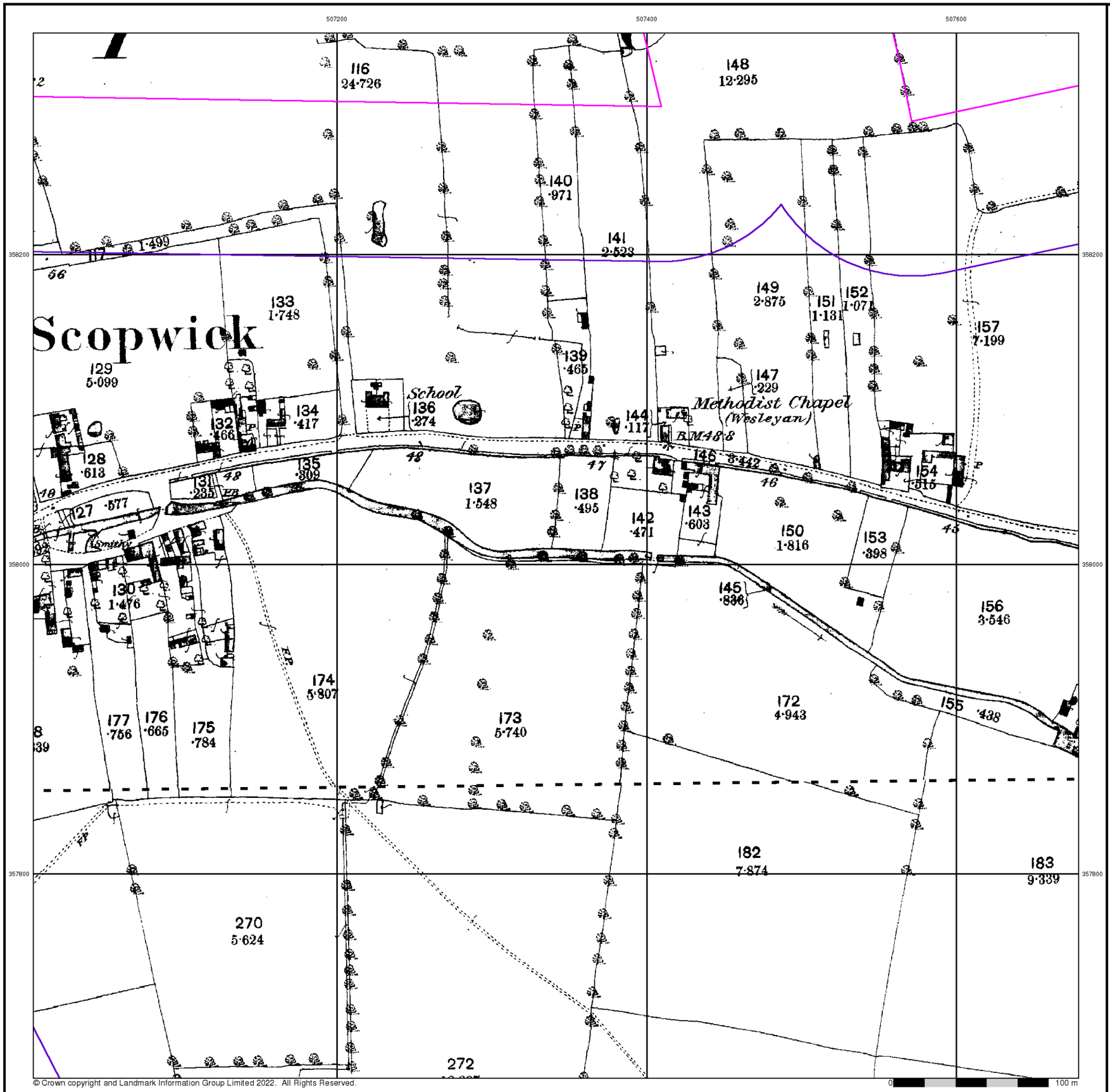

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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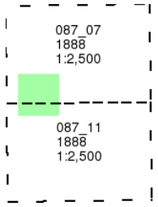
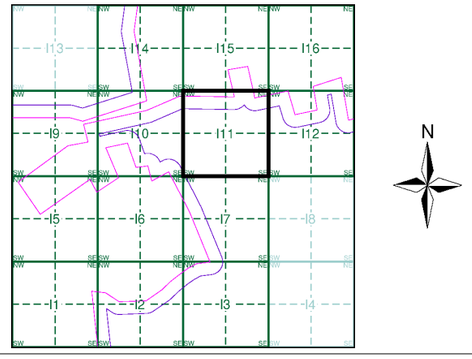
Map Name(s) and Date(s)



Historical Map - Segment I11



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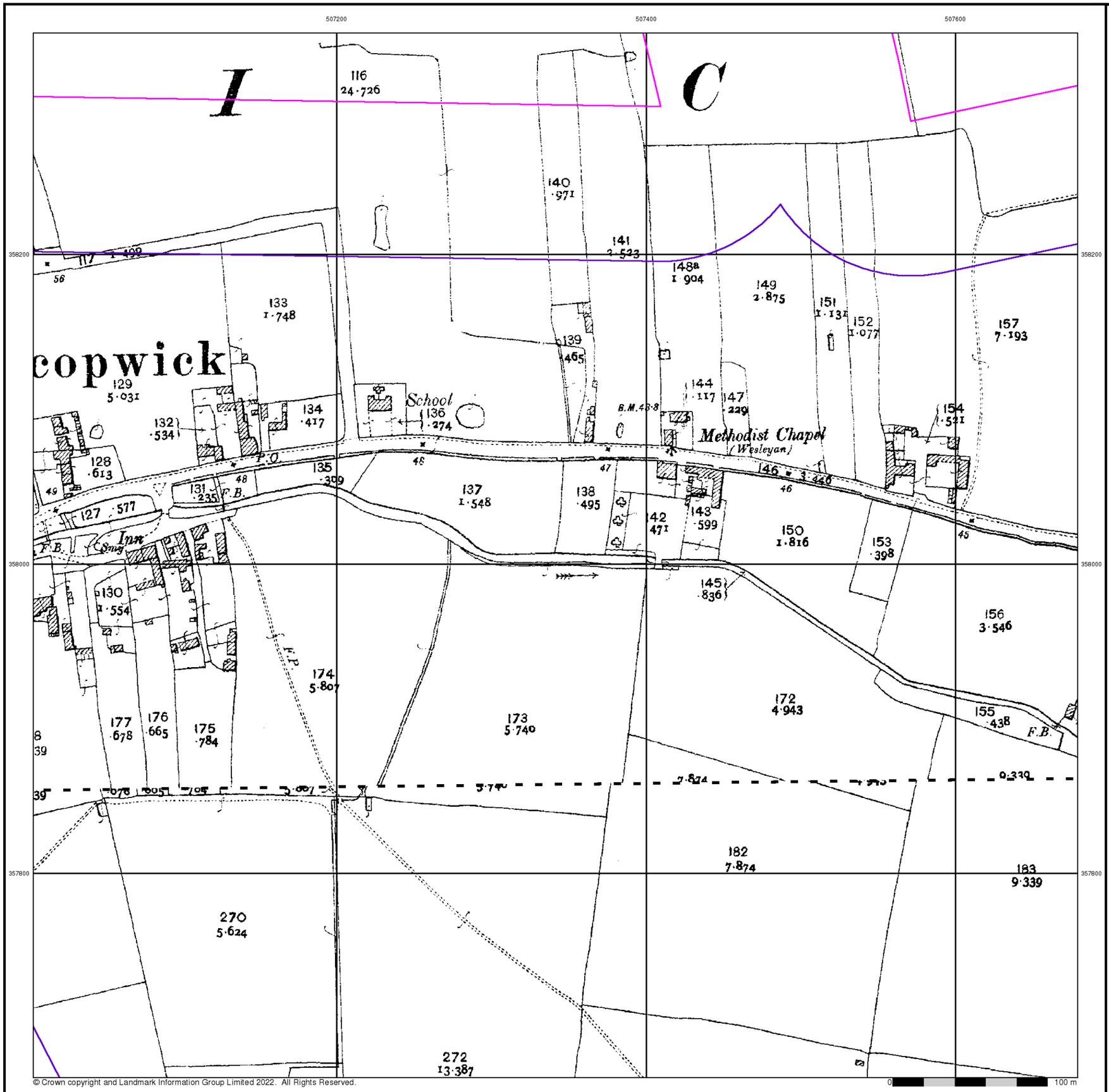

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Lincolnshire

Published 1905

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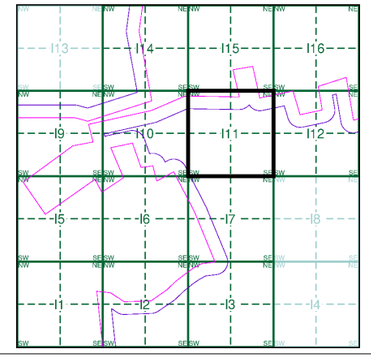
Map Name(s) and Date(s)

087_07
1905
1:2,500

087_11
1905
1:2,500

Historical Map - Segment I11



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Ordnance Survey Plan

Published 1979

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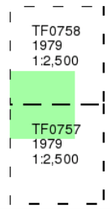
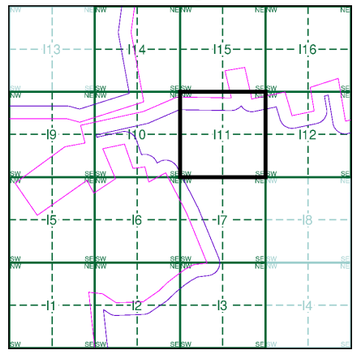


Historical Map - Segment I11



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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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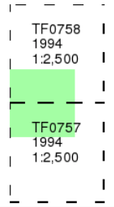
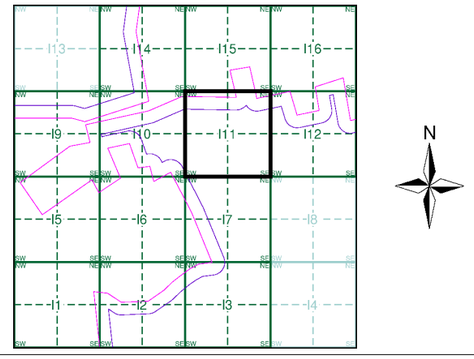


Historical Map - Segment I11



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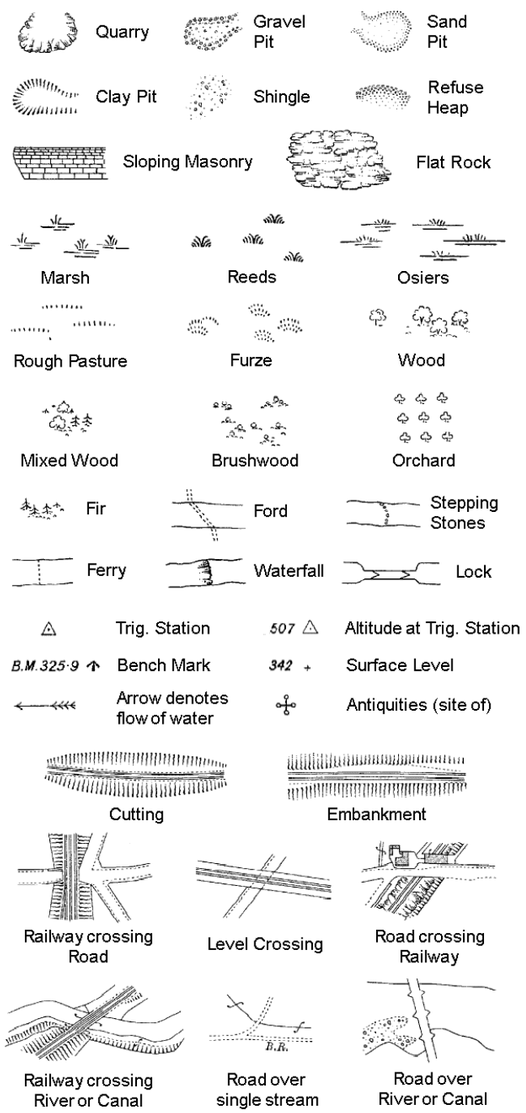
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

Administrative County & Civil Parish Boundary

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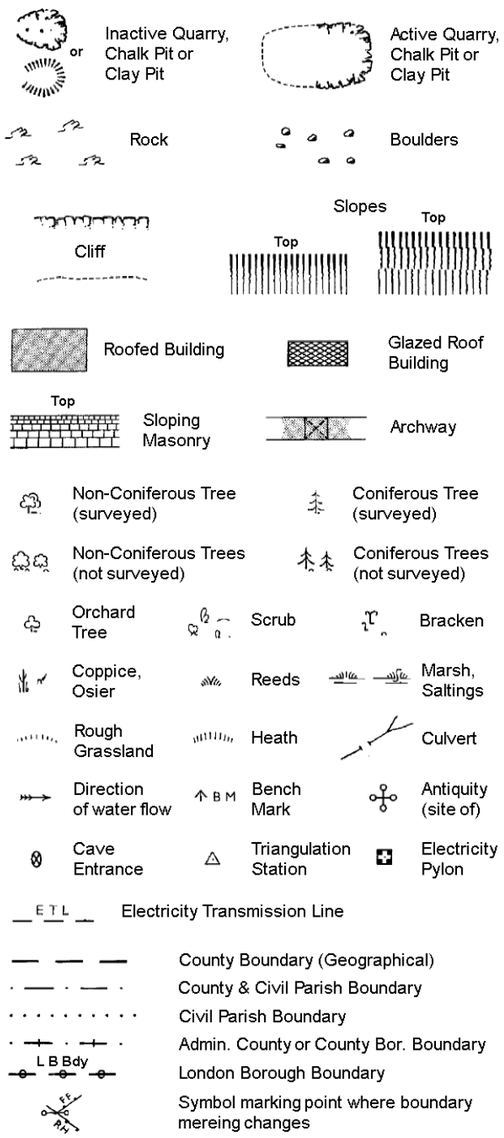
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

Admin. County or County Bor. Boundary

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Symbol marking point where boundary mereing changes

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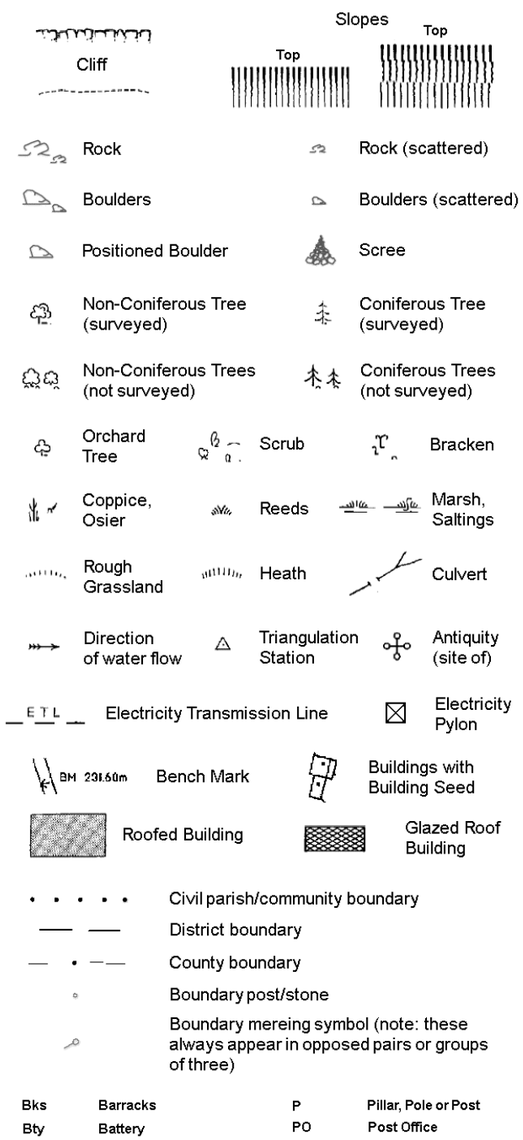
Large-Scale National Grid Data 1:2,500 and 1:1,250



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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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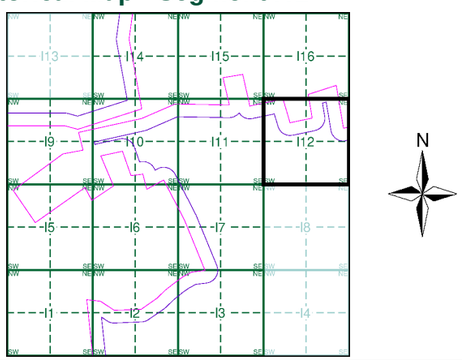
Historical Map - Segment I12



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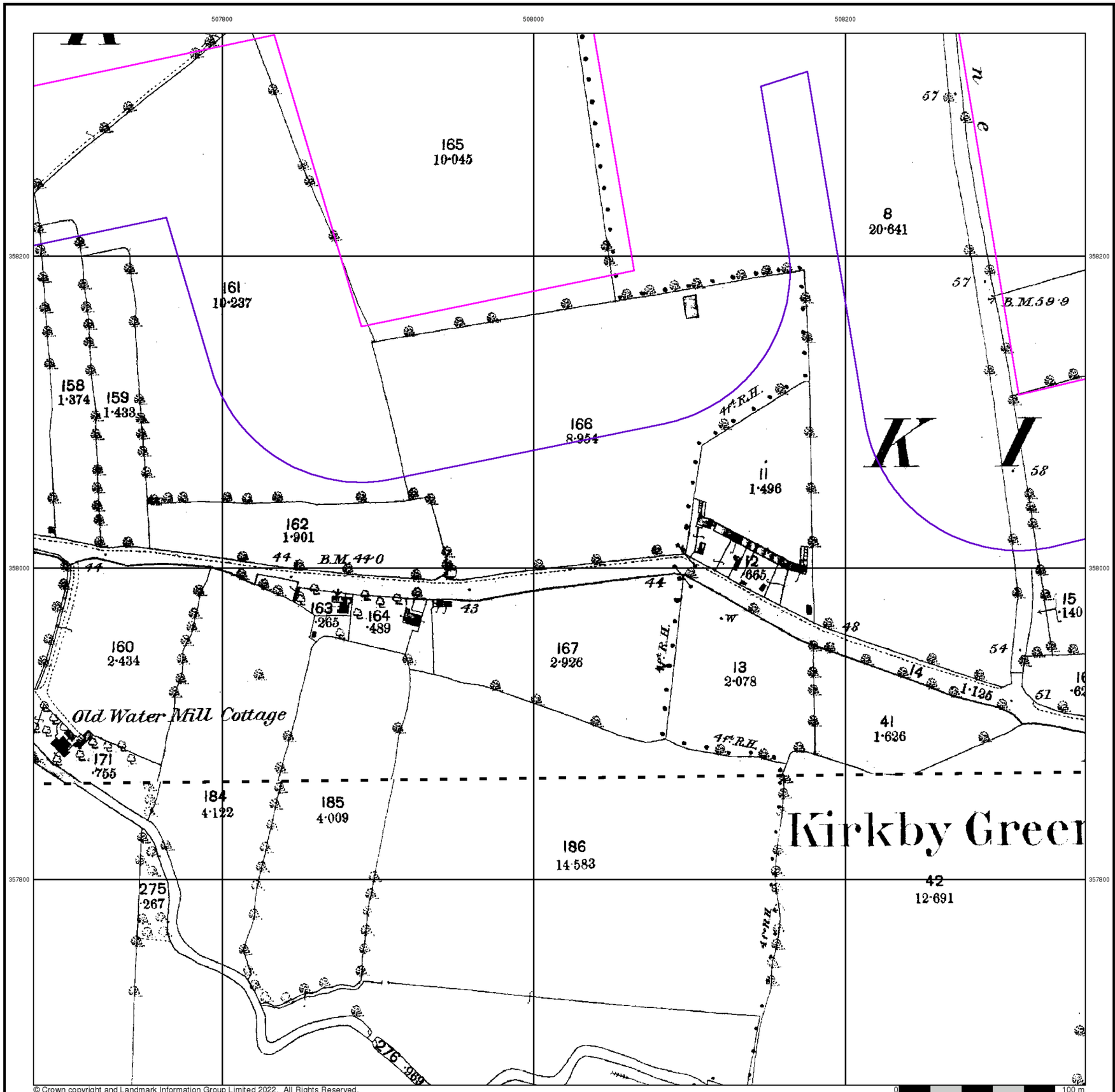

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Lincolnshire

Published 1888

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087_07
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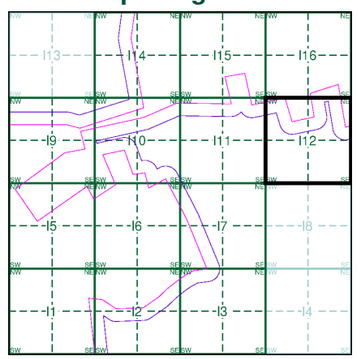
1:2,500

087_11
1888
1:2,500

Historical Map - Segment I12



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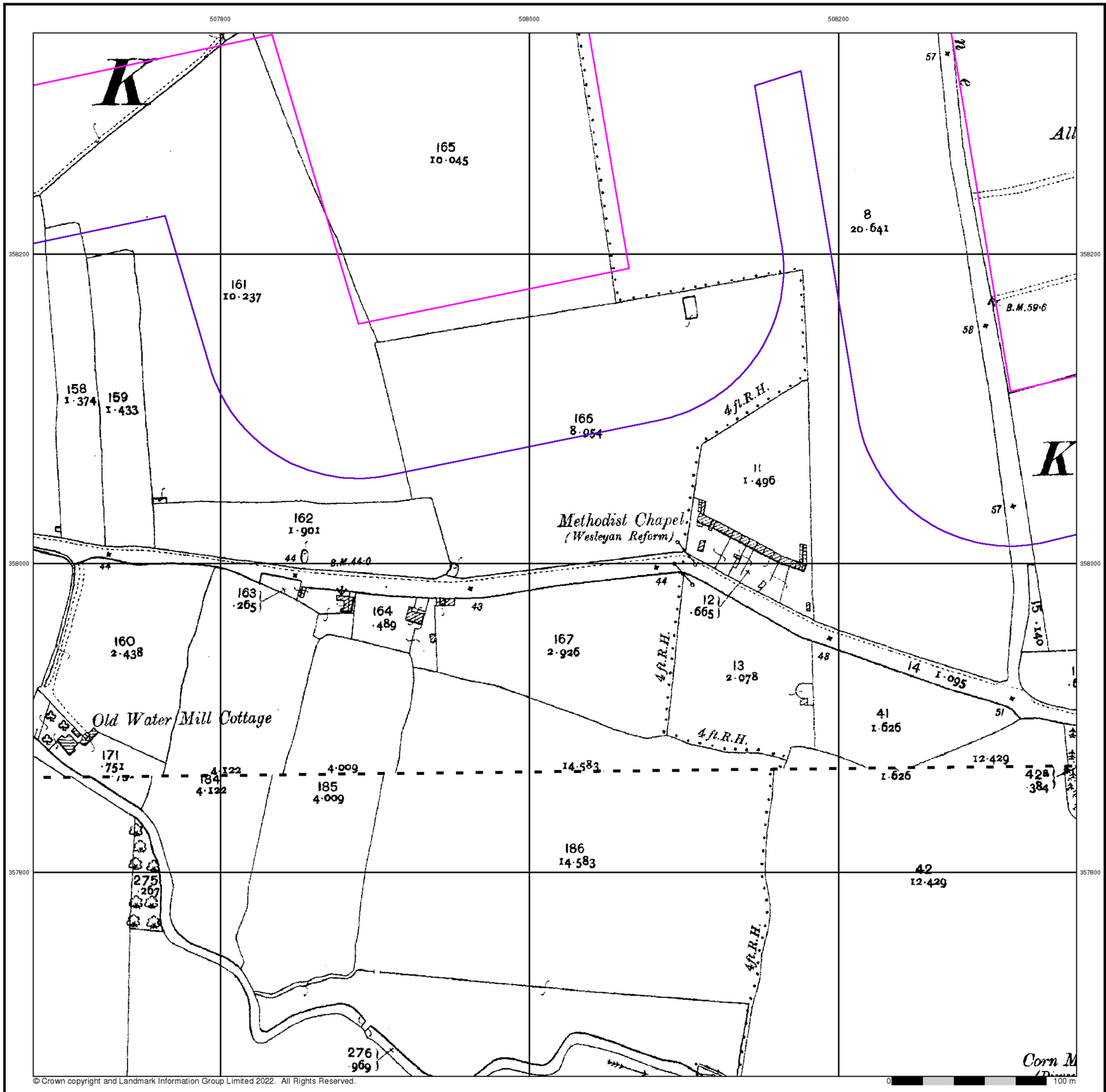

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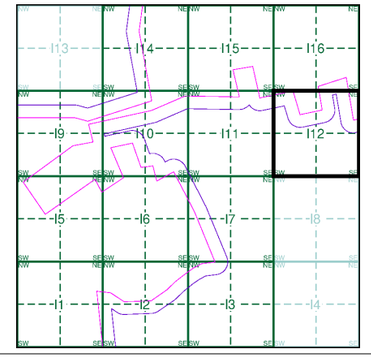

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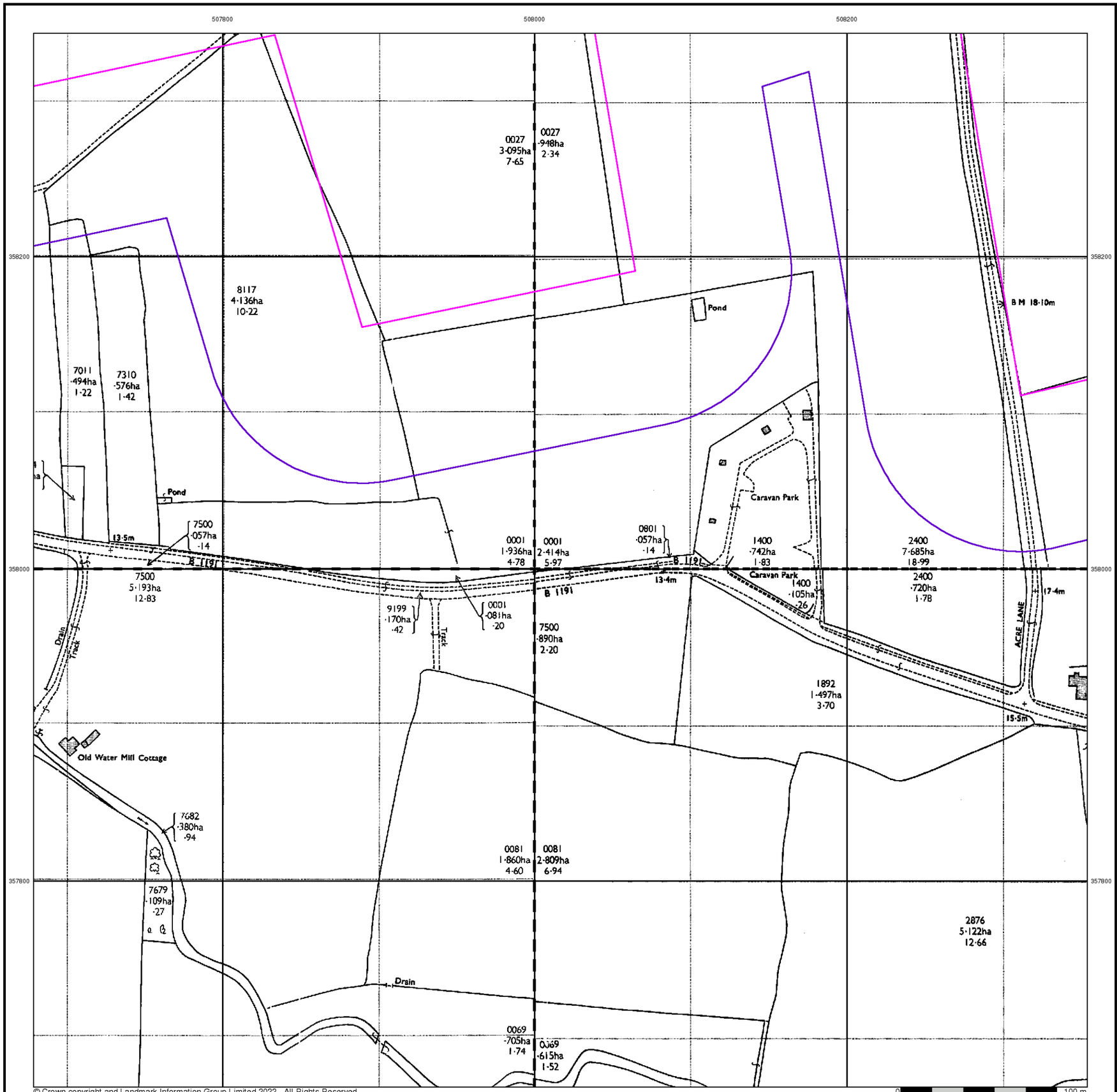

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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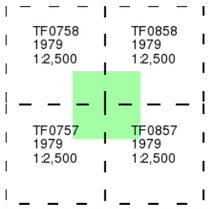

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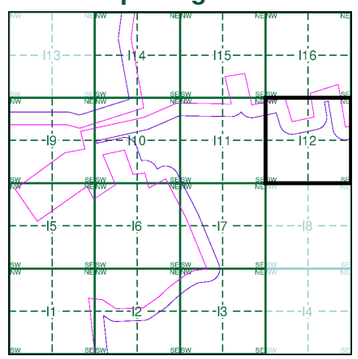

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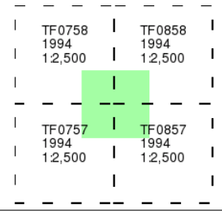
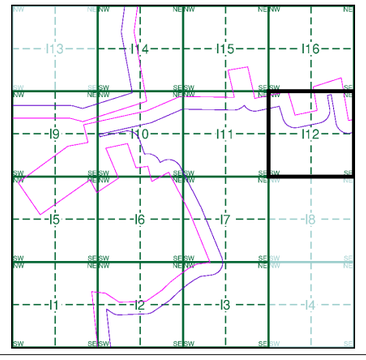


Historical Map - Segment I12



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP

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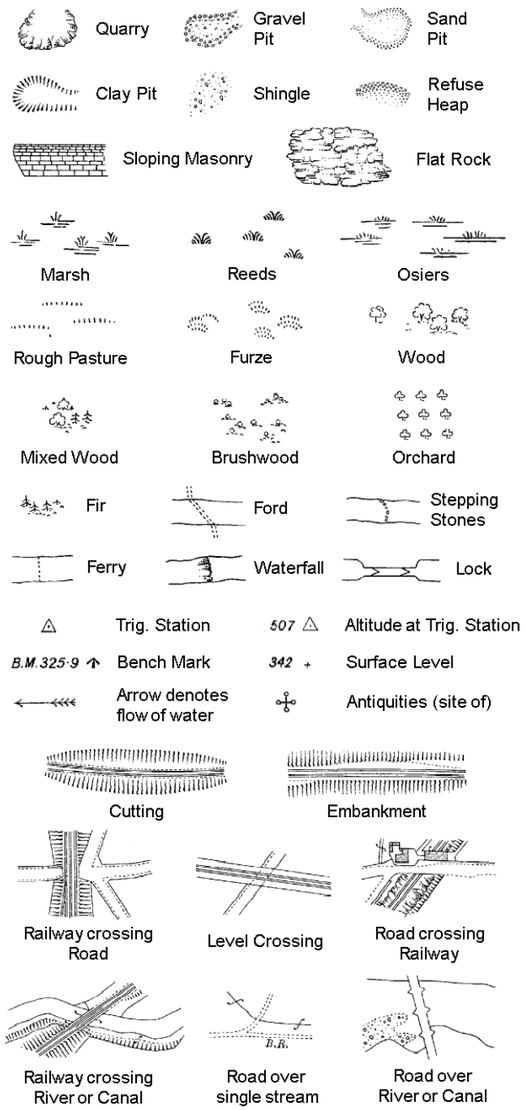
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

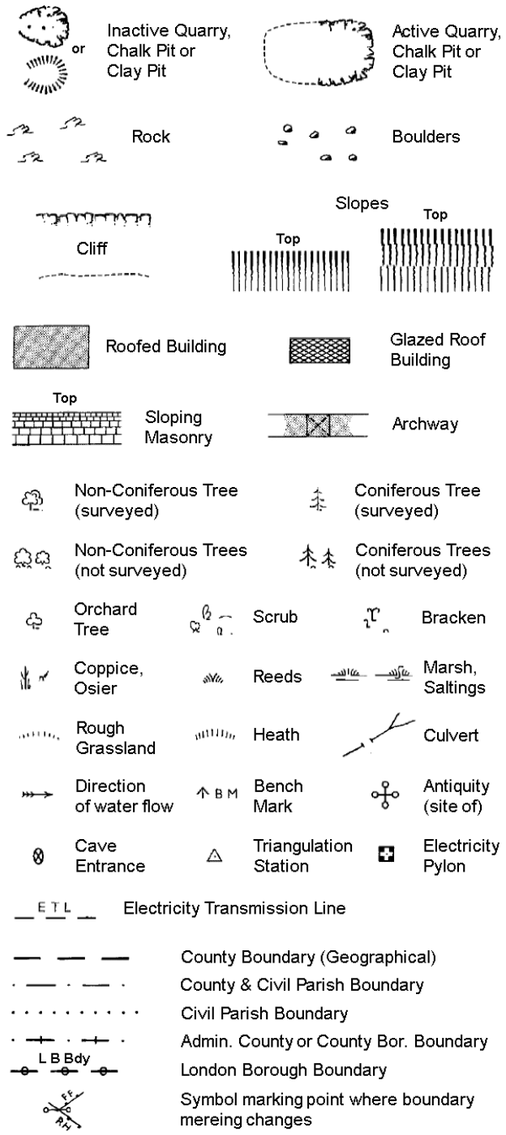
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

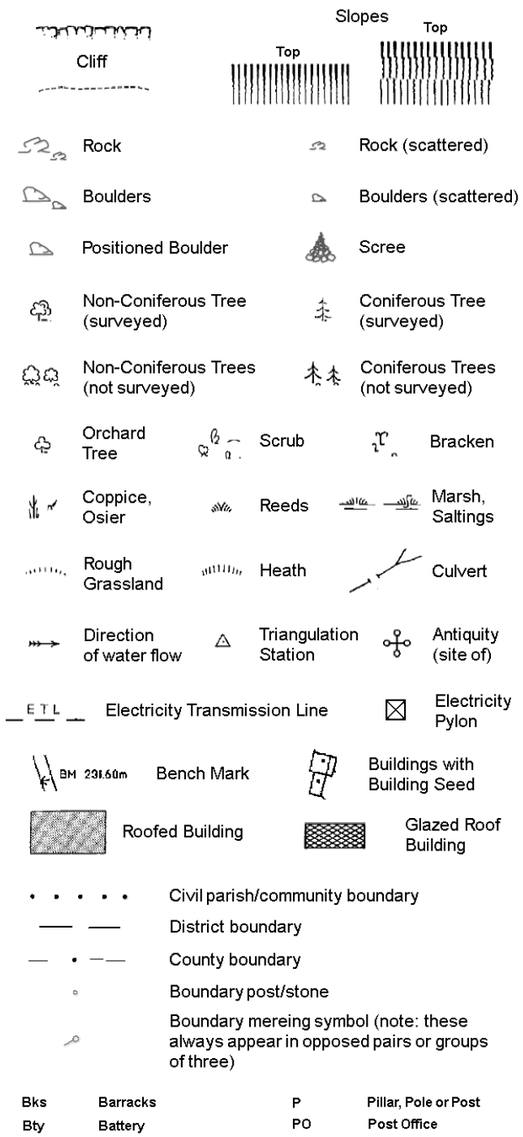
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

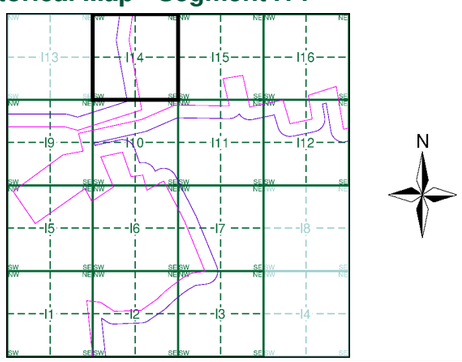
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I14



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506980, 357690
Slice: I
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP

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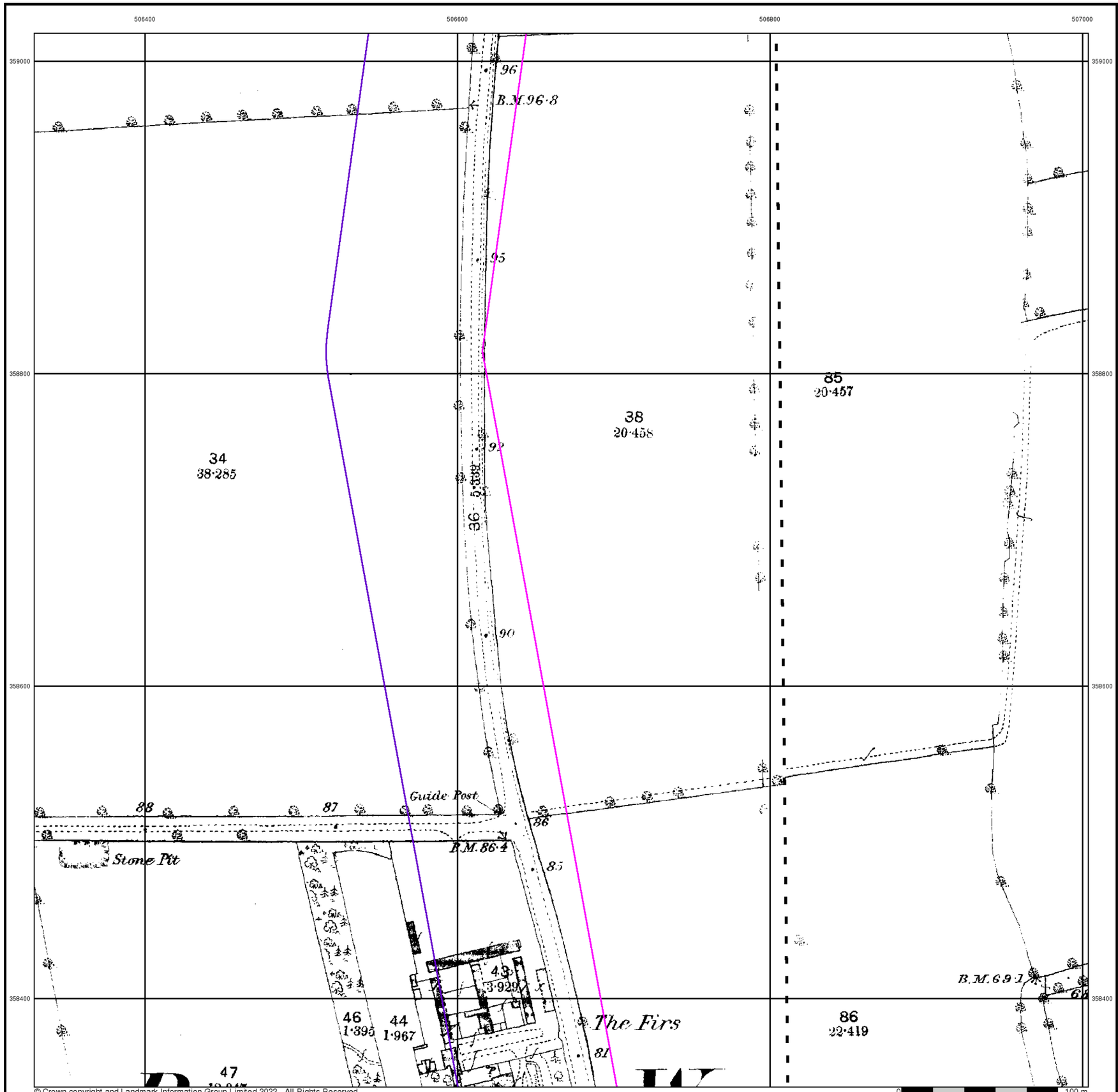


RSK

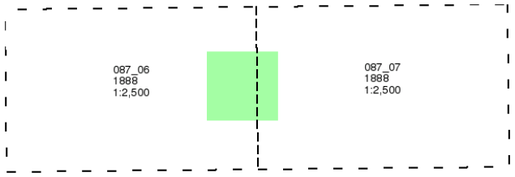
Lincolnshire

Published 1888

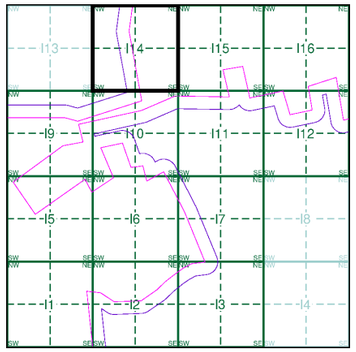
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment I14



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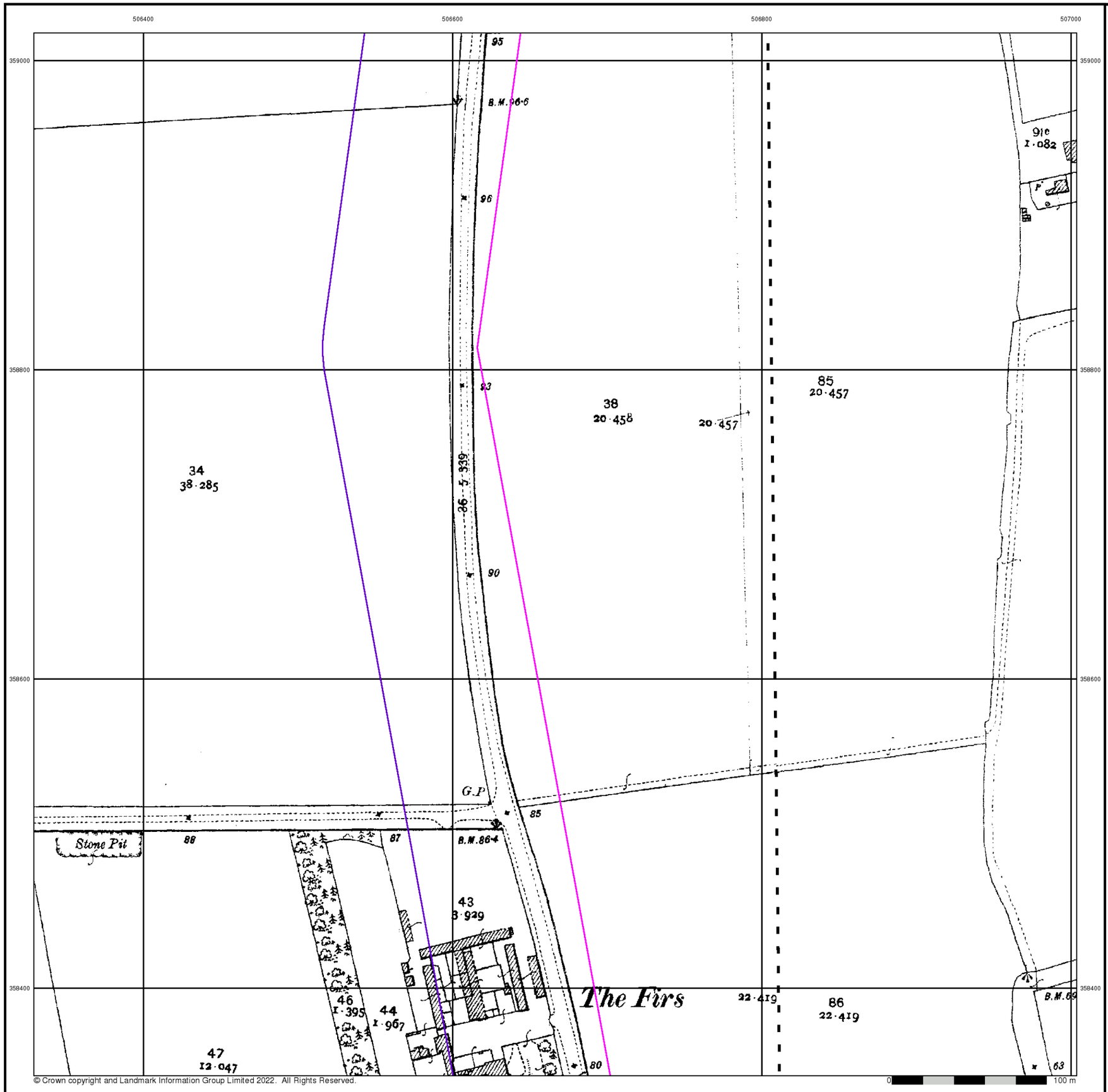

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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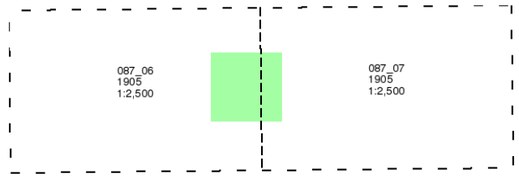
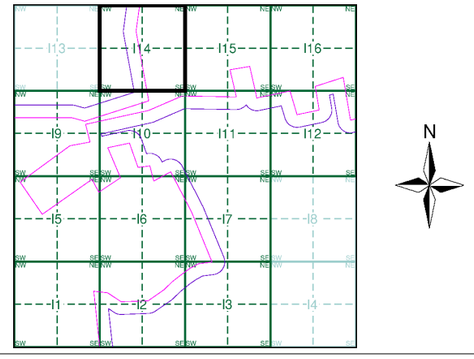


Historical Map - Segment I14



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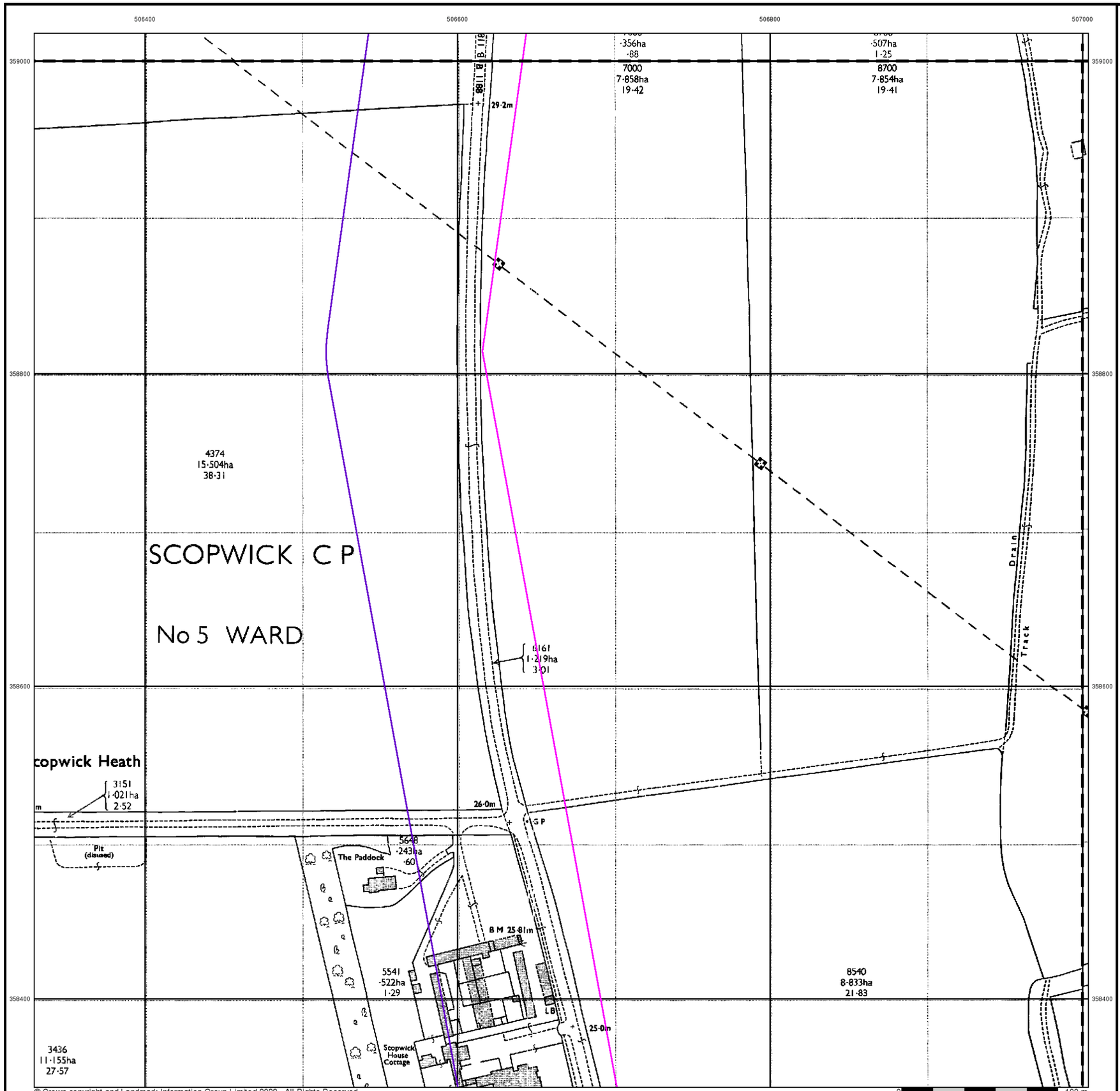

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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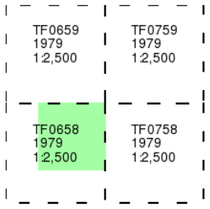
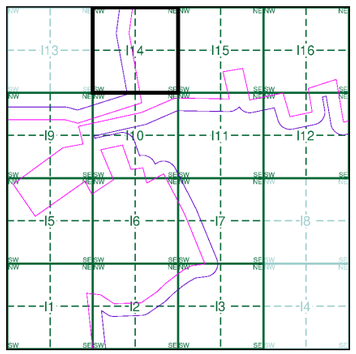
Map Name(s) and Date(s)



Historical Map - Segment I14



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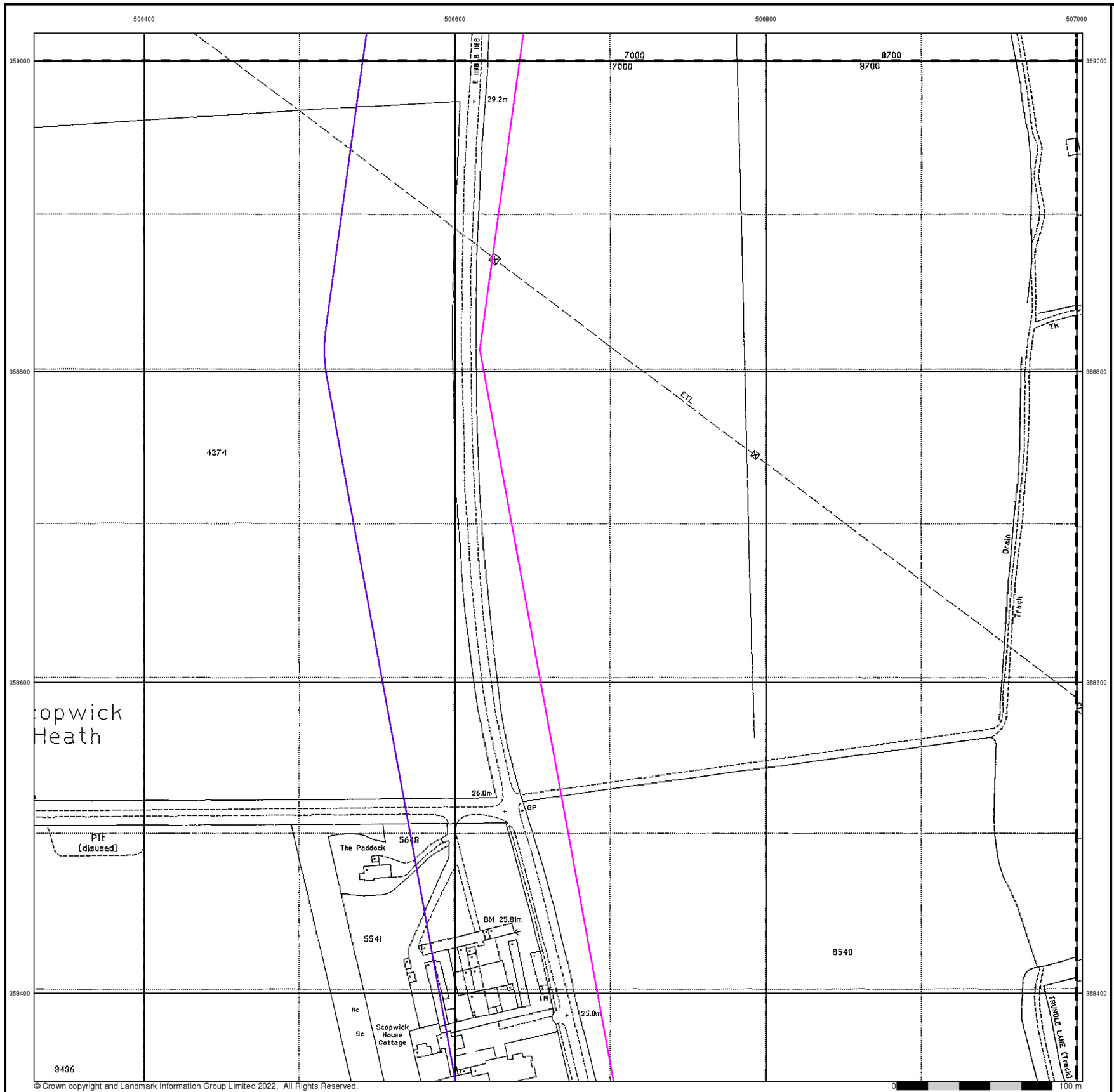

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Large-Scale National Grid Data

Published 1994

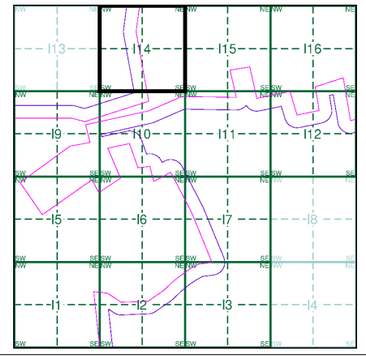
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TF0659 1994 1:2,500	TF0759 1994 1:2,500
TF0658 1994 1:2,500	TF0758 1994 1:2,500

Historical Map - Segment I14



Order Details

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Customer Ref:	P02130089
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Site Details

All Areas New

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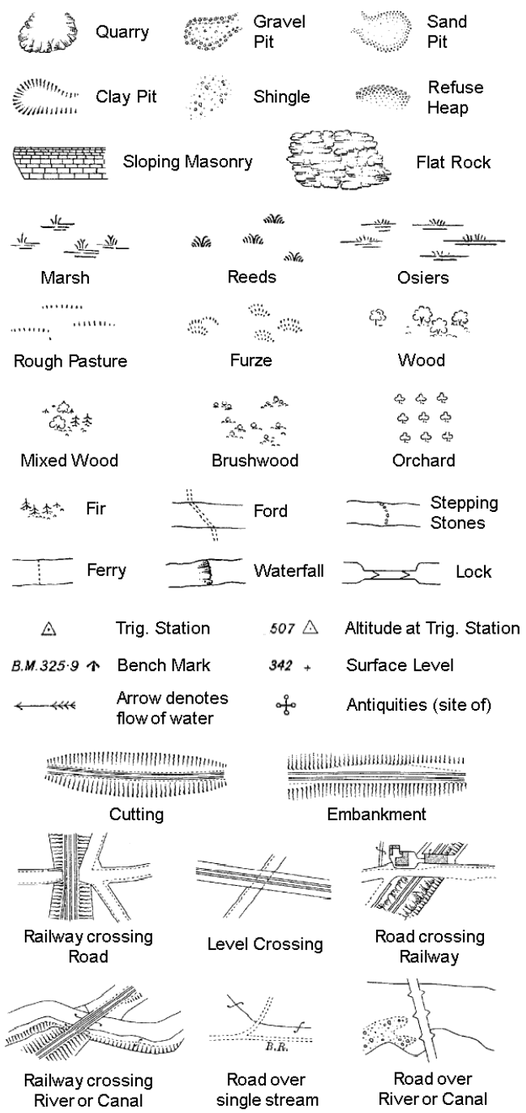
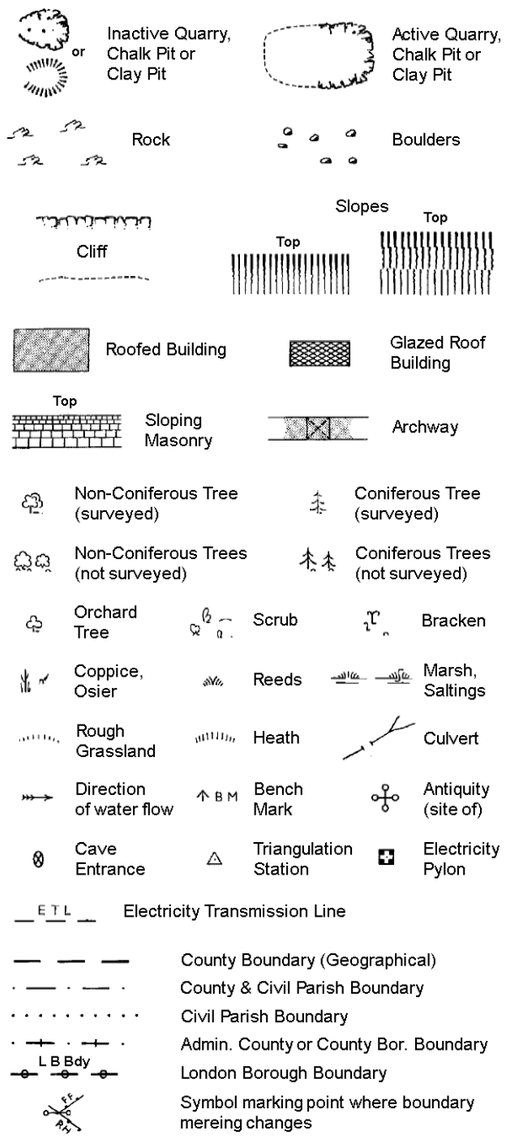
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



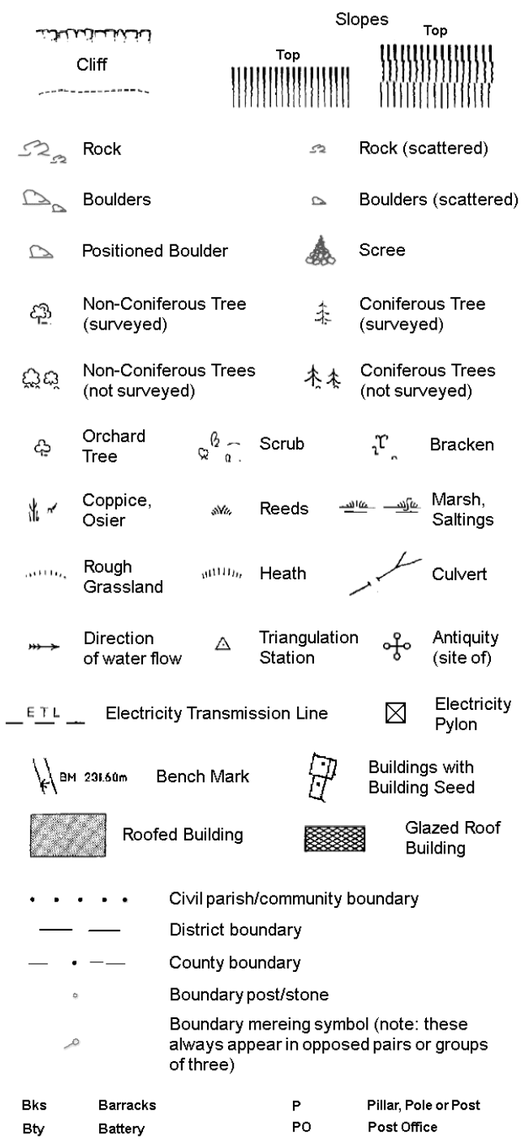
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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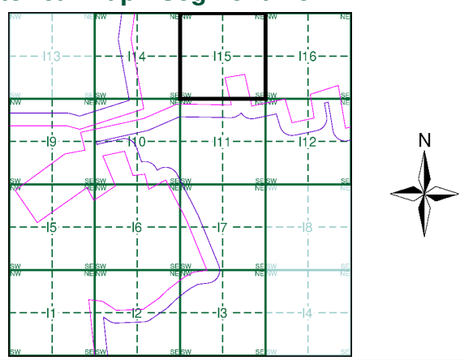
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I15



Order Details

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Slice: I
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Search Buffer (m): 100

Site Details

All Areas New

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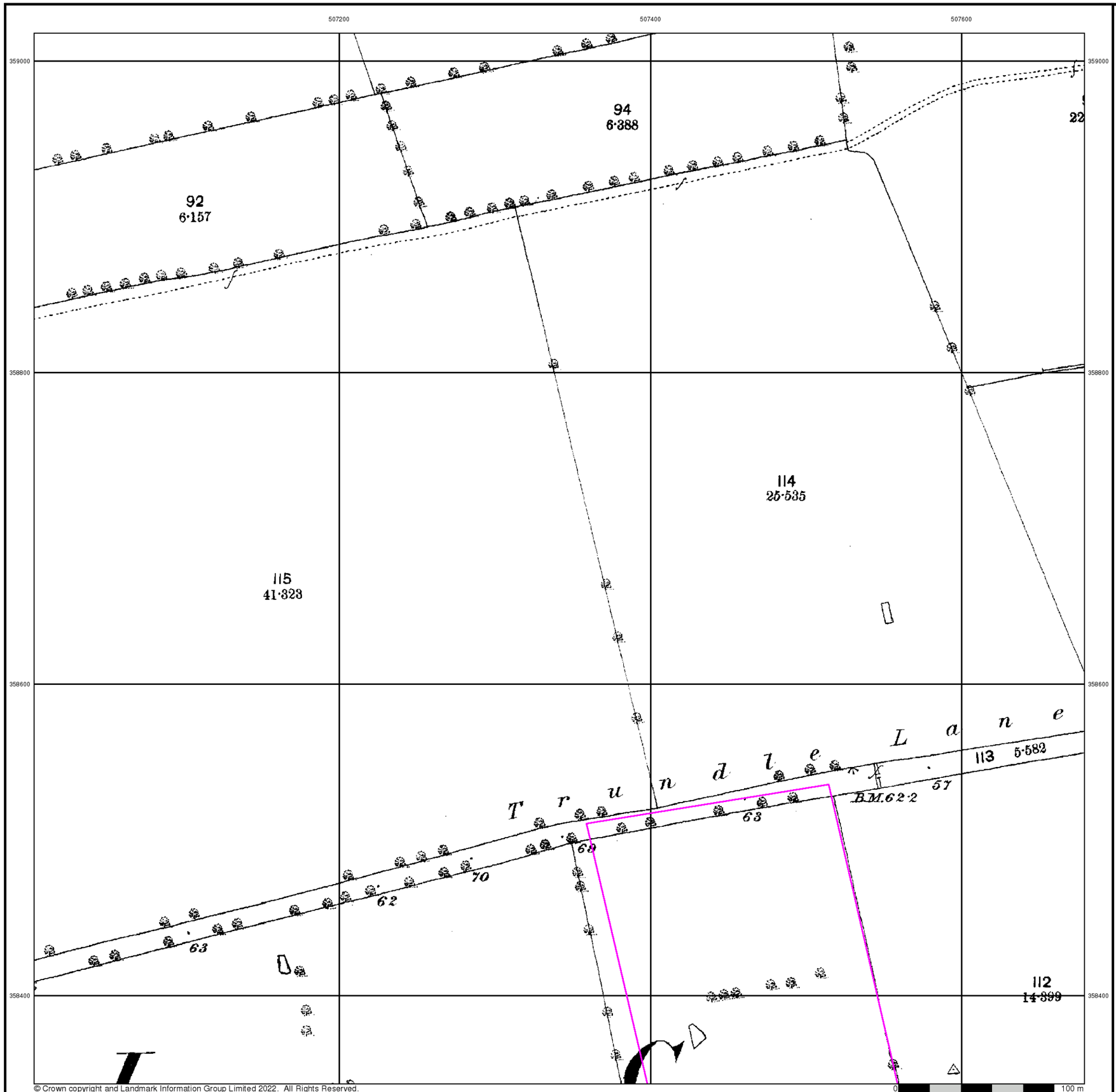

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RSK

Lincolnshire

Published 1888

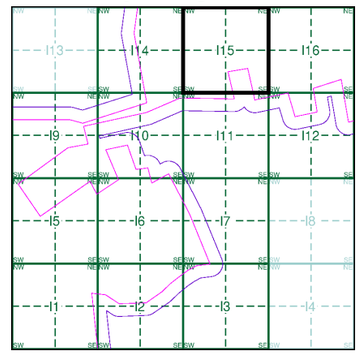
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

087_07
1888
1:2,500

Historical Map - Segment I15



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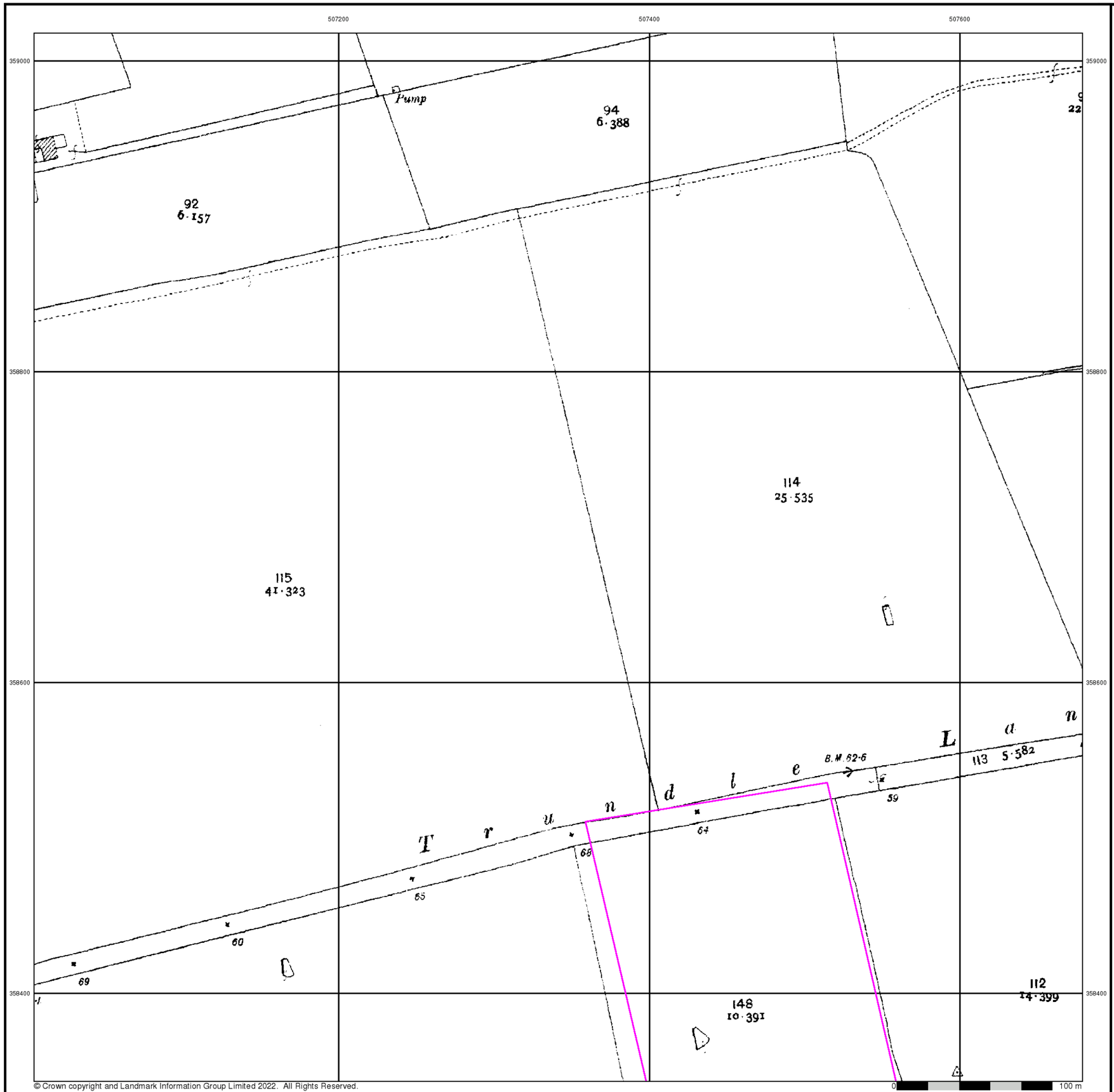

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RSK

Lincolnshire

Published 1905

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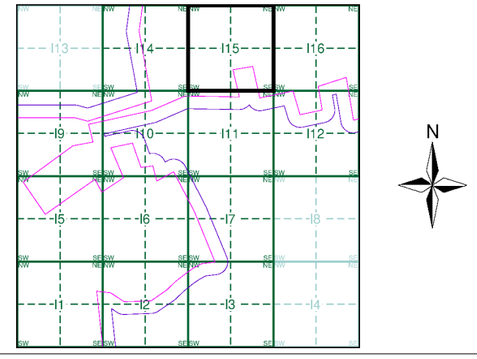
Map Name(s) and Date(s)

087_07
1905
1:2,500

Historical Map - Segment I15



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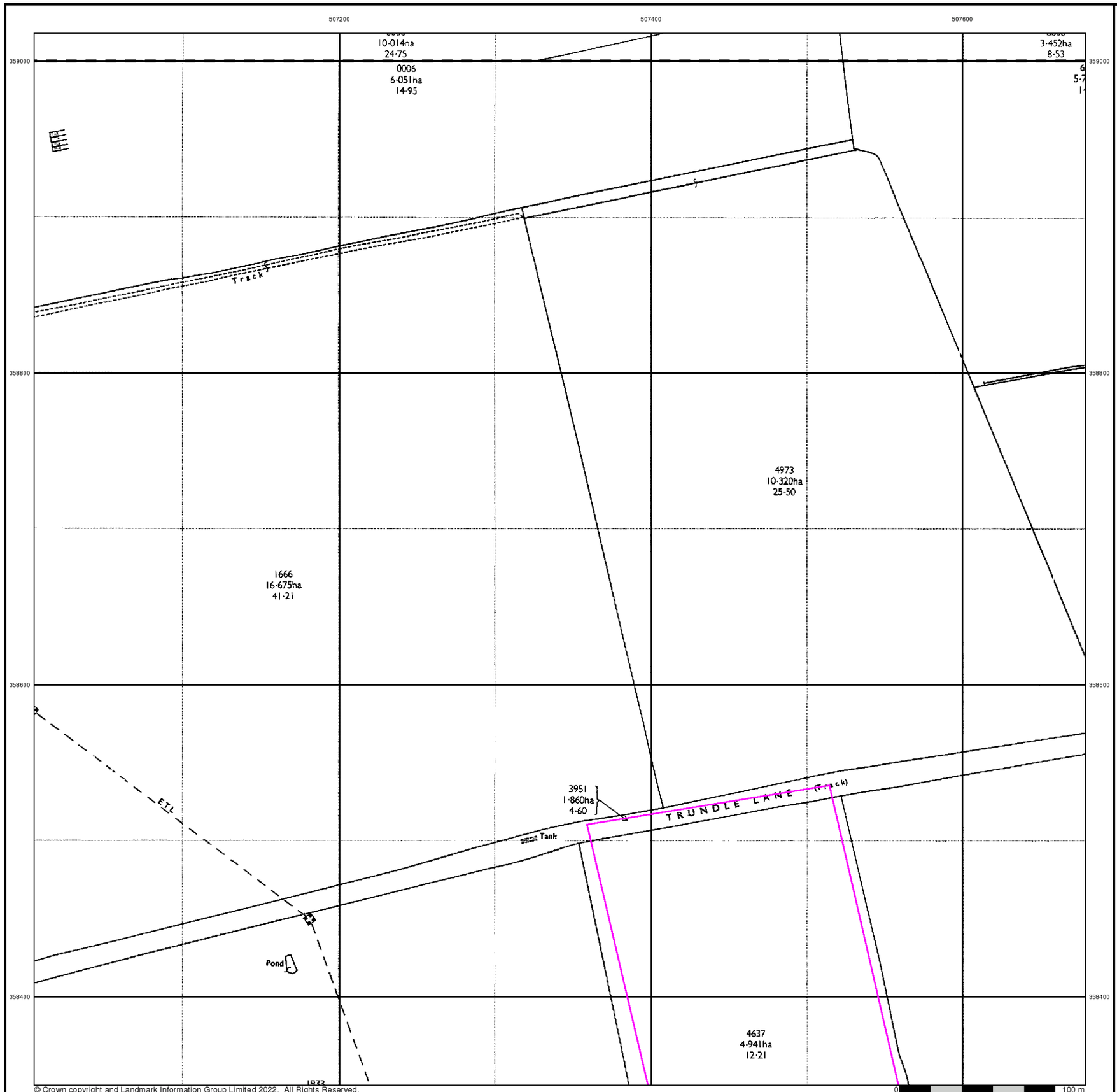

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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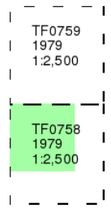
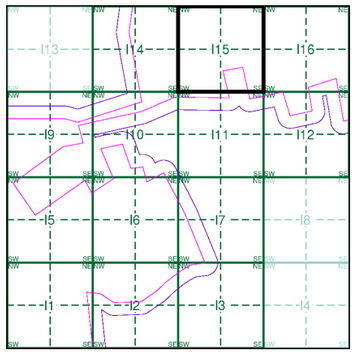


Historical Map - Segment I15



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Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	506980, 357690
Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP
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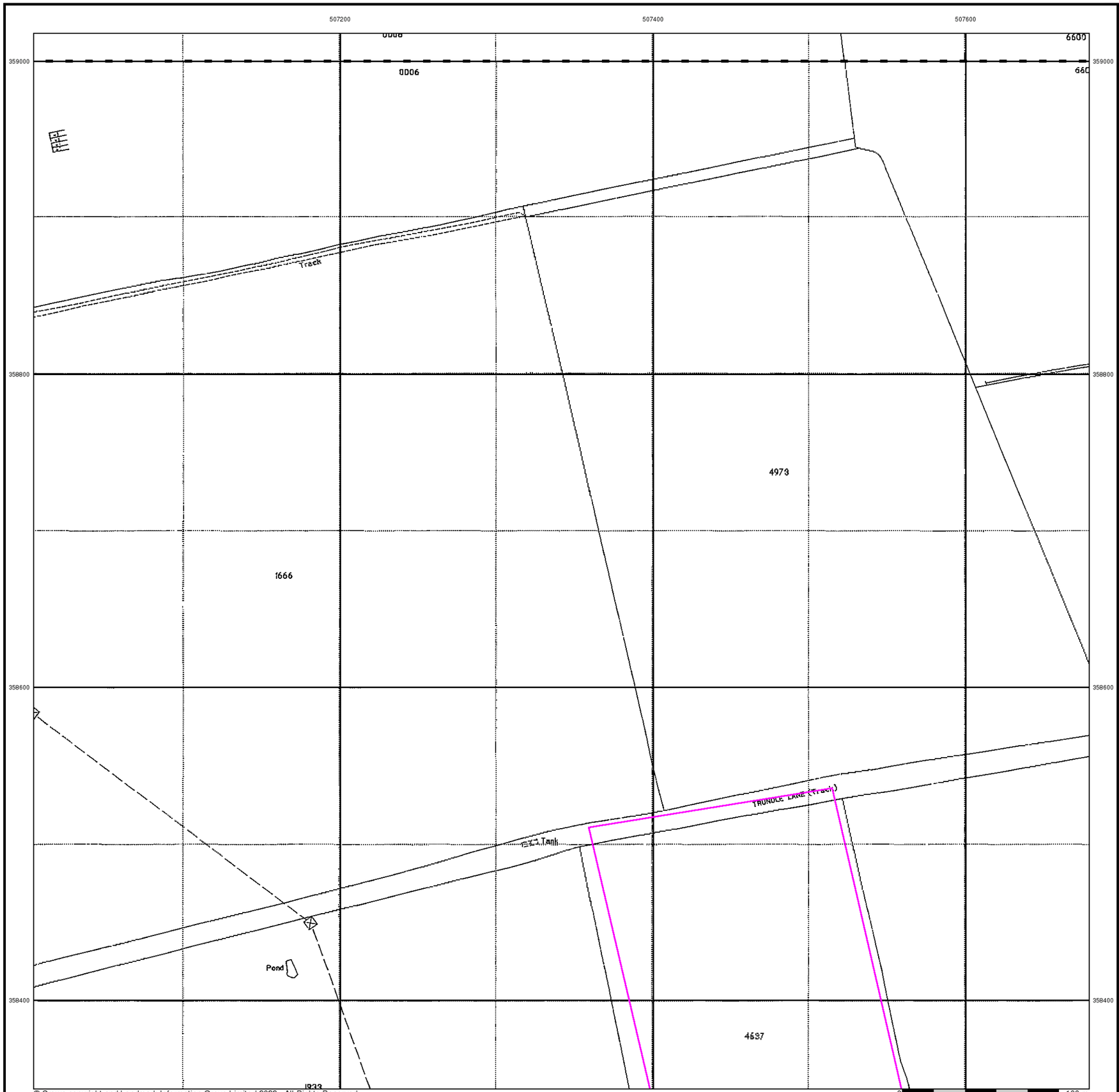
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



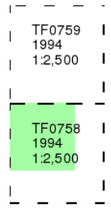
Large-Scale National Grid Data

Published 1994

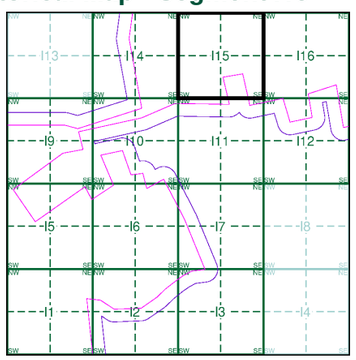
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment I15



Order Details

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Customer Ref:	P02130089
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Site Area (Ha):	1774.17
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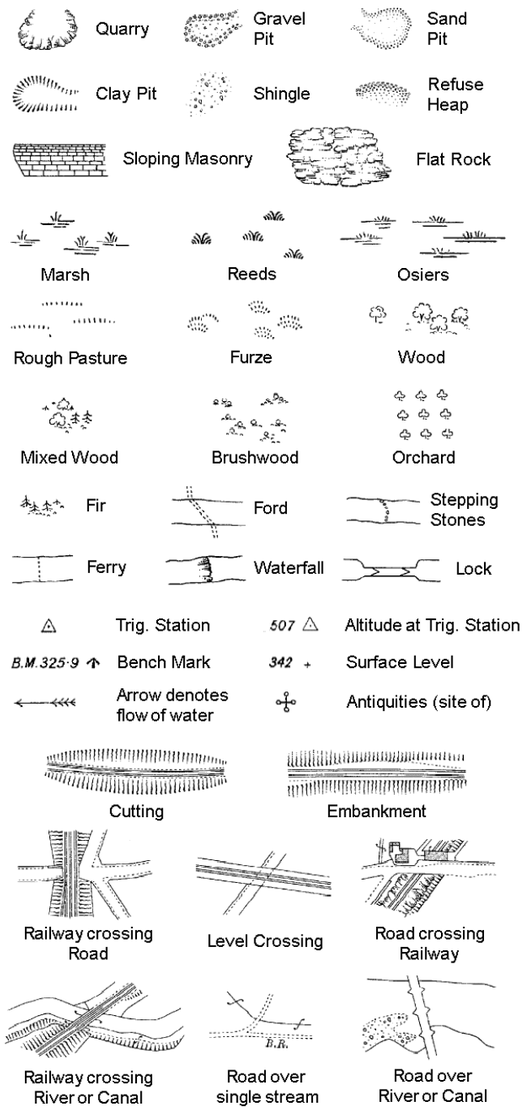
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

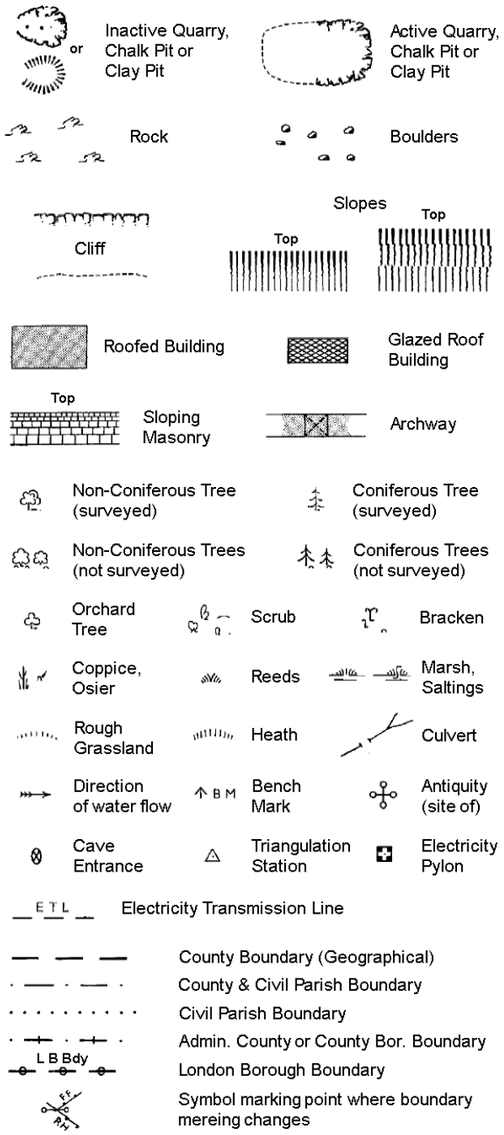
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

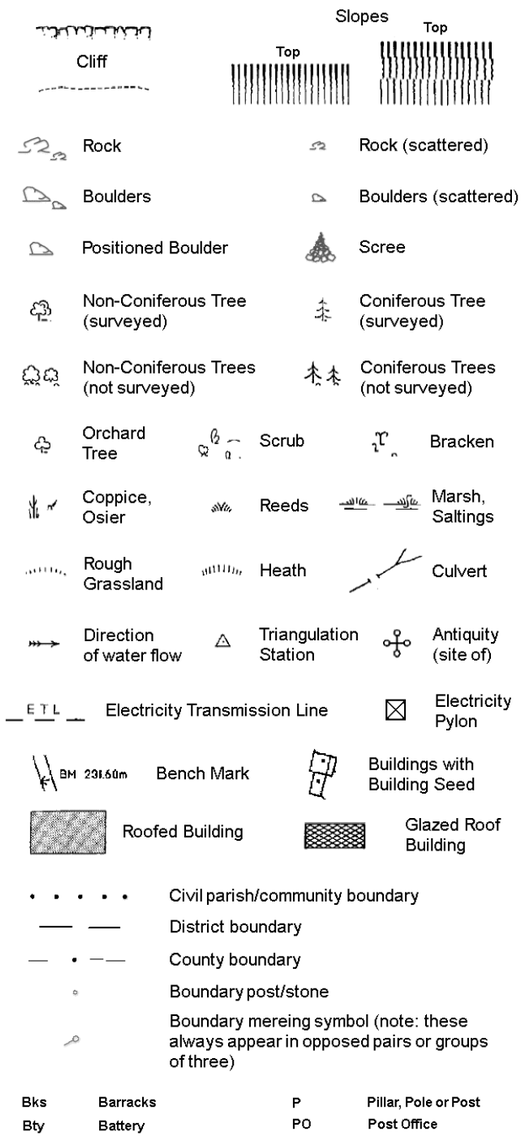
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

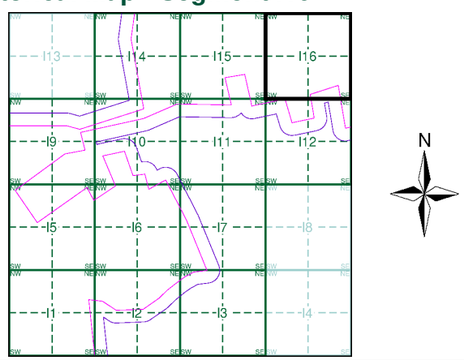
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment I16



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 506980, 357690
Slice: I
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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Fax: 0844 844 9951
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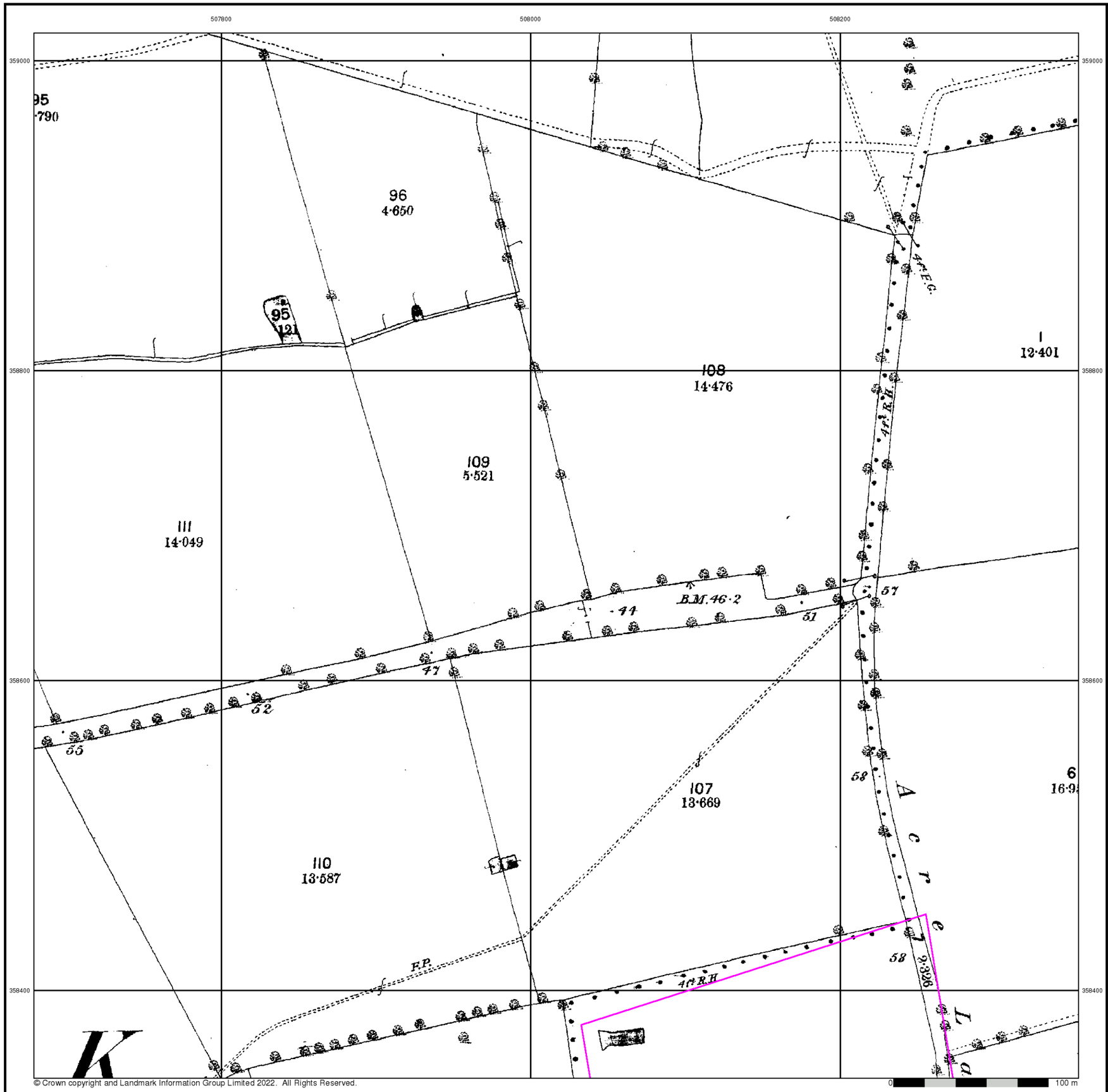

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0 100 m

RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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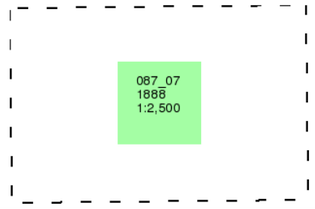
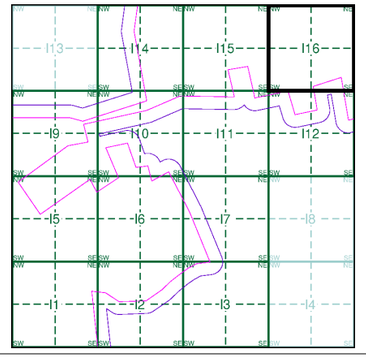
Map Name(s) and Date(s)



Historical Map - Segment I16



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Customer Ref:	P02130089
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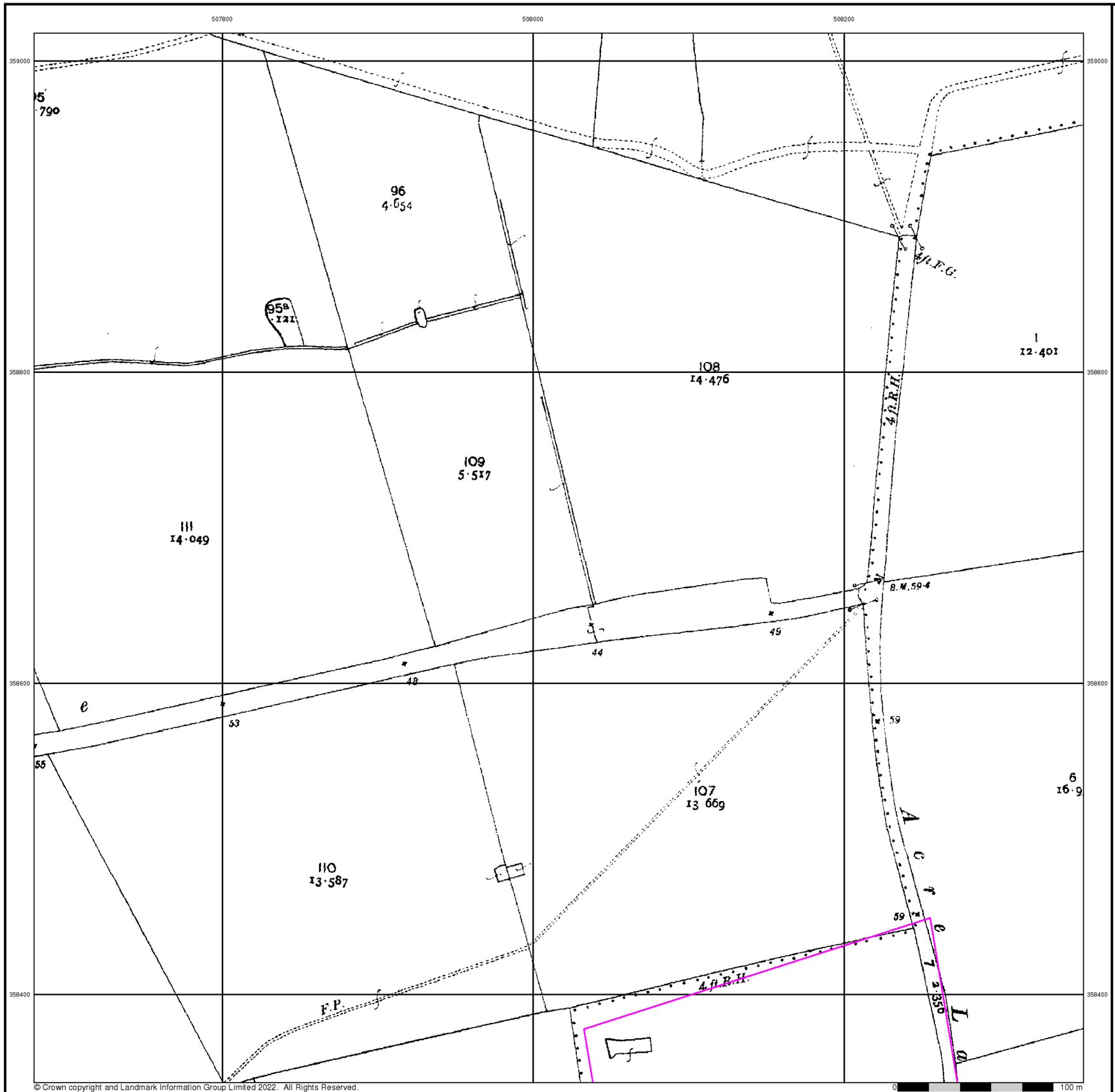

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0 100 m

RSK

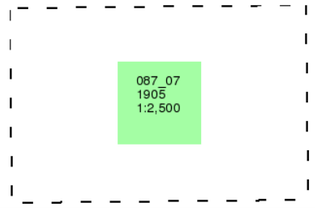
Lincolnshire

Published 1905

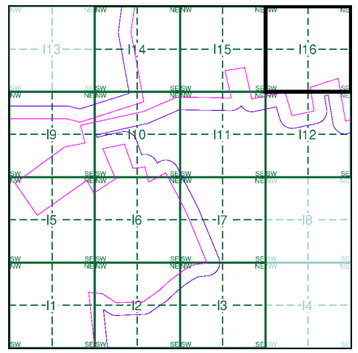
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment I16



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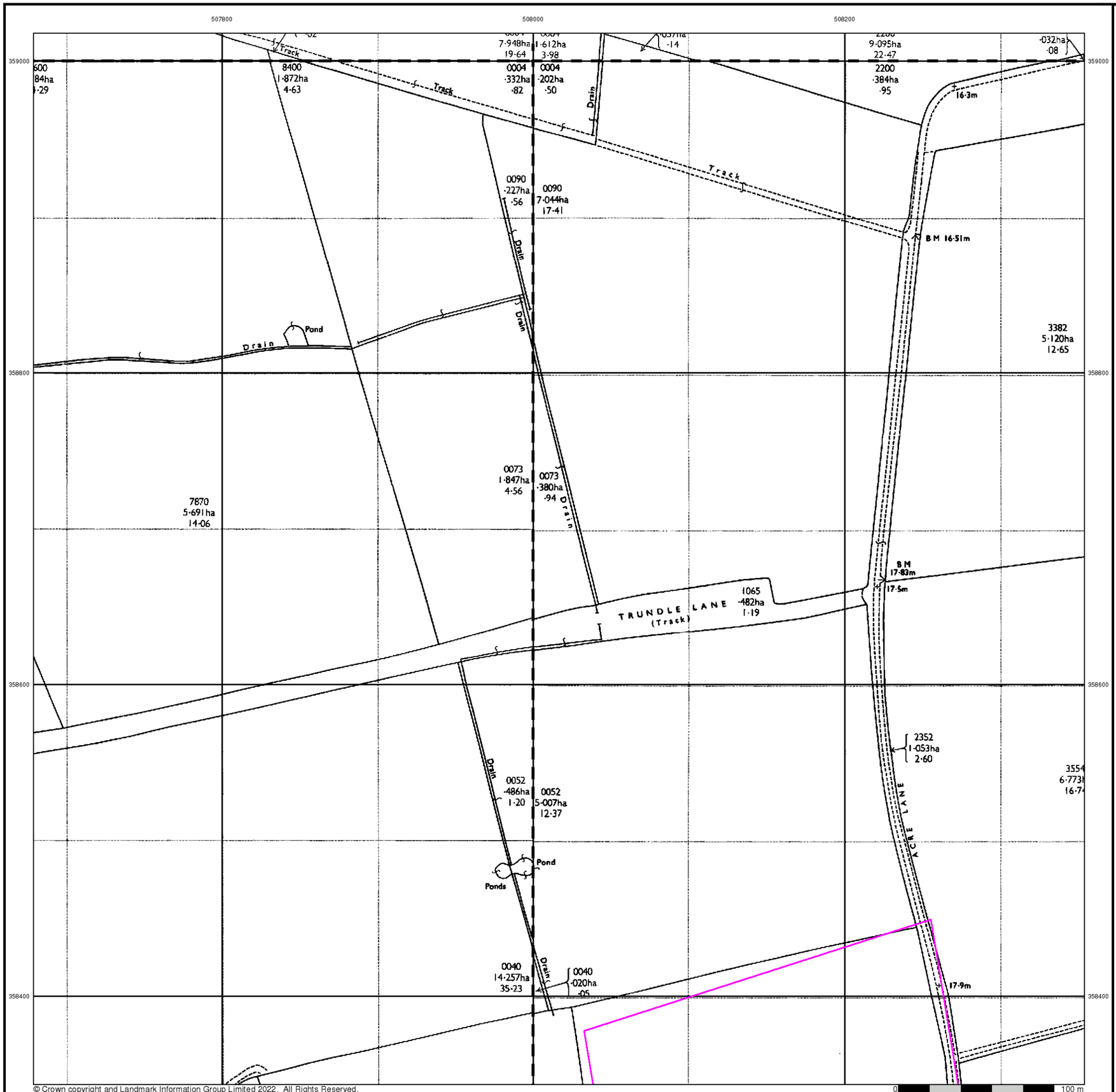

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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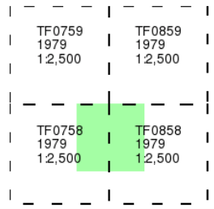
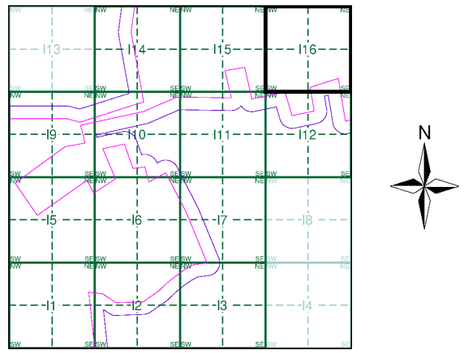
Map Name(s) and Date(s)



Historical Map - Segment I16



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
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Slice:	I
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

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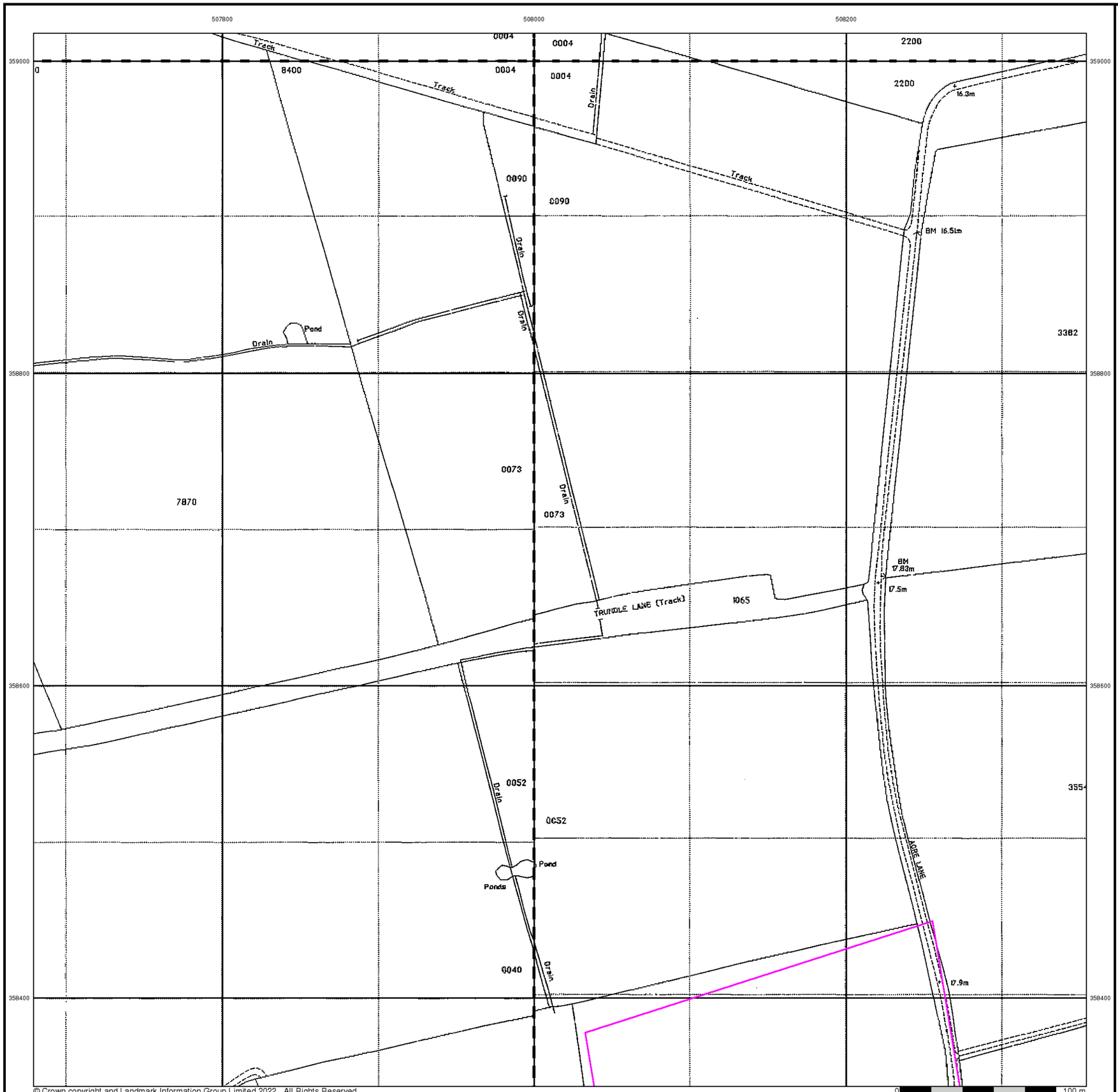


RSK

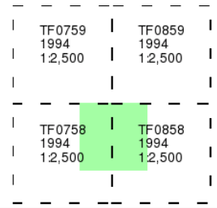
Large-Scale National Grid Data

Published 1994

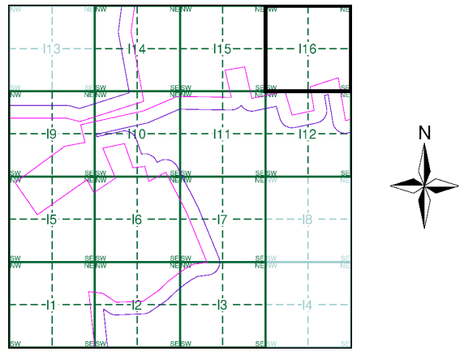
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment I16



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Site Area (Ha):	1774.17
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Site Details

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APPENDIX D10 ENVIRONMENTAL DATABASE REPORT – ZONE J

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
509220, 358240

Slice:
J

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	24
Hazardous Substances	-
Geological	25
Industrial Land Use	27
Sensitive Land Use	28
Data Currency	29
Data Suppliers	33
Useful Contacts	34

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			4	2
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 3			4	
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature		Yes			
Pollution Incidents to Controlled Waters	pg 4				2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4	1	1		(*7)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 11	6	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 12	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 12	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 12	4	18	40	44

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 24	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 25	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 25		1		
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 25	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 25	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 26	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines	pg 27			1	1
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 28	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	J13NW (NW)	0	1	508450 358750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	507800 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	508150 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	J9SE (SW)	0	1	508850 358000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	508250 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	507700 359350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508200 358650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	507850 357250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508250 358242
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	J9NW (W)	0	1	508500 358150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	J13NW (NW)	0	1	508500 358700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508150 357750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	127	1	508250 358000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	307	1	507750 355850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	J9SE (SW)	415	1	508950 357900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	435	1	509950 359250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	J10SW (S)	448	1	509222 358000
1	**Discharge Consents** Operator: Mr F Pachler Property Type: Domestic Property (Single) Location: 2 Houses At Kirkby Green Main Street, Kirkby Green, Lincoln, Ln4 3pe Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu566 Permit Version: 1 Effective Date: 8th June 1972 Issued Date: 8th June 1972 Revocation Date: 10th June 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	J9SW (SW)	338	2	508577 357827

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Mrs Anna Watt Property Type: Domestic Property (Single) Location: Station House Timberland Road, Kirkby Green, Lincoln, Lincolnshire, Ln4 3po Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Eprcb3895wc Permit Version: 1 Effective Date: 11th August 2015 Issued Date: 11th August 2015 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Ditch Leading To Car Dyke **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	J10NE (E)	386	2	509421 358247
3	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Kirkby Green Ps Church Lane, Kirkby Green, Lincoln, Lincs, Ln4 3pf Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff983 Permit Version: 1 Effective Date: 9th March 1973 Issued Date: 9th March 1973 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unknown Trib. **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	J9SW (SW)	454	2	508457 357680
4	**Discharge Consents** Operator: Mr R P Burrowes Property Type: Not Supplied Location: Scopwick Station, Scopwick, Lincoln Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu398 Permit Version: 1 Effective Date: 6th March 1969 Issued Date: 6th March 1969 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Approximate location provided by supplier	J9SE (SW)	468	2	509000 358000
5	**Discharge Consents** Operator: E Paige Esq. Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: 2 Railway Cottages, Scopwick, Nr Lincoln, Ln4 3pq Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu476 Permit Version: 1 Effective Date: 17th September 1970 Issued Date: 17th September 1970 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	J10SW (S)	662	2	509300 357900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: Edward P G Scoley Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Farmhouse At Westmoor Farm Martin Moor, Metheringham, Lincoln. Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu394 Permit Version: 1 Effective Date: 17th January 1969 Issued Date: 17th January 1969 Revocation Date: 30th May 1997 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Approximate location provided by supplier	J15NW (NE)	693	2	510000 359000
7	**Integrated Pollution Prevention And Control** Name: Thames Valley Foods Limited Location: Scopwick Free Range Epr/Hp3232hx, Scopwick Free Range, Kirkby Green,, Scopwick, Lincolnshire, LN4 3PQ Authority: Environment Agency, Anglian Region Permit Reference: PP3336FJ Original Permit Ref: Hp3232hx Effective Date: 26th March 2012 **Status: Effective** Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Located by supplier to within 10m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	J14SE (NE)	252	2	509390 358380
7	**Integrated Pollution Prevention And Control** Name: Stonegate Agriculture Limited Location: Mill Lane Farm - Epr/Hp3232hx, Mill Lane Farm, Kirkby Green,,, Nr Scopwick, Lincolnshire, LN2 2AA Authority: Environment Agency, Anglian Region Permit Reference: EP3806LP Original Permit Ref: Hp3232hx Effective Date: Not Supplied **Status: Valid** Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Located by supplier to within 10m Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	J14SE (NE)	252	2	509390 358380
7	**Integrated Pollution Prevention And Control** Name: Stonegate Agriculture Limited Location: Mill Lane Farm - Epr/Hp3232hx, Mill Lane Farm, Kirkby Green,,, Nr Scopwick, Lincolnshire, LN2 2AA Authority: Environment Agency, Anglian Region Permit Reference: DP3202LL Original Permit Ref: Hp3232hx Effective Date: Not Supplied **Status: Valid** Application Type: Surrender App. Sub Type: Part Positional Accuracy: Located by supplier to within 10m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	J14SE (NE)	252	2	509390 358380

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Integrated Pollution Prevention And Control** Name: Stonegate Horizon Ltd Location: Ings Lane Farm, Ings Lane Farm, Scopwick, LINCOLN, Lincolnshire, LN4 3PQ Authority: Environment Agency, Anglian Region Permit Reference: XP3232ML Original Permit Ref: Xp3232ml Effective Date: 24th August 2007 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Manually positioned to the address or location Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	J14SE (NE)	253	2	509397 358382
	Nearest Surface Water Feature	J13NE (NW)	0	-	508813 358857
8	**Pollution Incidents to Controlled Waters** Property Type: Construction Location: SCOPWICK Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Scopwick Beck Incident Date: 5th May 1997 Incident Reference: 2723 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	J10SE (S)	790	2	509400 357800
8	**Pollution Incidents to Controlled Waters** Property Type: Construction Location: Lincoln District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Scopwick Beck Incident Date: 5th May 1997 Incident Reference: 2723 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	J10SE (S)	795	2	509400 357795
9	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*s/020a Permit Version: Not Supplied Location: Scopwick Beck, KIRKBY GREEN Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 7 Yearly Rate (m3): 436000 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	J14NW (N)	0	2	509100 358795
10	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*s/020a Permit Version: Not Supplied Location: Scopwick Beck , KIRKBY GREEN Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 7 Yearly Rate (m3): 436000 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	J14SW (NW)	29	2	509100 358500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Rowston Estate Co Licence Number: 4/30/09/*S/0015 Permit Version: 100 Location: Rowston Beck Rowston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 June Authorised End: 30 September Permit Start Date: 1st April 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	J6NE (SE)	1236	2	509600 357400
	Water Abstractions Operator: Rowston Estate Company Licence Number: 4/30/09/*s/015 Permit Version: Not Supplied Location: Rowston Beck , ROWSTON Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 11 Yearly Rate (m3): 1272910 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	J7SW (SE)	1445	2	509900 357300
	Water Abstractions Operator: F. M. Stockdale Licence Number: 4/30/09/*s/042 Permit Version: Not Supplied Location: The New Cut Thorpe, TIMBERLAND Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 10 Yearly Rate (m3): 545530 Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	J12SW (SE)	1475	2	510500 357700
	Water Abstractions Operator: Roger Fletcher Farms Licence Number: 4/30/09/*S/0012 Permit Version: 100 Location: Rowston Beck (New Cut) Rowston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 1st June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	J7NE (SE)	1539	2	510200 357350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: A C Gilbert & Son Ltd Licence Number: 4/30/09/*S/0012 Permit Version: 102 Location: Rowston Beck (New Cut) Rowston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 29th October 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	J7NE (SE)	1542	2	510190 357340
	Water Abstractions Operator: A C Gilbert & Son Ltd Licence Number: 4/30/09/*S/0012 Permit Version: 101 Location: Rowston Beck (New Cut) Rowston Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 1st September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	J7NE (SE)	1542	2	510190 357340
	Water Abstractions Operator: Roger Fletcher Farms Licence Number: 4/30/09/*s/012 Permit Version: Not Supplied Location: Rowston Beck (New Cut), ROWSTON Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 9 Yearly Rate (m3): 687000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	J8NW (SE)	1710	2	510530 357390
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	507745 357486

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	507615 359158
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	508000 358242
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	508199 358000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	508000 357667

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	J10NE (NE)	0	3	509399 358323
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	508000 359653
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	508000 359000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	508180 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	J14NW (N)	0	3	509222 359000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	507731 356567
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	507975 358000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	J9NE (W)	0	3	509000 358242

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	J14NW (N)	0	3	509212 359000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	J10NW (E)	0	3	509222 358242
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	507981 359000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	508000 357930

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(NW)	0	3	508000 359113
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	J13NE (N)	0	3	509000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(W)	0	3	508000 358242
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	J9NE (W)	0	3	509000 358242
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(SW)	0	3	508000 357000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(W)	0	3	508000 358000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(NW)	0	3	508000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	J13NE (N)	0	3	509000 359000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SW)	0	3	507745 357486
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(W)	0	3	507384 358184
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	J10NE (NE)	0	3	509399 358323
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	J9SW (SW)	0	3	508604 357691
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(SW)	0	3	508167 357666
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	J10NW (E)	0	3	509222 358242
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(SW)	0	3	507885 355881

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	J10NE (E)	0	2	509422 358237
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	J10NE (E)	0	2	509421 358226
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 254.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J9NW (W)	0	4	508684 358227
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 723.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SW (NW)	0	4	509102 358526
13	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 215.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J13NE (NW)	0	4	508813 358857
14	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 191.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14NW (N)	0	4	509102 358976
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 398.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SW (NW)	5	4	509102 358525
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 273.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SW (N)	5	4	509111 358528
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 157.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SE (NE)	5	4	509371 358487

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 489.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J10NW (W)	5	4	509193 358234
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 153.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SE (NE)	23	4	509413 358486
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 326.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (NE)	29	4	509428 358487
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 240.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14NW (N)	32	4	509365 358808
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14NW (N)	32	4	509365 358808
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 176.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SE (NE)	47	4	509427 358645
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 129.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14NE (N)	47	4	509379 358812
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SE (NE)	163	4	509413 358486
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 64.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SE (NE)	163	4	509431 358425

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 79.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (NE)	168	4	509444 358410
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 610.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14NE (NE)	175	4	509501 358851
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 360.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (NE)	175	4	509602 358504
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 192.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (NE)	218	4	509582 358613
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (NE)	245	4	509446 358400
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 149.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SE (NE)	245	4	509444 358410
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (NE)	256	4	509448 358393
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 206.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	263	4	509465 358310
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (NE)	274	4	509603 358499

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 546.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J9SW (SW)	277	4	508381 357672
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (NE)	278	4	509613 358466
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SE (NE)	291	4	509587 358454
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 117.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J9NE (W)	292	4	508978 358178
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (NE)	294	4	509594 358457
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (NE)	294	4	509596 358447
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 191.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J14SE (E)	302	4	509619 358381
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 349.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J14SE (NE)	304	4	509613 358466
44	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 32.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	324	4	509444 358325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 901.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J5NW (SW)	340	4	508388 357665
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 418.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J9SE (SW)	355	4	508919 357985
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 120.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	356	4	509459 358296
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 442.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J9SE (SW)	376	4	508926 357985
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J15SW (NE)	401	4	509766 358668
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 130.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J15SW (NE)	412	4	509776 358671
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J9SE (SW)	429	4	508922 357985
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J9SE (SW)	431	4	508926 357985
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 159.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NW (SW)	435	4	509082 358006

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J5NW (SW)	445	4	508388 357665
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	448	4	509561 358240
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 95.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	448	4	509561 358240
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	452	4	509559 358234
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	453	4	509562 358234
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 343.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J9SW (SW)	453	4	508681 357731
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J9SW (SW)	458	4	508686 357730
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 181.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	466	4	509441 358165
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 66.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	470	4	509572 358221

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J10NE (E)	471	4	509578 358223
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	477	4	509659 358267
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	480	4	509654 358260
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 252.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	482	4	509659 358261
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 77.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NW (S)	487	4	509155 358028
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NW (SW)	489	4	509082 358006
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 213.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NW (S)	492	4	509163 358027
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10SW (SW)	493	4	509082 358003
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 123.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10SW (SW)	494	4	509069 357996

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10SW (SW)	494	4	509071 357997
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J10NE (E)	502	4	509668 358242
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 401.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J10NE (E)	504	4	509672 358243
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (SE)	506	4	509448 358128
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (SE)	515	4	509450 358119
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 145.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J10NW (S)	517	4	509299 358053
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (SE)	522	4	509407 358094
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (SE)	523	4	509442 358107
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 174.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J10NE (SE)	524	4	509454 358112

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 437.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (E)	534	4	509618 358172
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 224.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J11NW (E)	554	4	509906 358313
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J15SW (E)	572	4	509925 358526
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J15SW (E)	579	4	509933 358530
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 421.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J15SW (E)	580	4	509935 358531
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 295.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J11NW (E)	633	4	509906 358313
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 387.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10NE (SE)	674	4	509664 358038
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 438.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J11NW (E)	680	4	509898 358219
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 226.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J5NW (SW)	687	4	508685 357494

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10SW (S)	695	4	509270 357854
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 651.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10SW (S)	707	4	509281 357846
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 156.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J5NE (SW)	720	4	508831 357510
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 237.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J15SE (E)	729	4	510092 358588
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J11NE (E)	767	4	510065 358327
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 86.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10SW (S)	768	4	509365 357809
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 133.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J11NE (E)	770	4	510068 358328
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10SE (SE)	773	4	509425 357829
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 734.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10SE (SE)	774	4	509439 357834

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J15NE (NE)	782	4	510088 359014
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J15NE (NE)	783	4	510089 359012
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 278.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J15NE (NE)	783	4	510089 359012
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 140.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J11NW (E)	827	4	510033 358155
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 165.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J6NW (S)	835	4	509201 357575
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 168.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J6NW (S)	847	4	509052 357497
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J5NE (SW)	865	4	508834 357353
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 298.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J15SE (E)	871	4	510195 358374
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J15SE (E)	881	4	510199 358355

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 214.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J15SE (E)	881	4	510199 358355
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 187.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J6SW (S)	882	4	509044 357328
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 224.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J5NE (SW)	884	4	508832 357333
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 447.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J15SE (E)	889	4	510204 358347
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J6NW (S)	893	4	509215 357582
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J6NW (S)	899	4	509217 357583
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 821.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J10SE (SE)	934	4	509467 357672
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 144.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	J11NE (E)	965	4	510136 358062
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 75.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	J6SW (S)	981	4	509044 357328

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	5	509222 358242
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	509222 358242

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	J9NE (W)	0	1	508716 358034
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	J10NW (E)	0	1	509222 358242
117	**BGS Recorded Mineral Sites** Site Name: Kirkby Green Location: Kirkby Green, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134835 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Cornbrash Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	J9SW (SW)	198	1	508645 358002
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J9SW (SW)	0	1	508604 357691
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J9SE (SW)	0	1	508874 357987
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J9SE (SW)	0	1	508874 357987
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J10NE (NE)	0	1	509399 358323
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J9SE (SW)	0	1	508874 357987
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	J10NE (NE)	0	1	509399 358323
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	J9SW (SW)	0	1	508604 357691
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	J10NE (E)	0	1	509475 358301
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	J10NE (E)	0	1	509475 358301

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	**Gas Pipelines** Name: HATTON TO SILK WILLOUGHBY Nat Grid: Owned By National Grid Diameter (mm): 1200 Building Proximity Distance (m): Not Supplied Status: Active Pipe Length (m): 40424.4 Pipe Number: Not Supplied	J11NW (SE)	359	7	509750 358008
119	**Gas Pipelines** Name: HATTON TO PETERBOROUGH Nat Grid: Owned By National Grid Diameter (mm): 1050 Building Proximity Distance (m): Not Supplied Status: Active Pipe Length (m): 82664.68 Pipe Number: Not Supplied	J11SE (E)	986	7	510227 358000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	J10NW (E)	0	3	509222 358242
121	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	J10NW (E)	0	3	509222 358242

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

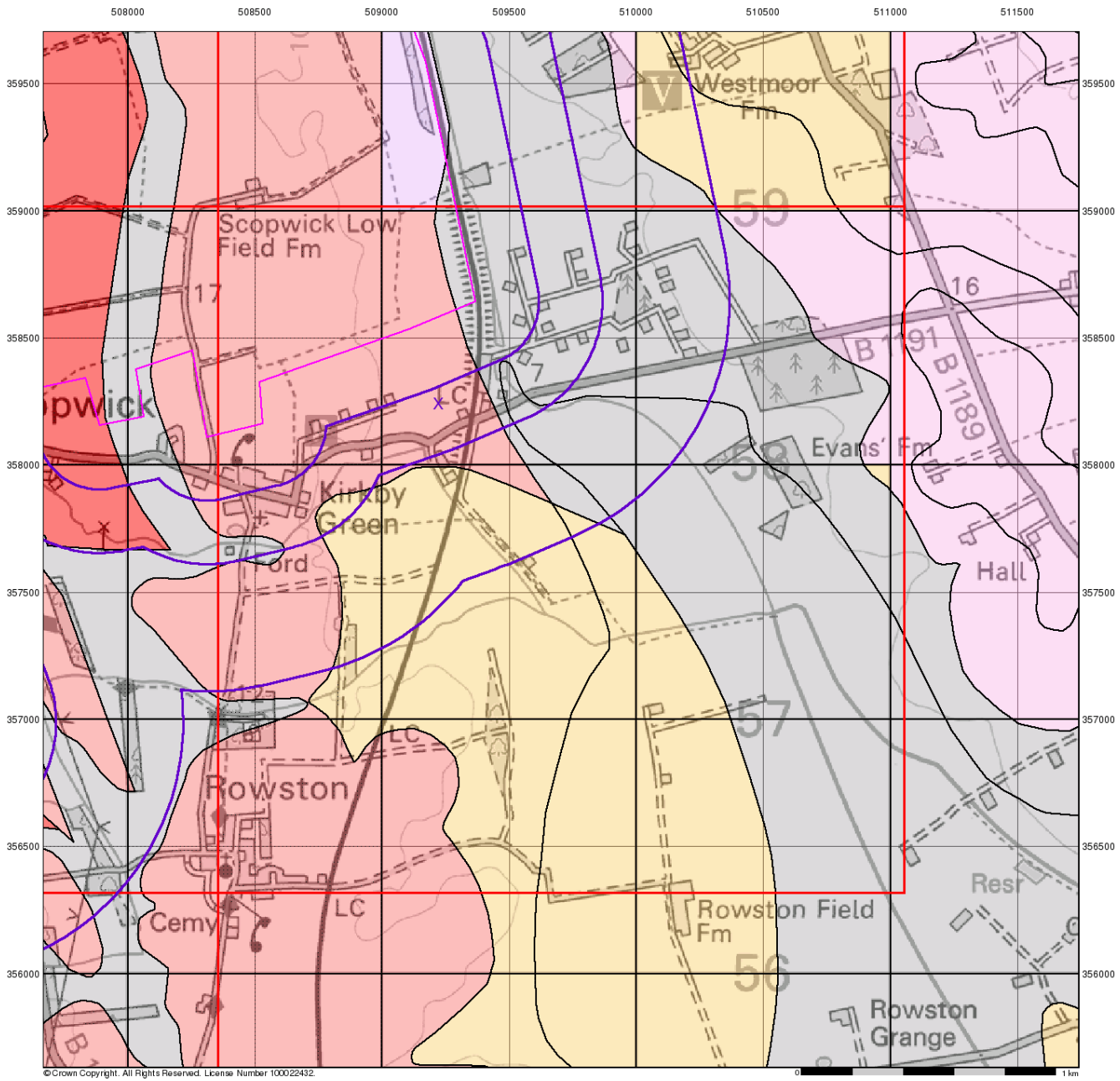
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



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Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

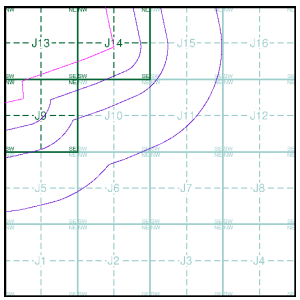
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice J



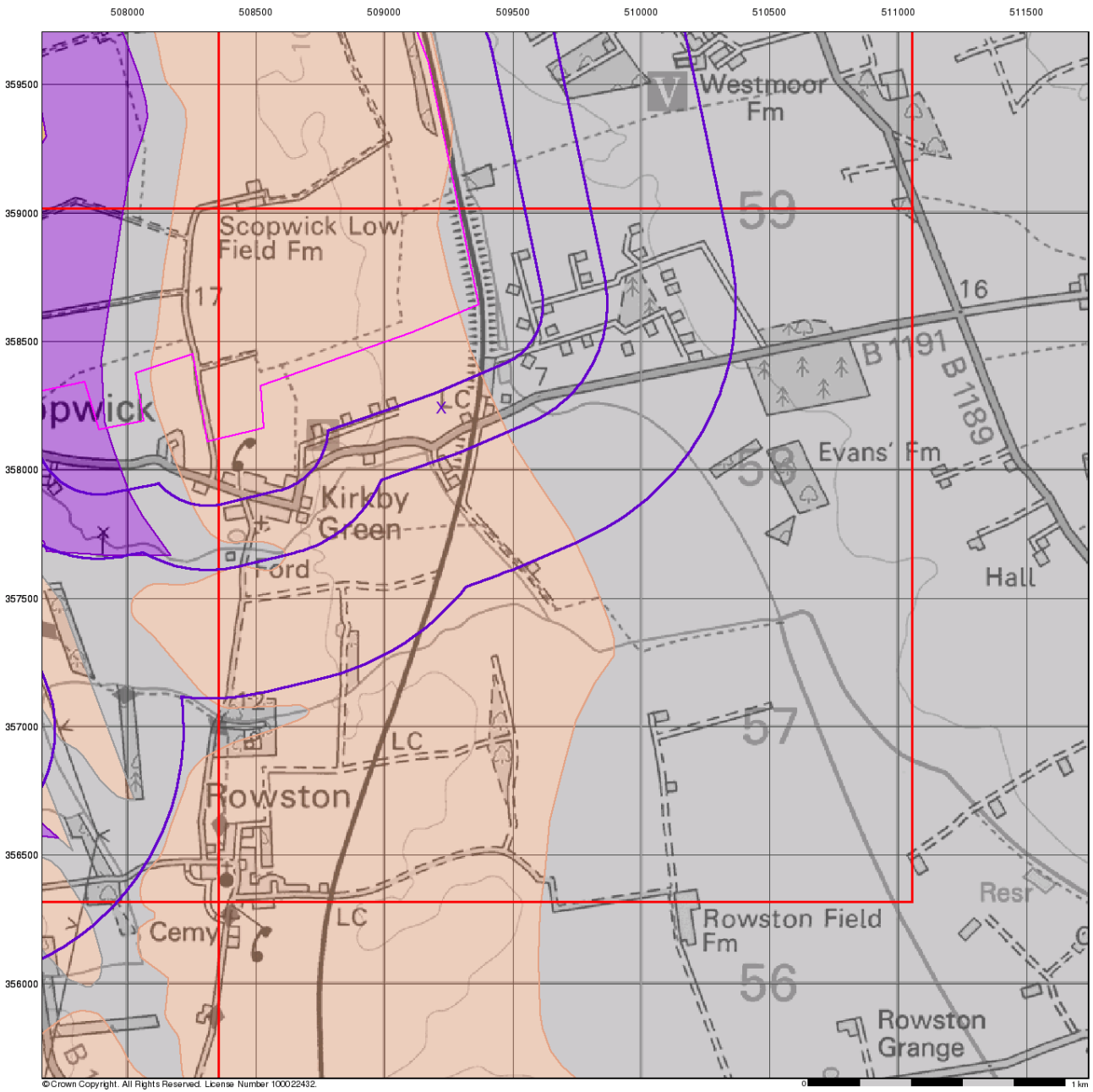
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

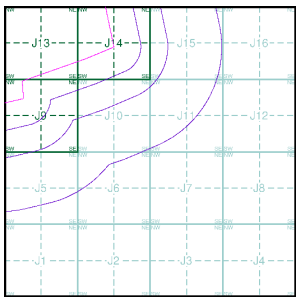
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice J



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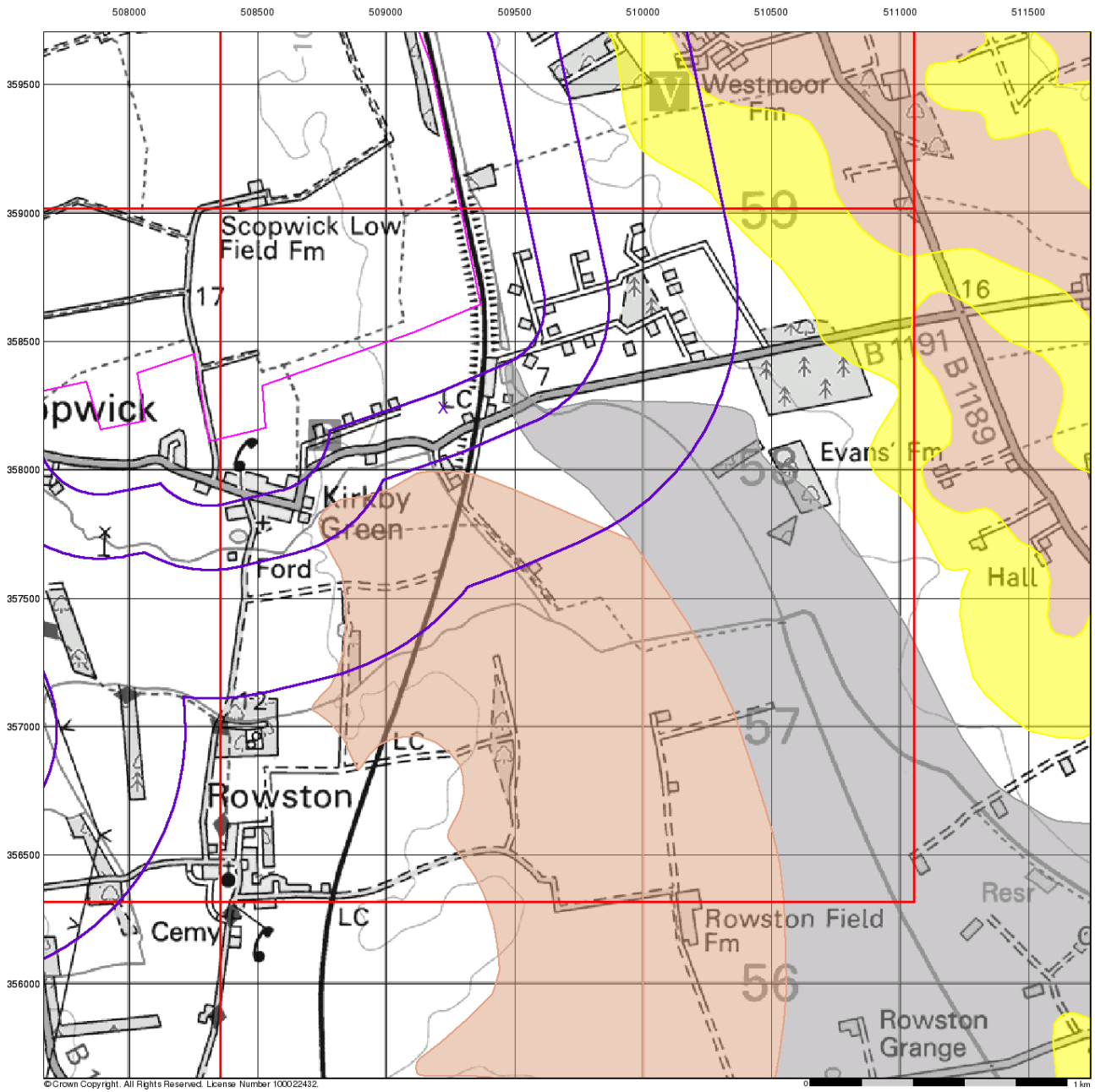

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Superficial Aquifer Designation

General

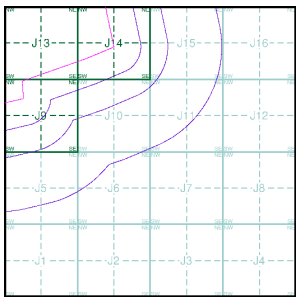
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice J



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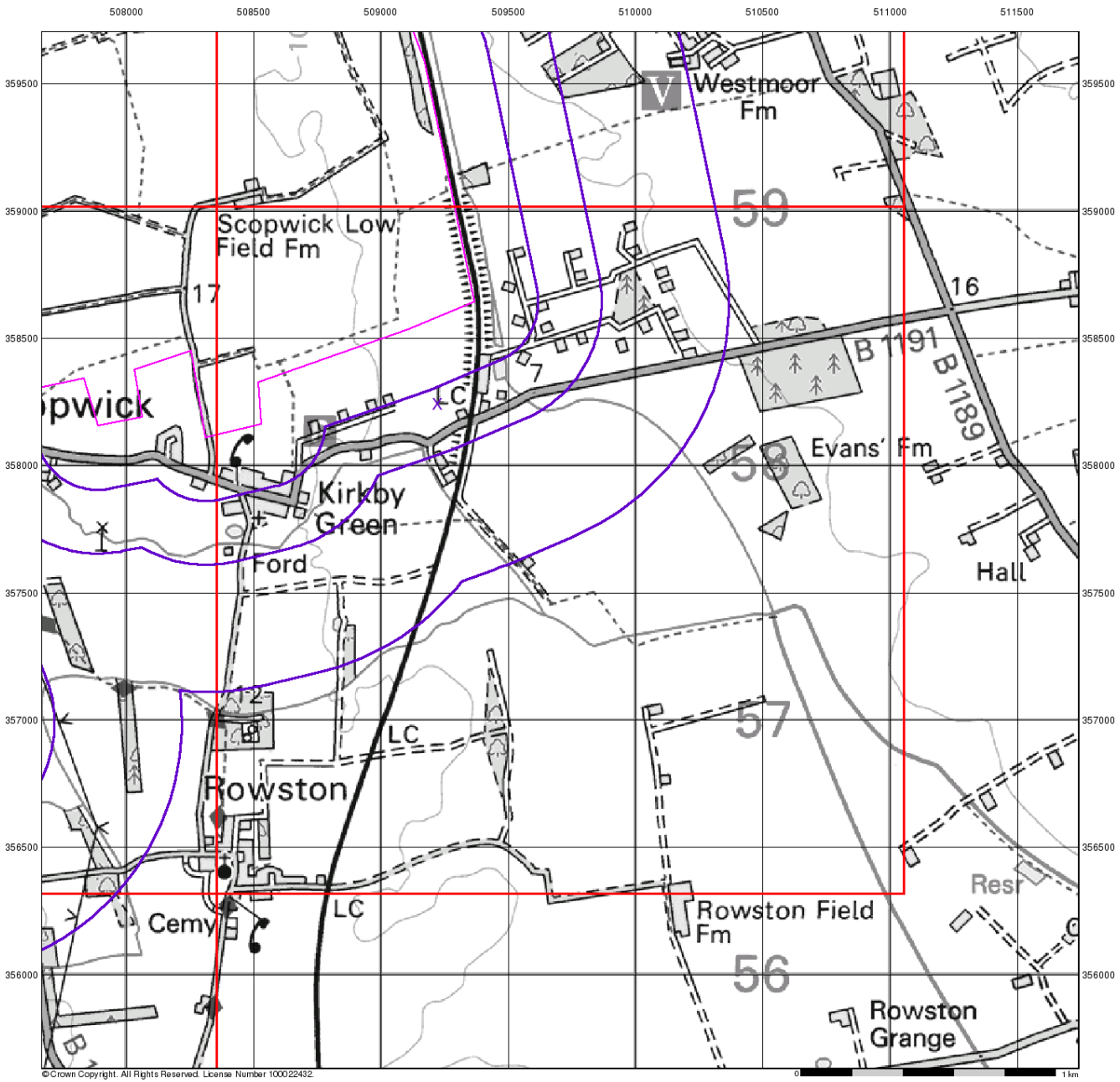

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Source Protection Zones

General

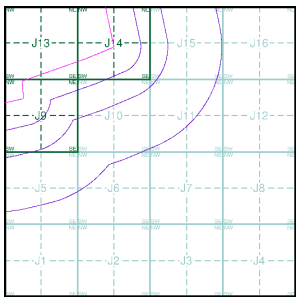
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice J



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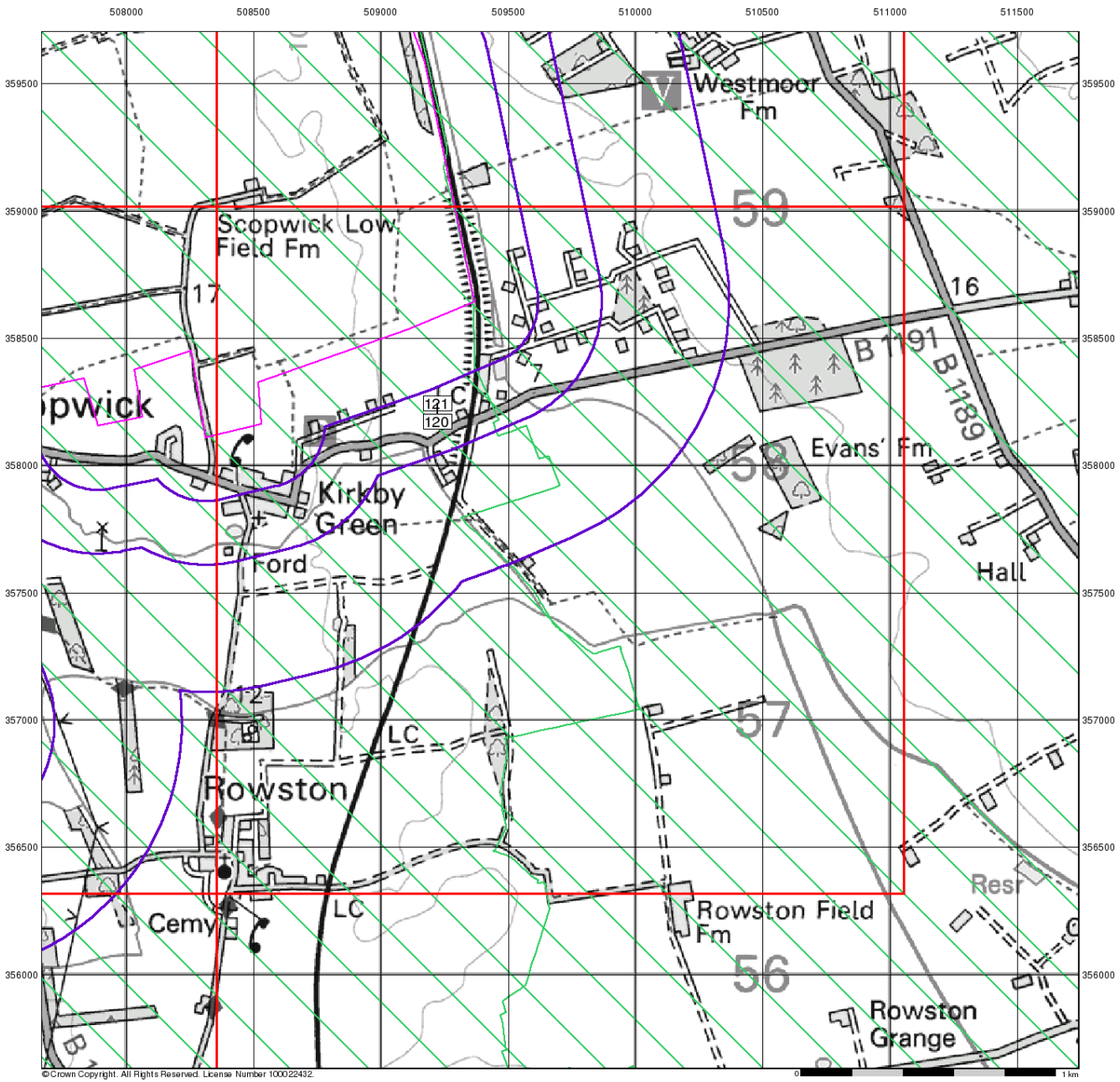


Sensitive Land Uses

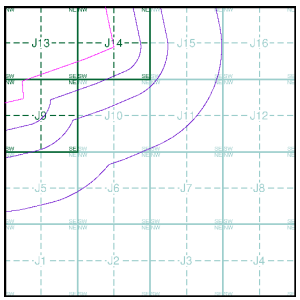
General

Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice J



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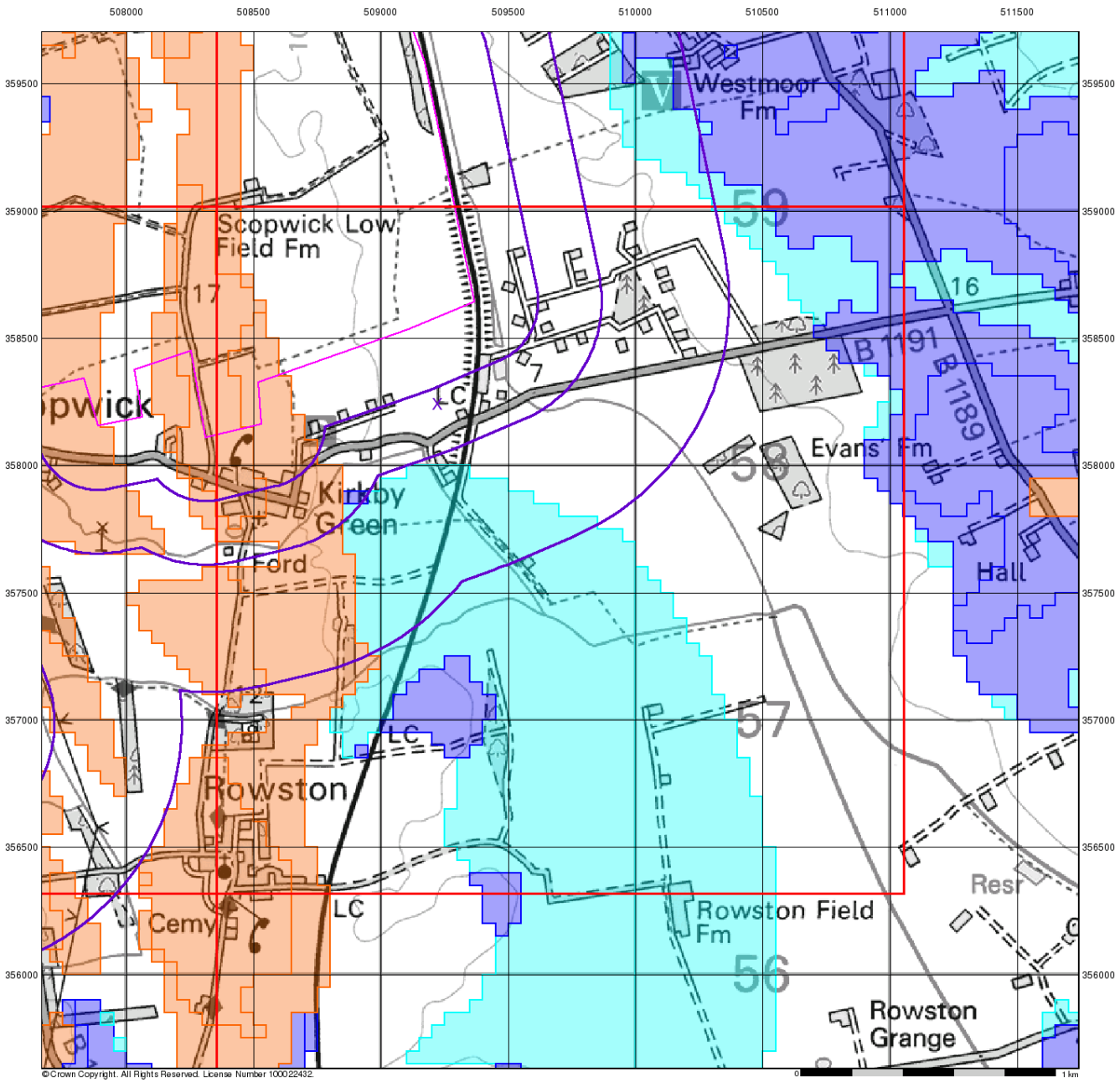

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BGS Flood GFS Data

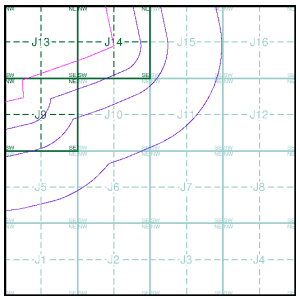
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice J



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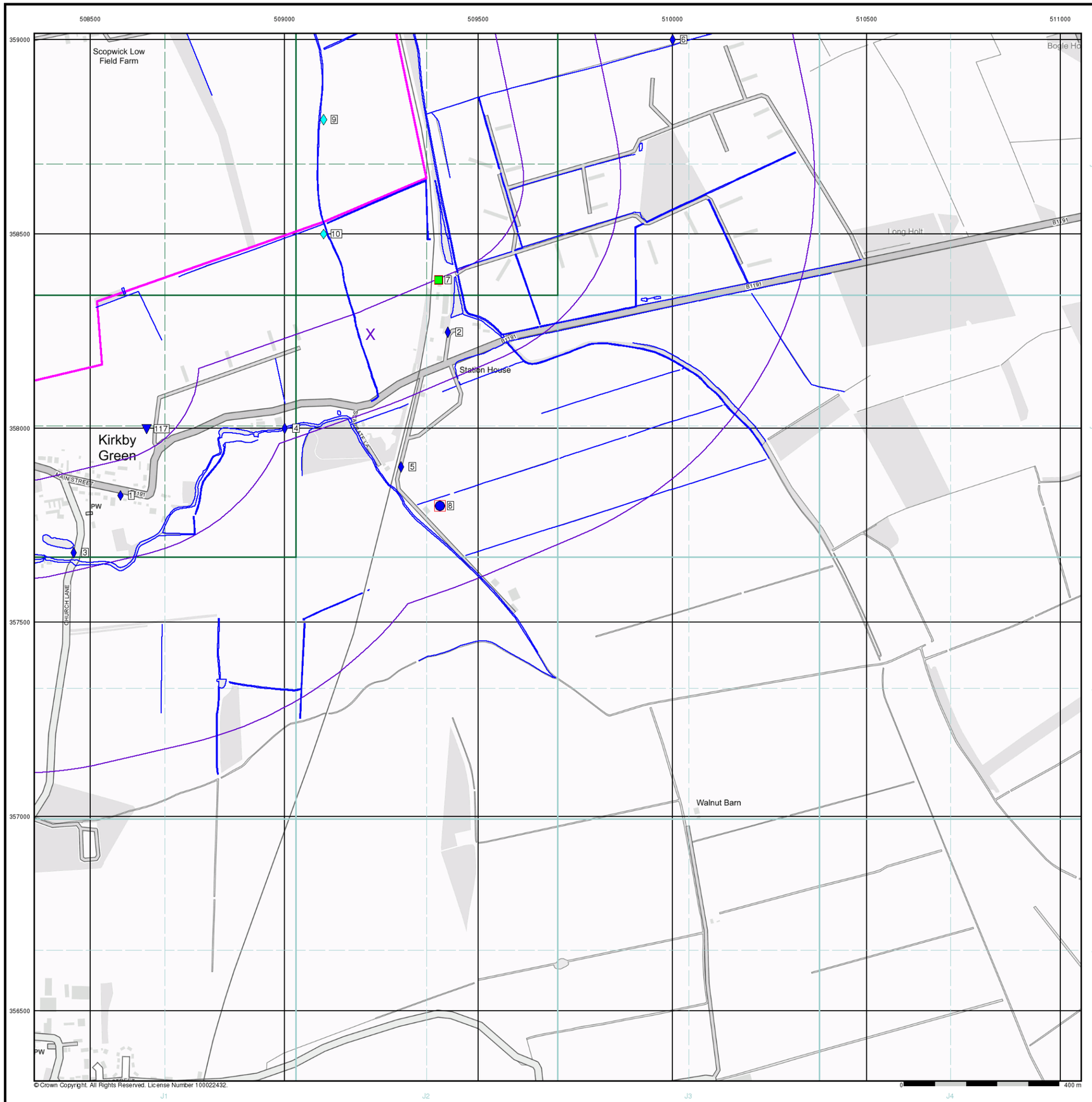

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General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Map ID
Several of Type at Location

Agency and Hydrological

Contaminated Land Register Entry or Notice (Location)
Contaminated Land Register Entry or Notice
Discharge Consent
Enforcement or Prohibition Notice
Integrated Pollution Control
Integrated Pollution Prevention Control
Local Authority Integrated Pollution Prevention and Control
Local Authority Pollution Prevention and Control
Local Authority Pollution Prevention and Control Enforcement
Pollution Incident to Controlled Waters
Prosecution Relating to Authorised Processes
Prosecution Relating to Controlled Waters
Registered Radioactive Substance
River Network or Water Feature
River Quality Sampling Point
Substantiated Pollution Incident Register
Water Abstraction
Water Industry Act Referral

Geological

BGS Recorded Mineral Site

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry

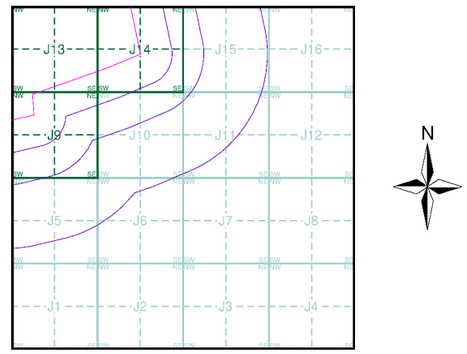
Waste

BGS Recorded Landfill Site (Location)
BGS Recorded Landfill Site
EA Historic Landfill (Buffered Point)
EA Historic Landfill (Polygon)
Integrated Pollution Control Registered Waste Site
Licensed Waste Management Facility (Landfill Boundary)
Licensed Waste Management Facility (Location)
Local Authority Recorded Landfill Site (Location)
Local Authority Recorded Landfill Site
Registered Landfill Site
Registered Landfill Site (Location)
Registered Landfill Site (Point Buffered to 100m)
Registered Landfill Site (Point Buffered to 250m)
Registered Waste Transfer Site (Location)
Registered Waste Transfer Site
Registered Waste Treatment or Disposal Site (Location)
Registered Waste Treatment or Disposal Site

Hazardous Substances

COMAH Site
Explosive Site
NIHHS Site
Planning Hazardous Substance Consent
Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice J



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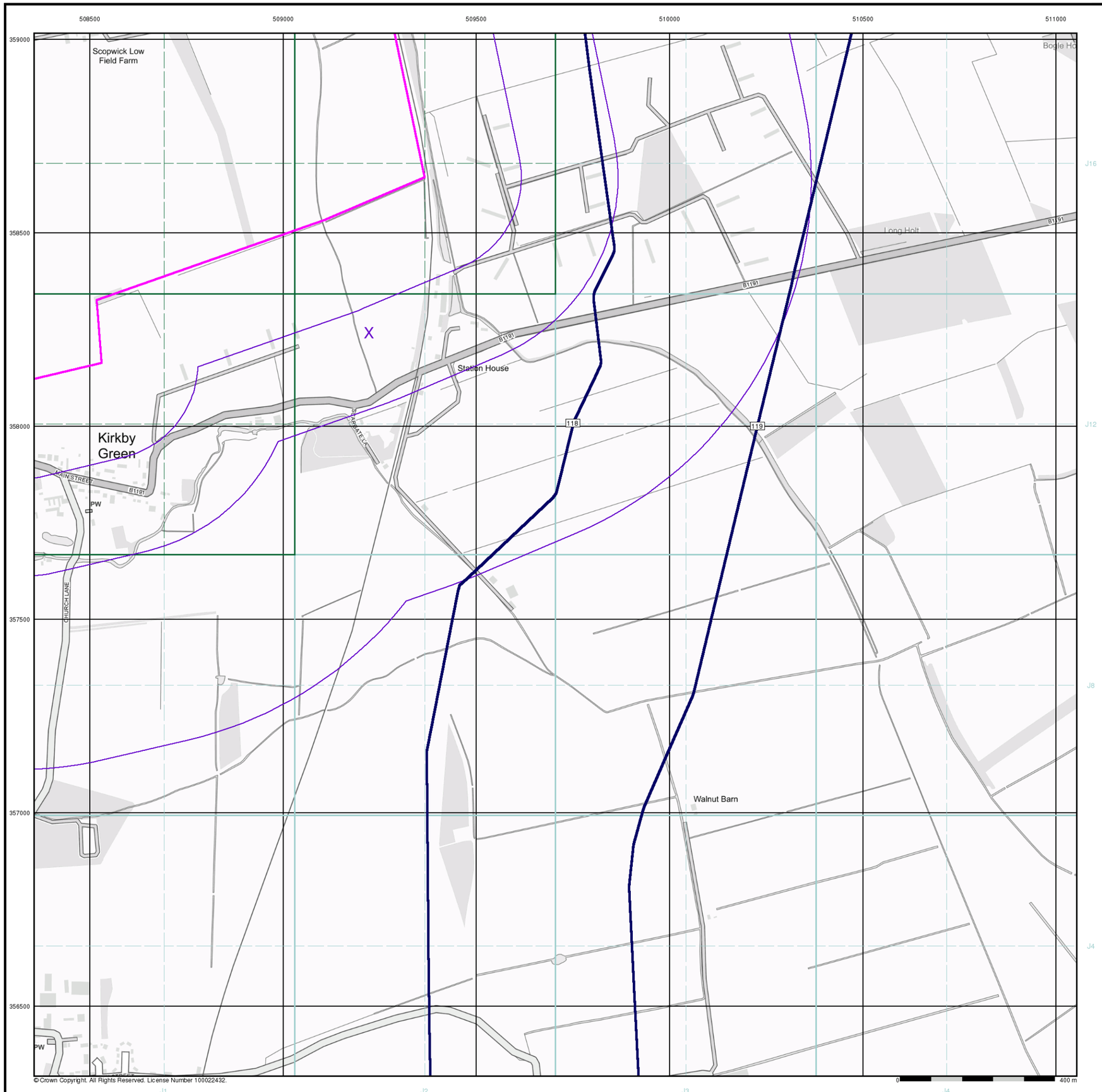

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Industrial Land Use Map

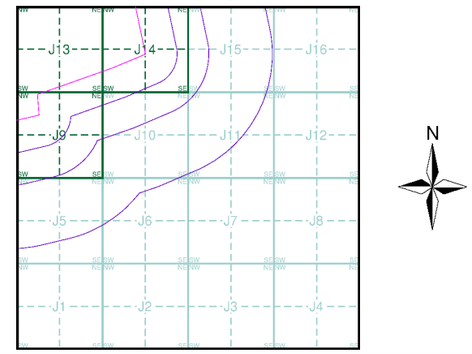
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice J



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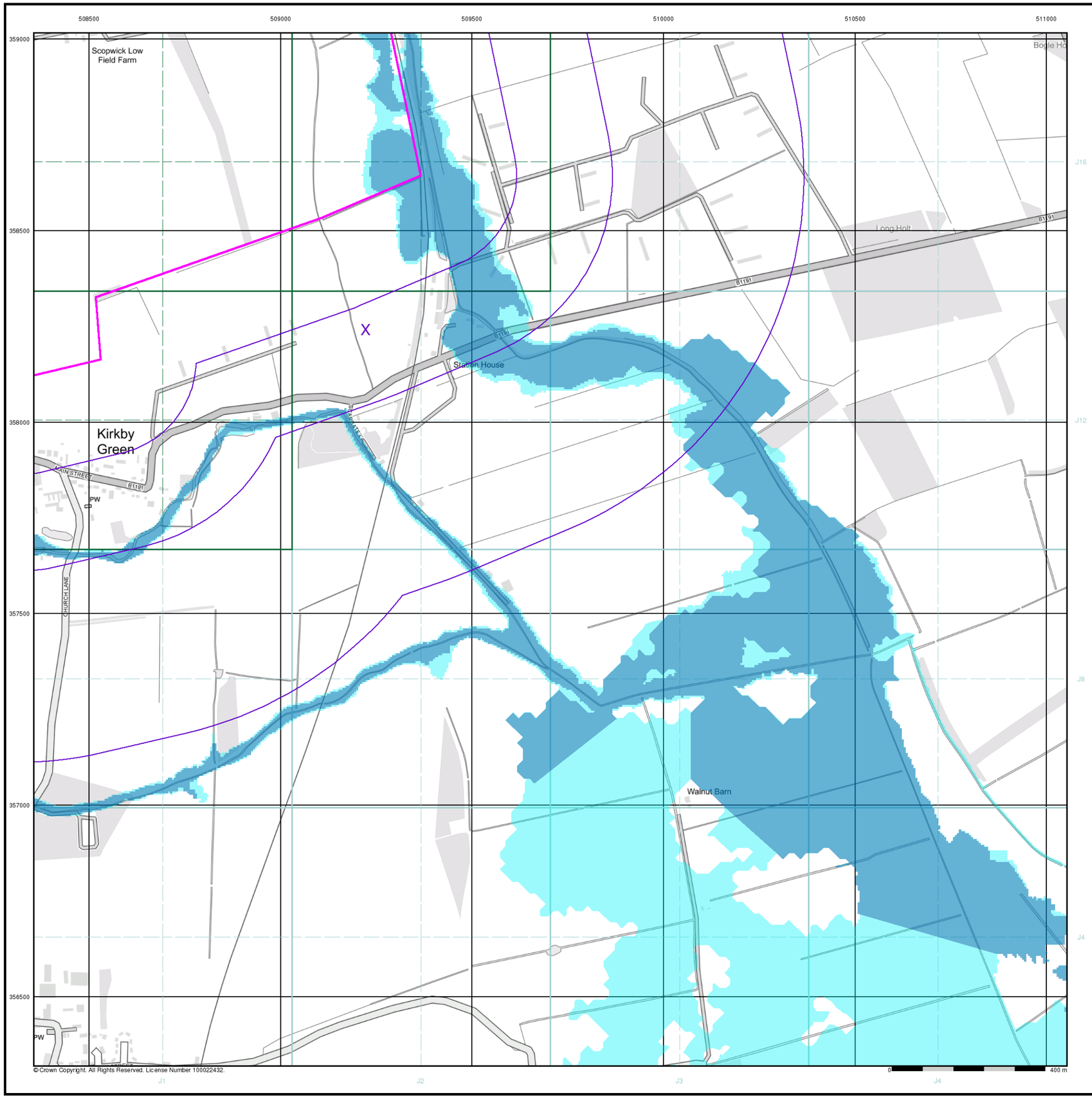

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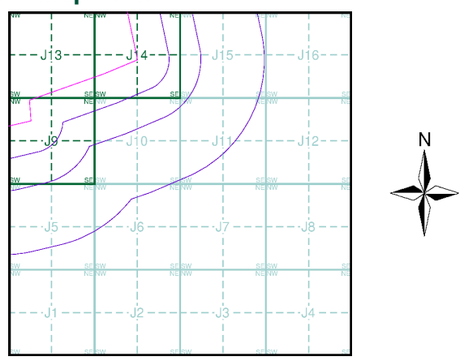
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice J



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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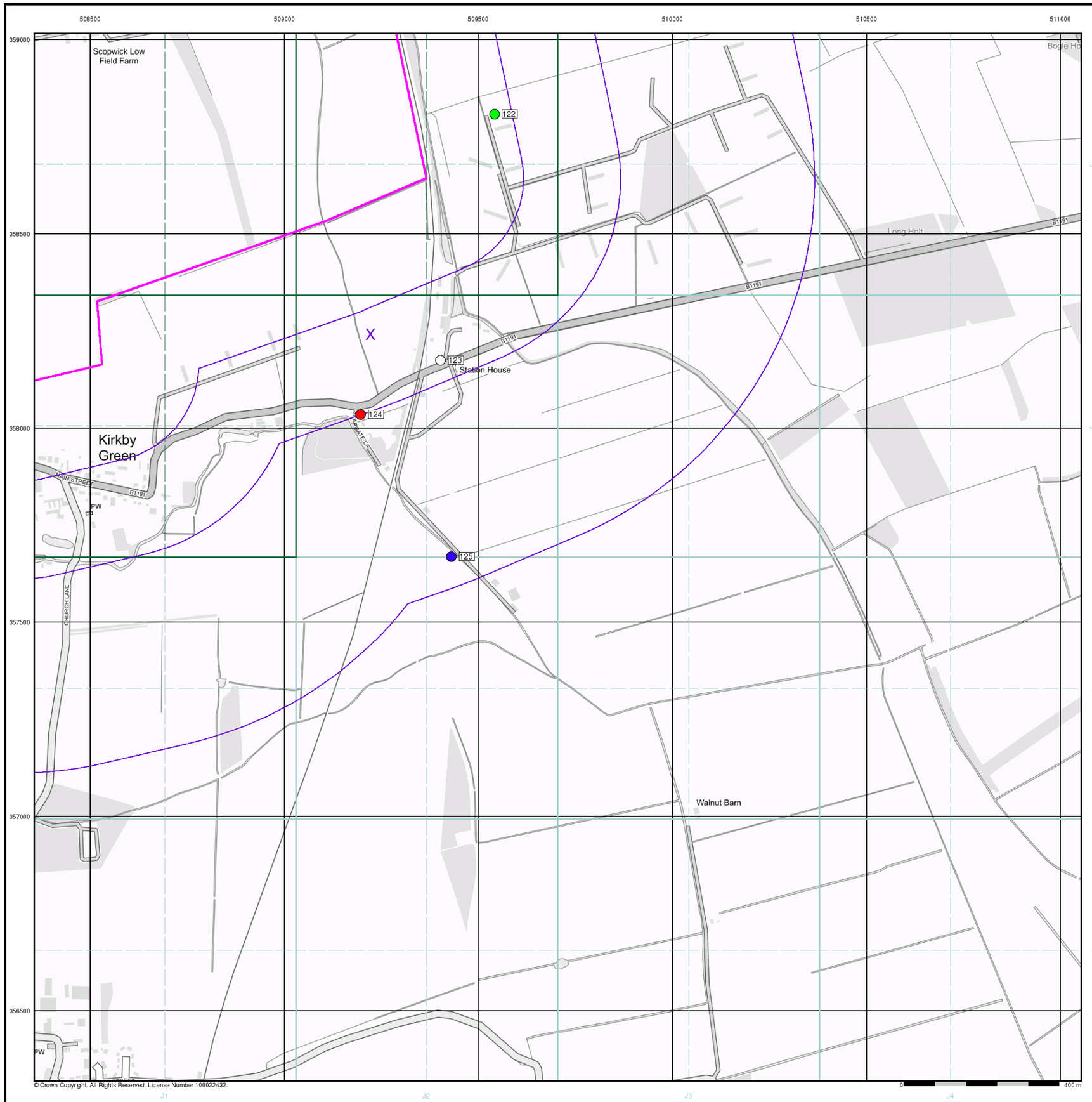
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Map ID
- Several of Type at Location

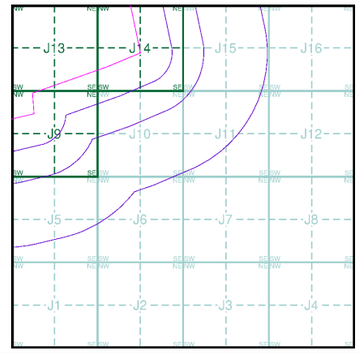
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice J



Order Details

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Customer Ref:	P02130089
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Slice:	J
Site Area (Ha):	1774.17
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Site Details

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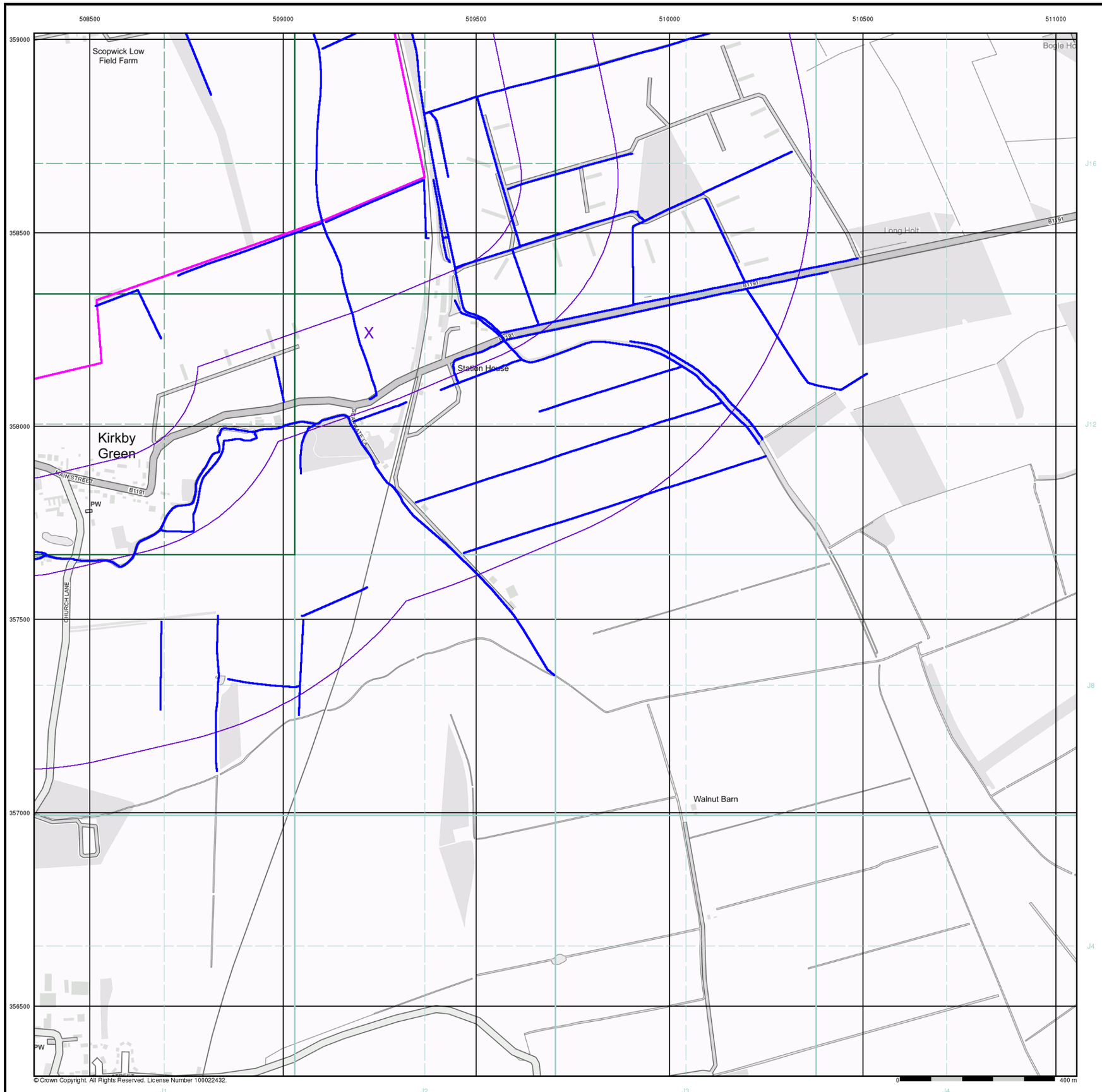

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RSK

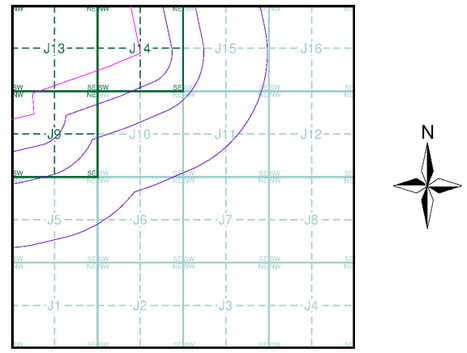
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice J



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Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
509220, 358240

Slice:
J

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	2
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	3
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	4
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	5
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	6
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1		1		
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2	2	1	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 3		1		
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 3		1		
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 4	Yes		n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Kirkby Green Location: Kirkby Green, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134835 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Cornbrash Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	J9SW (SW)	198	1	508645 358002
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	J13SW (W)	0	-	508587 358352
3	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Embankment First Map Published Date: 1973 Last Map Published Date: 1979	J14SE (NE)	0	-	509376 358420
4	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	J14SE (NE)	23	-	509425 358414

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	J9SW (SW)	197	-	508641 358001
6	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	J9SW (SW)	197	-	508641 358001

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
7	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
8	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	508167 357666
9	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J9SE (SW)	0	1	508874 357987
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J9SW (SW)	0	1	508604 357691
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507384 358184
10	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
11	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J9SE (SW)	0	1	508874 357987
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J10NE (NE)	0	1	509399 358323
12	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	J10NE (NE)	0	1	509399 358323
13	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	J9SW (SW)	0	1	508604 357691
14	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	J10NW (E)	0	1	509222 358242
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(SW)	0	1	508167 357666
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	J9SE (SW)	0	1	508874 357987

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0857	1979
Ordnance Survey Plan	TF0858	1979
Ordnance Survey Plan	TF0858	1979
Ordnance Survey Plan	TF0859	1979
Ordnance Survey Plan	TF0957	1979
Ordnance Survey Plan	TF0958	1979
Ordnance Survey Plan	TF0958	1979
Ordnance Survey Plan	TF0958	1979
Ordnance Survey Plan	TF0959	1979
Ordnance Survey Plan	TF0959	1979

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	087_NE	1891
Lincolnshire	087_SE	1891
Lincolnshire	087_NE	1906
Lincolnshire	087_SE	1906
Lincolnshire	087_NE	1947
Lincolnshire	087_SE	1947
Ordnance Survey Plan	TF05NE	1956
Ordnance Survey Plan	TF15NW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF05NE	1985
Ordnance Survey Plan	TF15NW	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

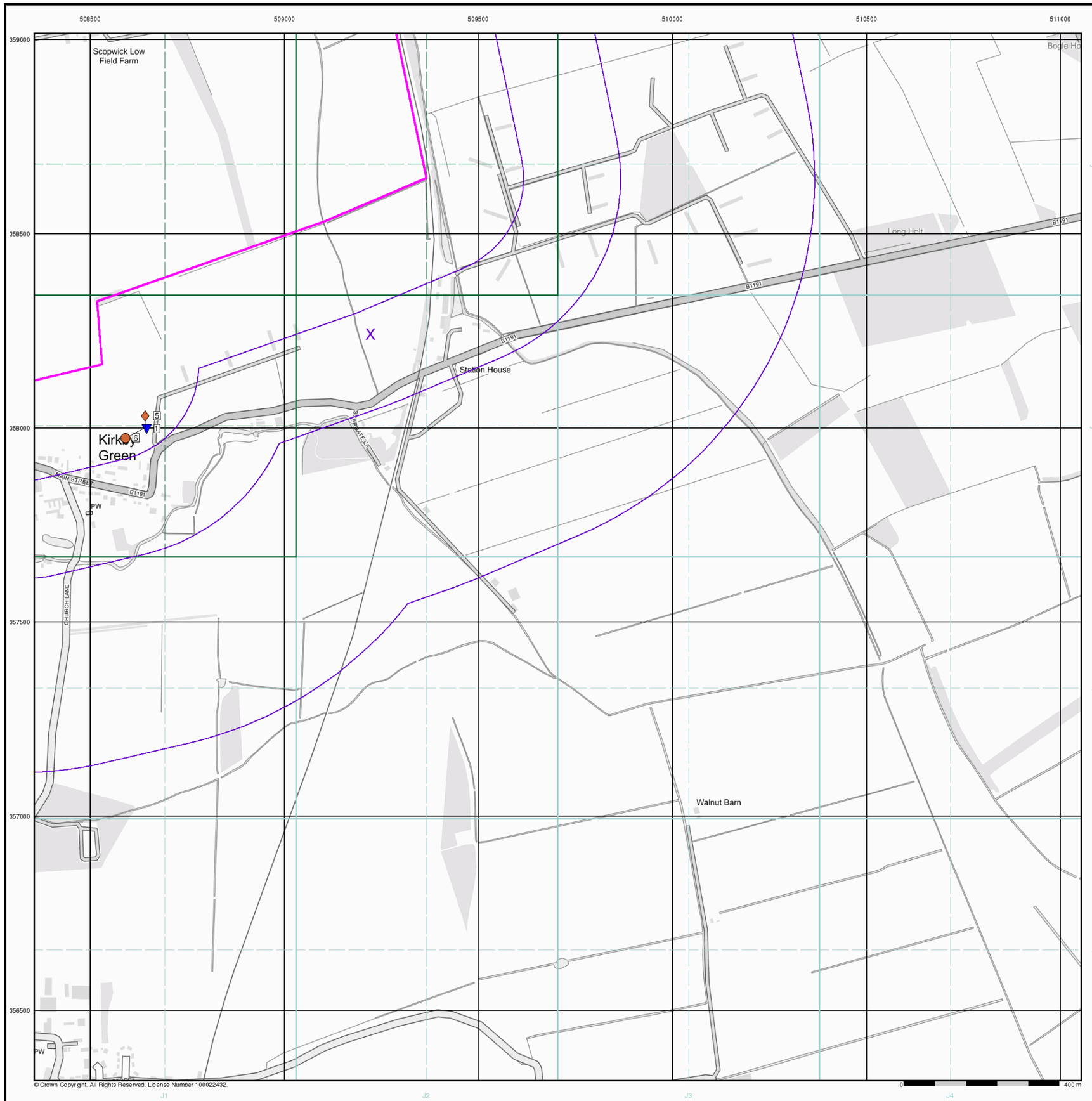
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

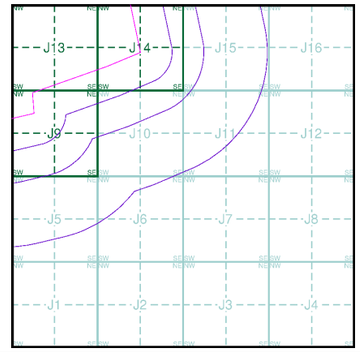
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice J



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Site Details

All Areas New

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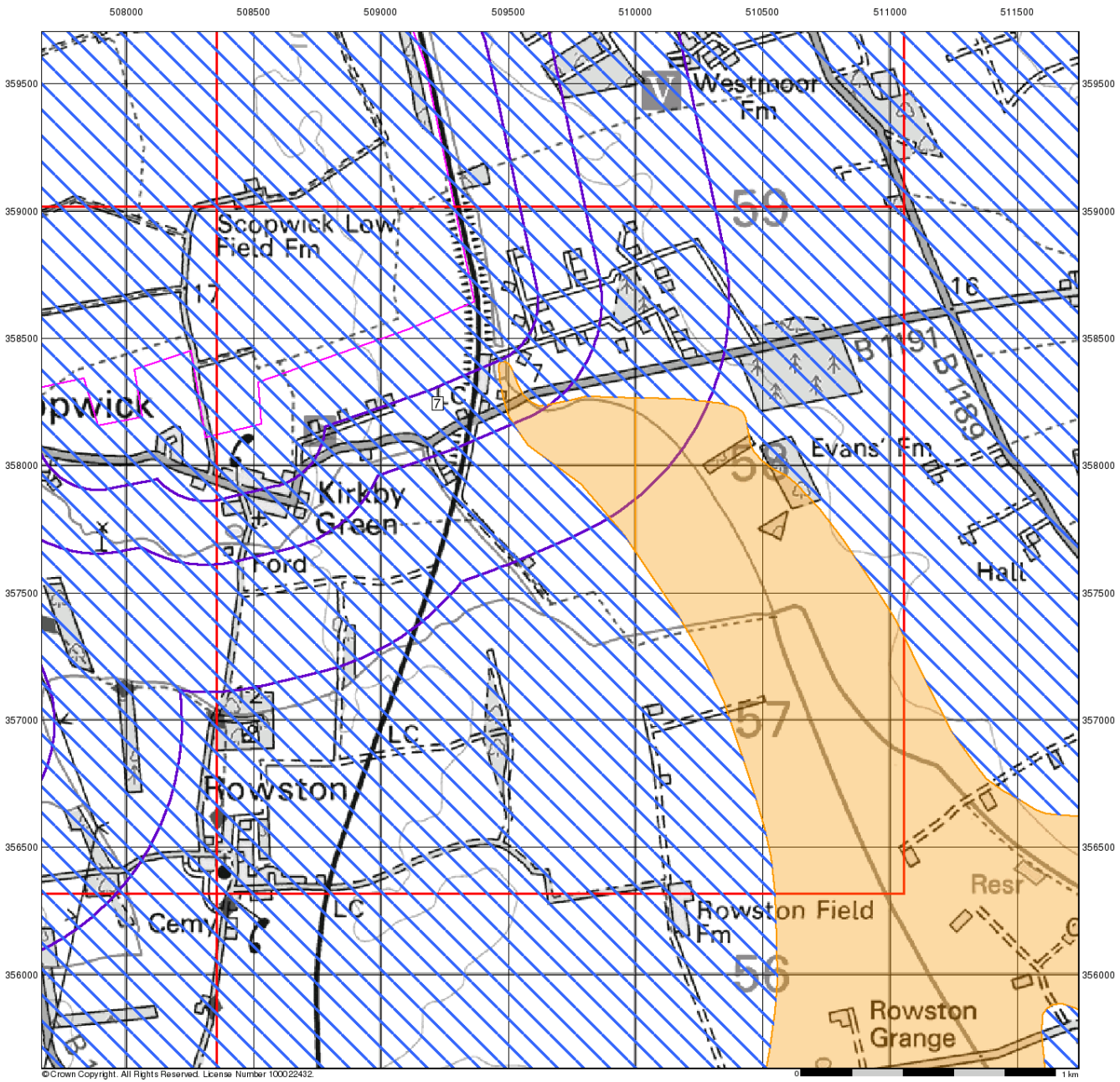

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

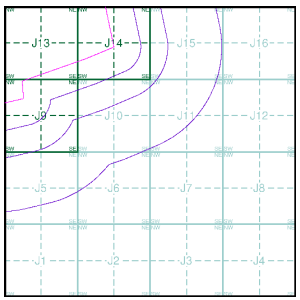
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice J



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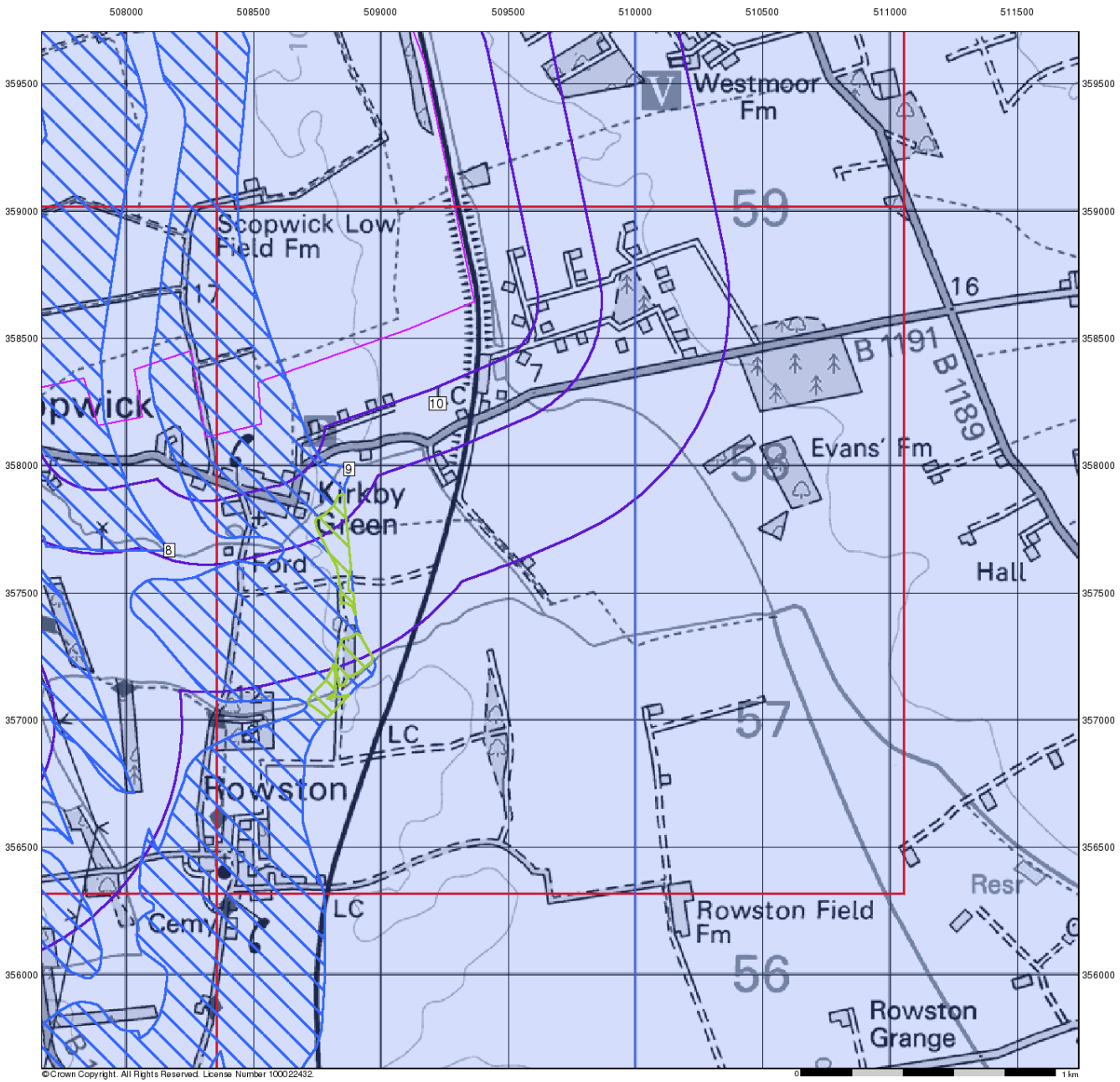

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

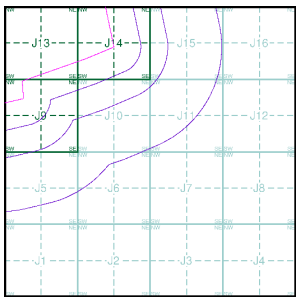
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice J



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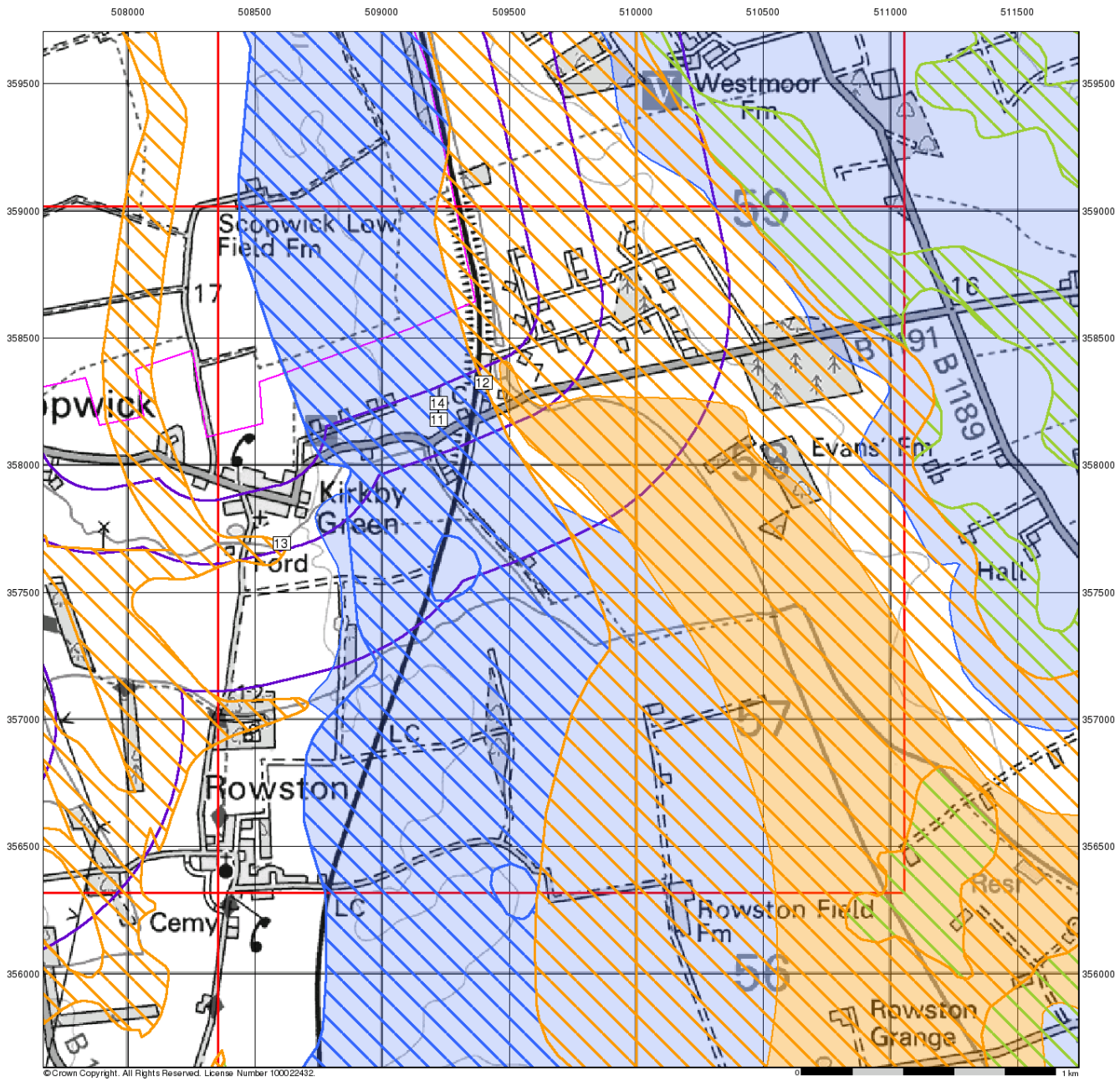

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

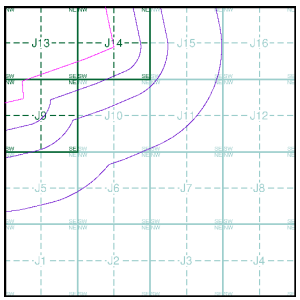
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice J



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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

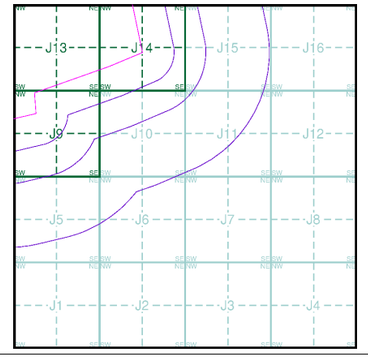
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1947	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1985	6
10K Raster Mapping	1:10,000	2000	7
Street View	Variable		8

Historical Map - Slice J



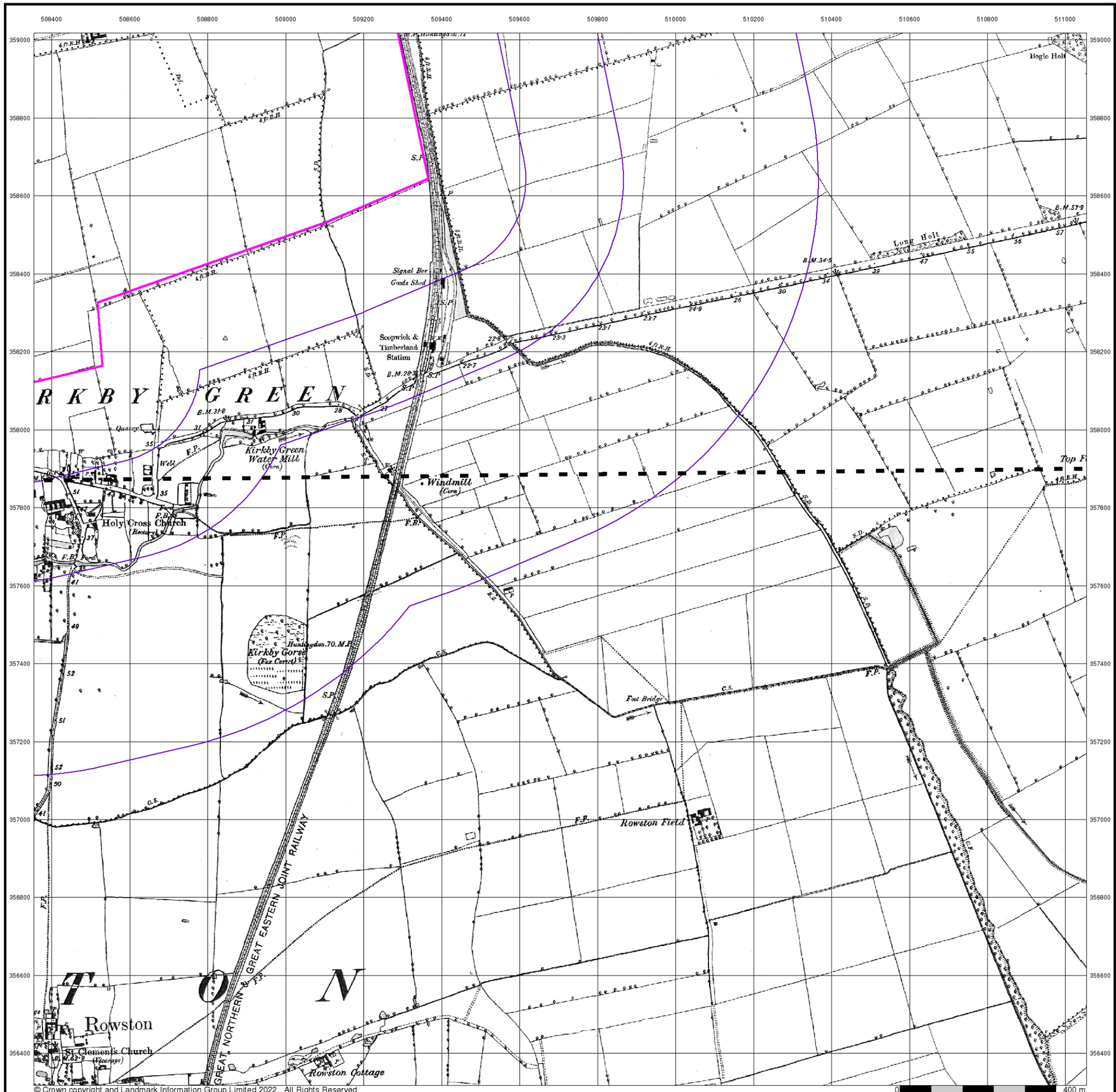
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 509220, 358240
Slice: J
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1887

Source map scale - 1:10,560

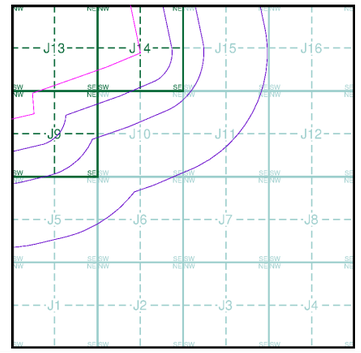
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

087NE
1887
1:10,560

087SE
1887
1:10,560

Historical Map - Slice J



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
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Site Details

All Areas New

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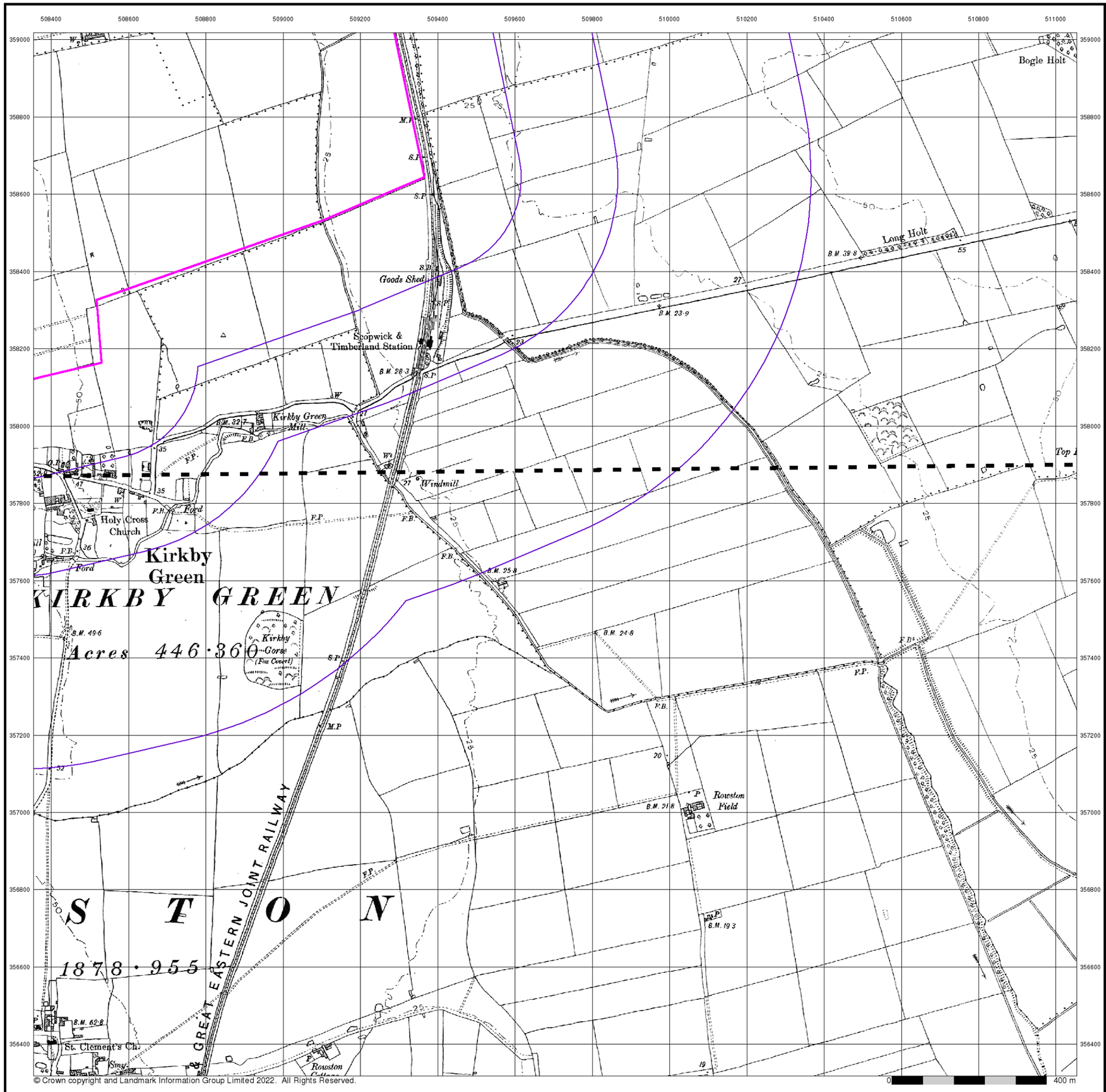

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Lincolnshire

Published 1906

Source map scale - 1:10,560

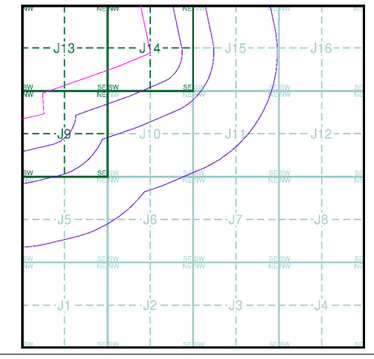
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

087NE
1906
1:10,560

087SE
1906
1:10,560

Historical Map - Slice J



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP

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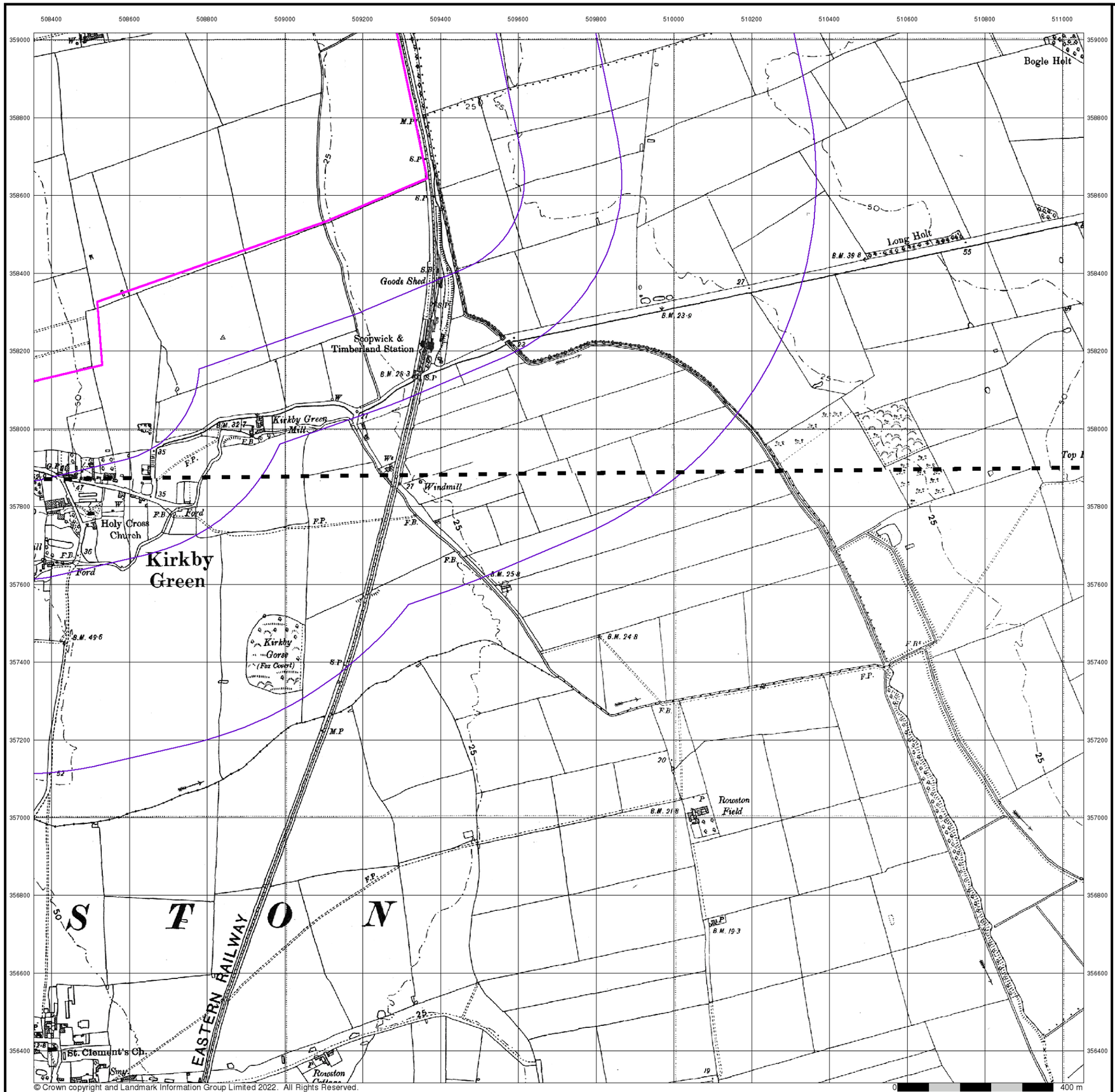

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Lincolnshire

Published 1947

Source map scale - 1:10,560

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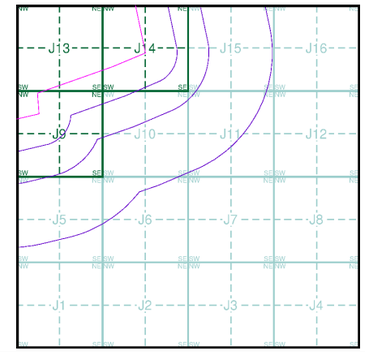
Map Name(s) and Date(s)

087NE
1947
1:10,560

087SE
1947
1:10,560

Historical Map - Slice J



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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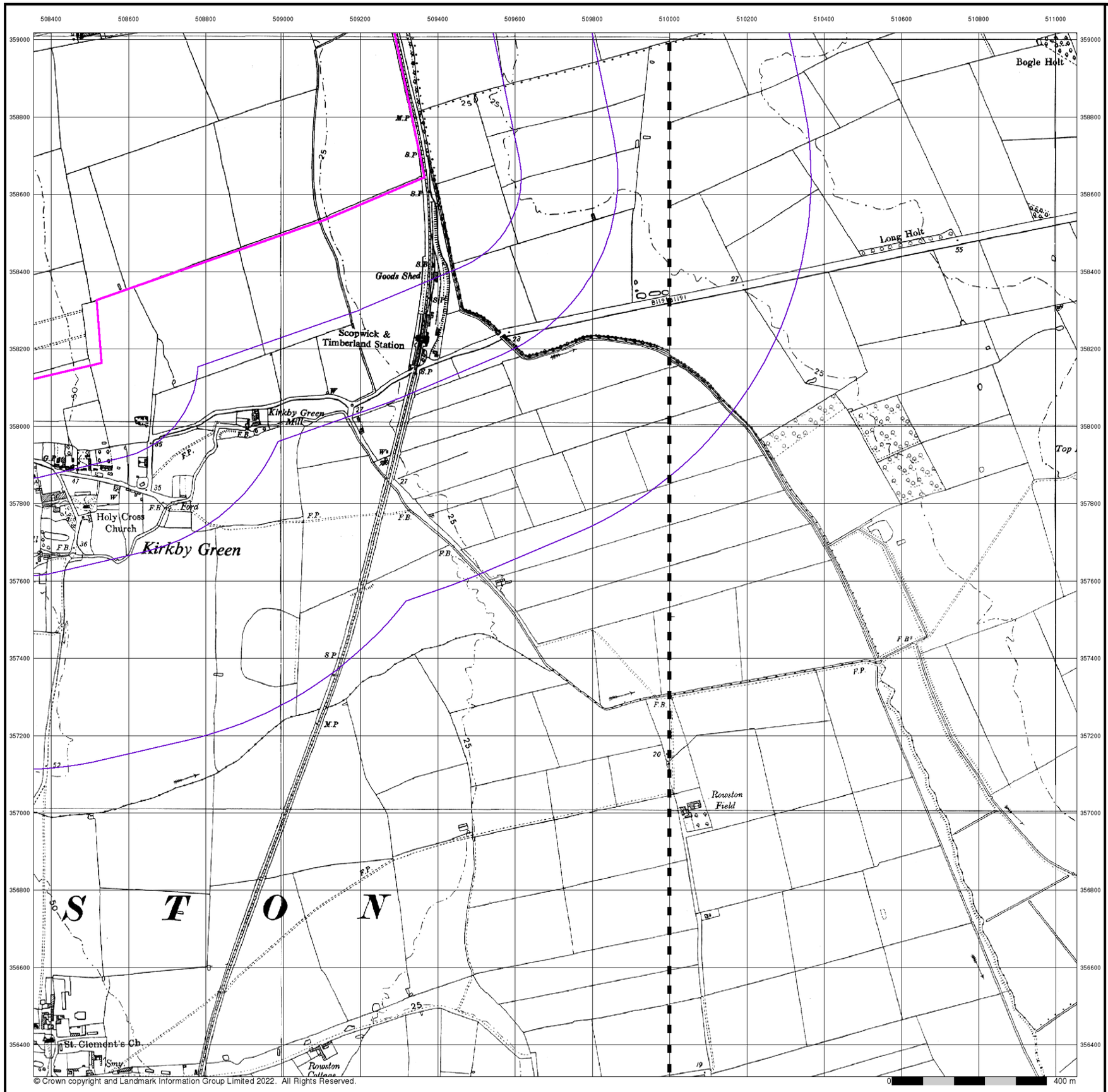

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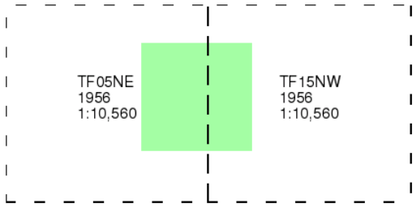
Ordnance Survey Plan

Published 1956

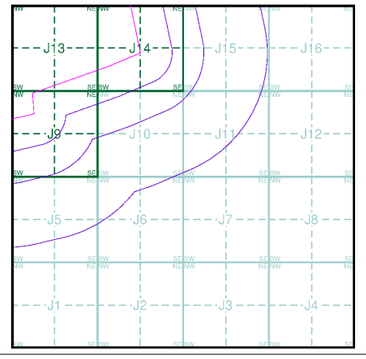
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice J



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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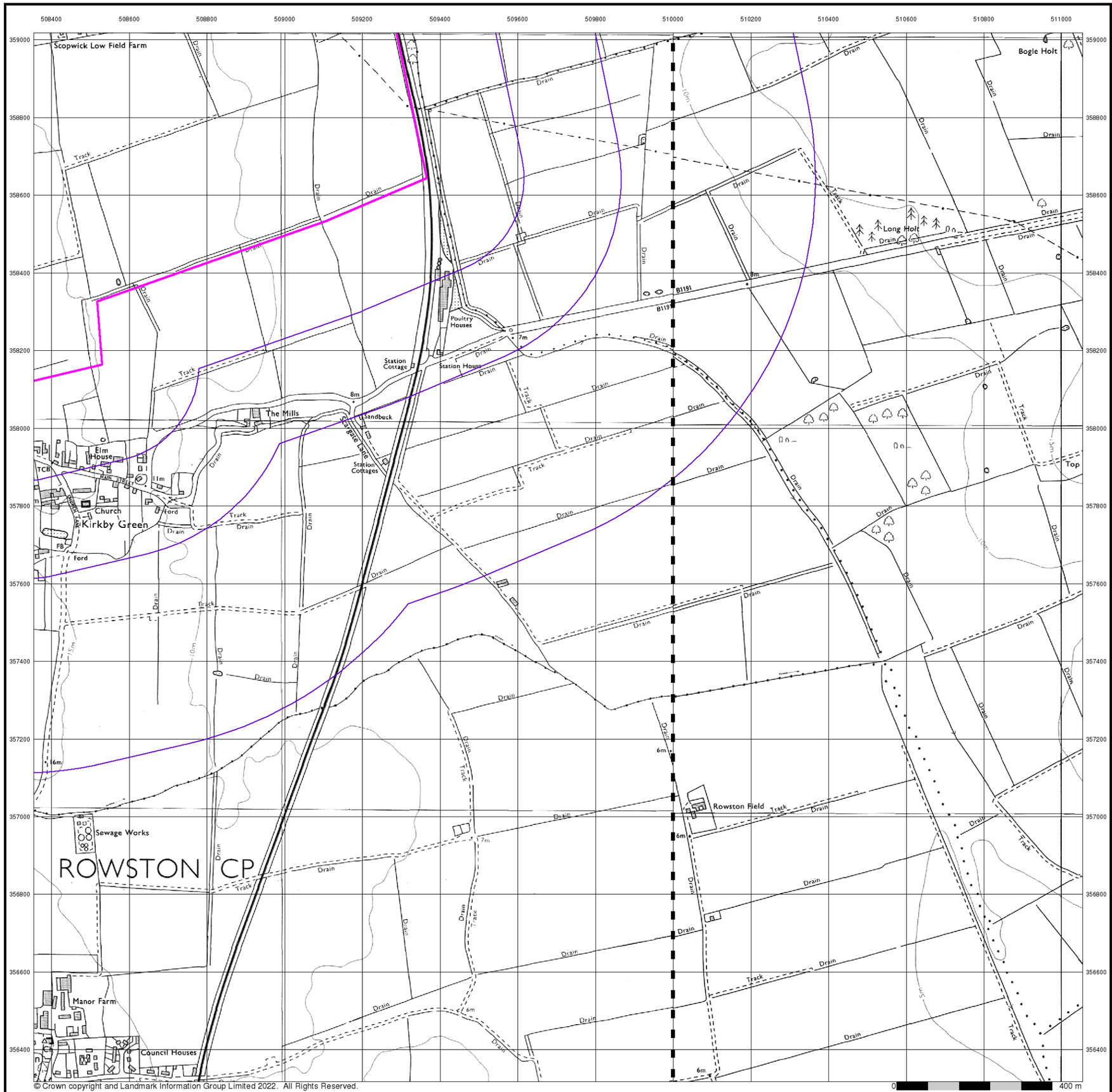
Web: www.envirocheck.co.uk



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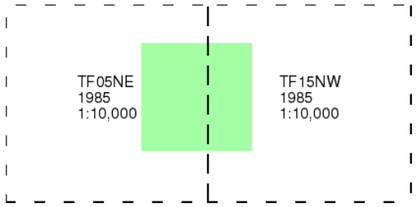
Ordnance Survey Plan

Published 1985

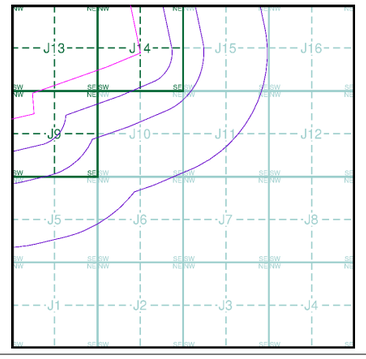
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice J



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
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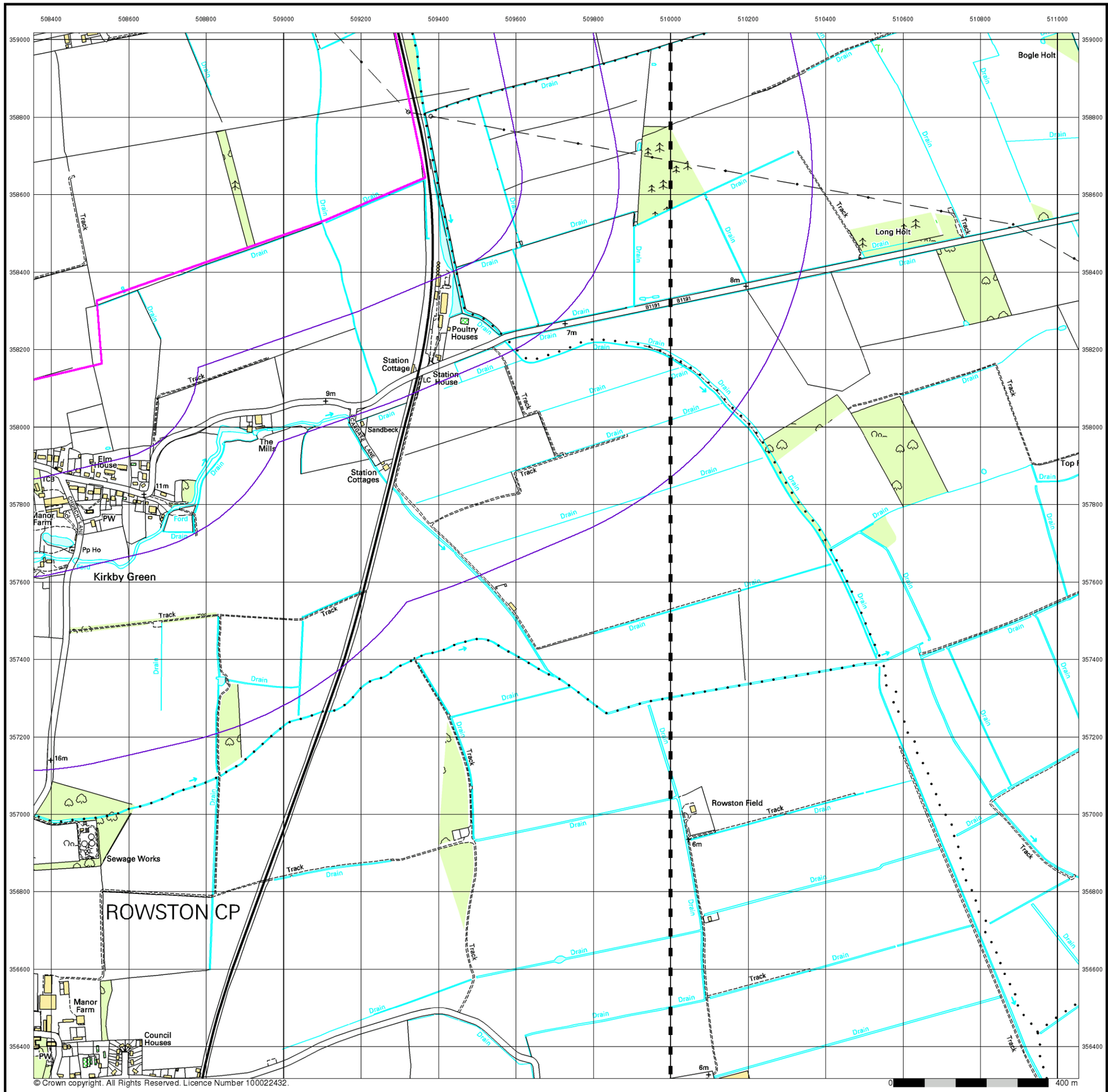
Web: www.envirocheck.co.uk



RSK

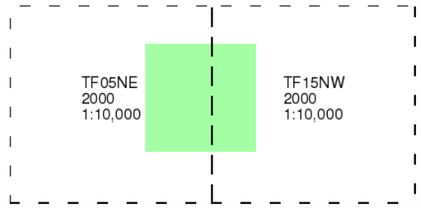
10k Raster Mapping

Published 2000

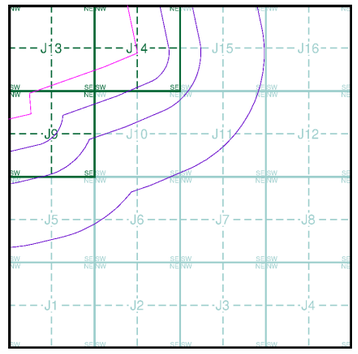
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)



Historical Map - Slice J



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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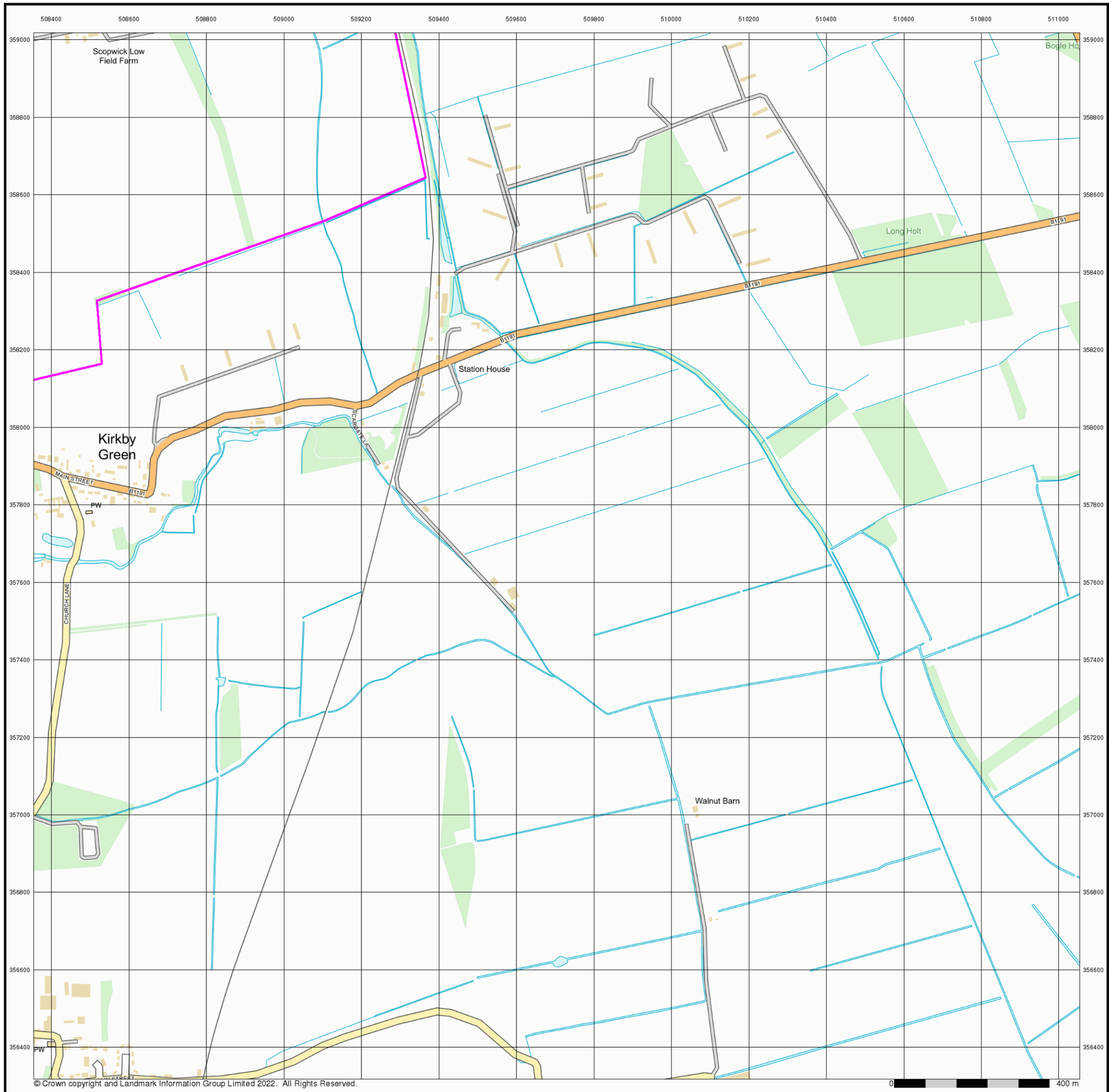
Web: www.envirocheck.co.uk



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Street View

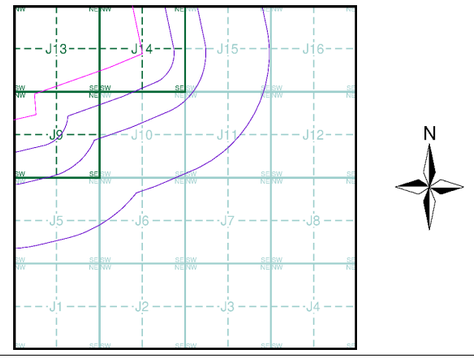
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice J



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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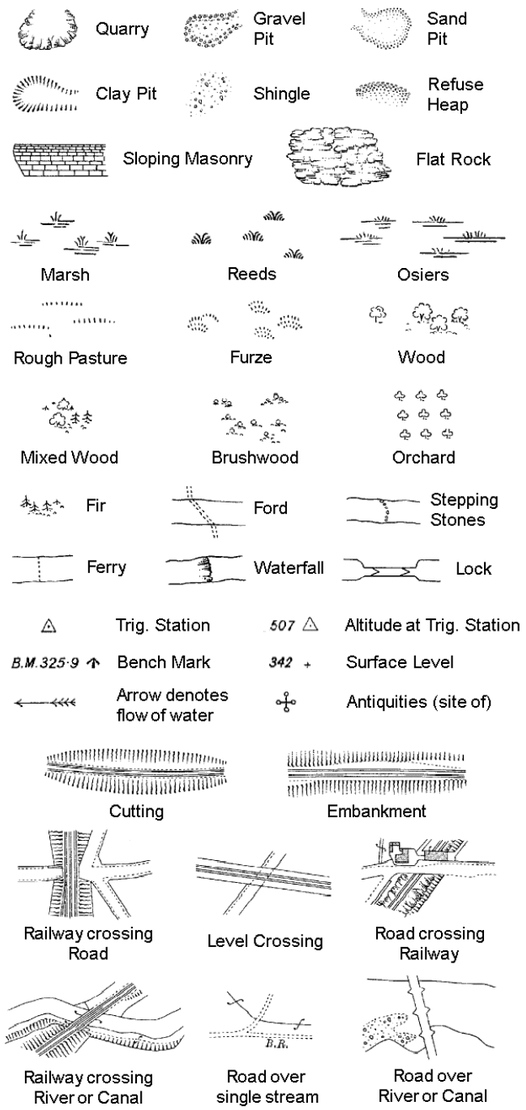
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

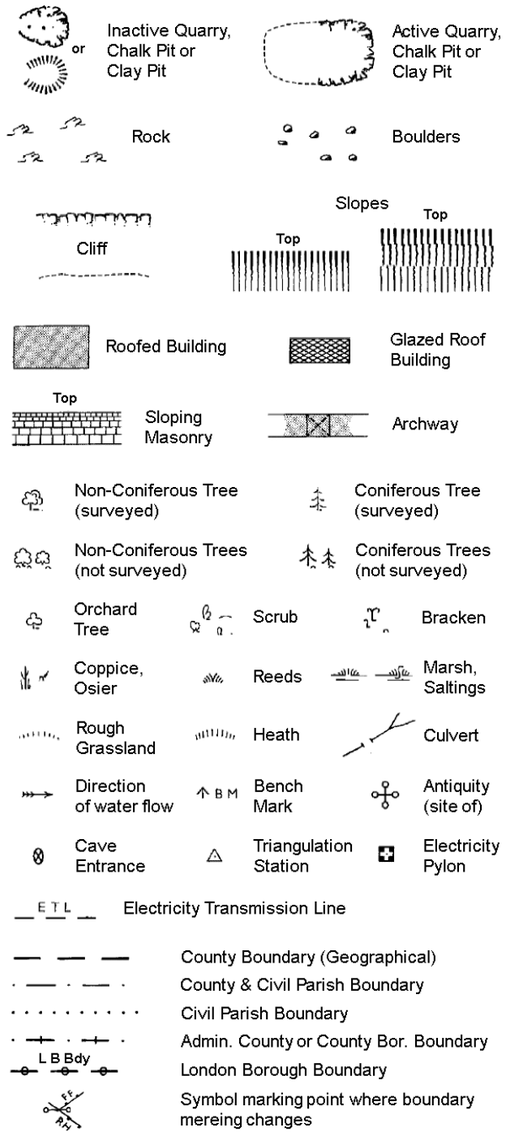
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

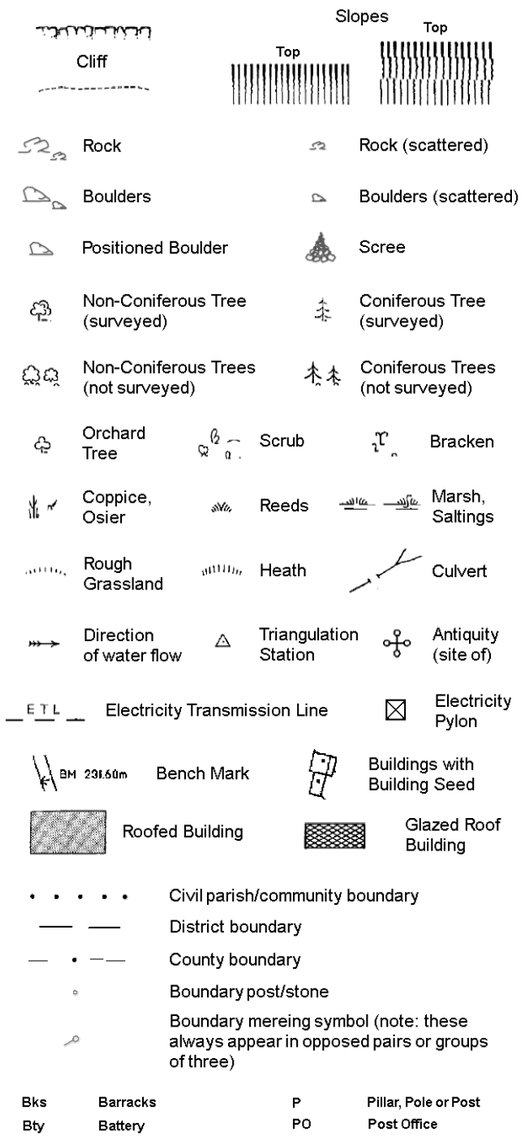
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

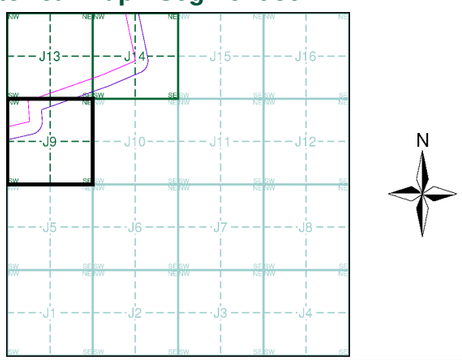
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment J9



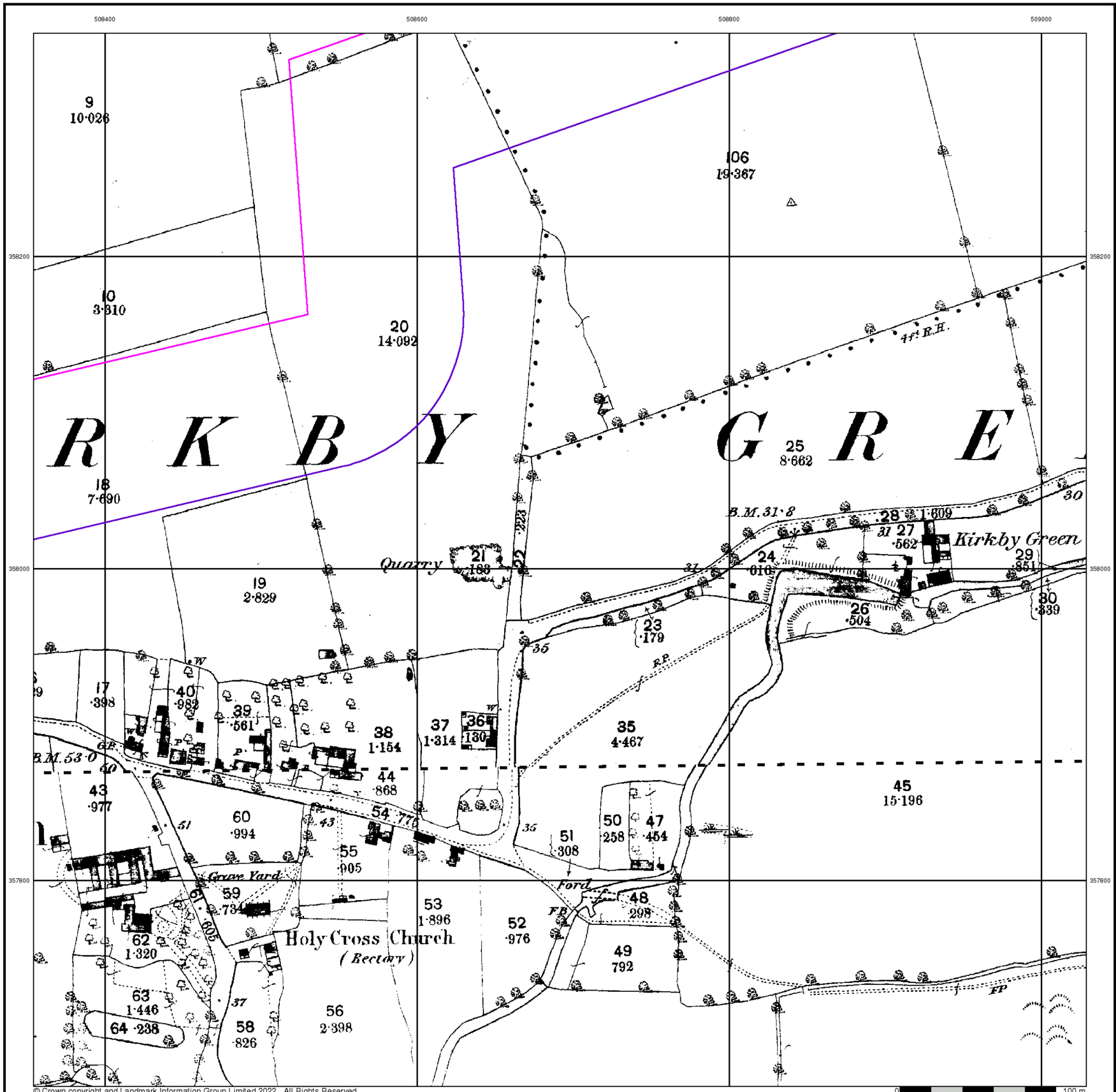
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

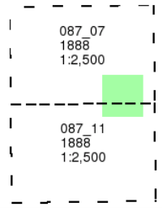
Lincolnshire

Published 1888

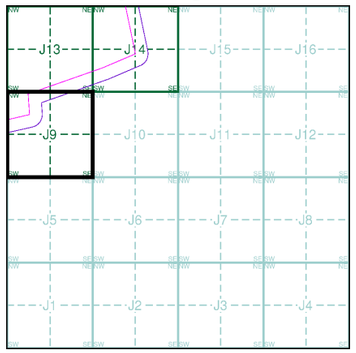
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment J9



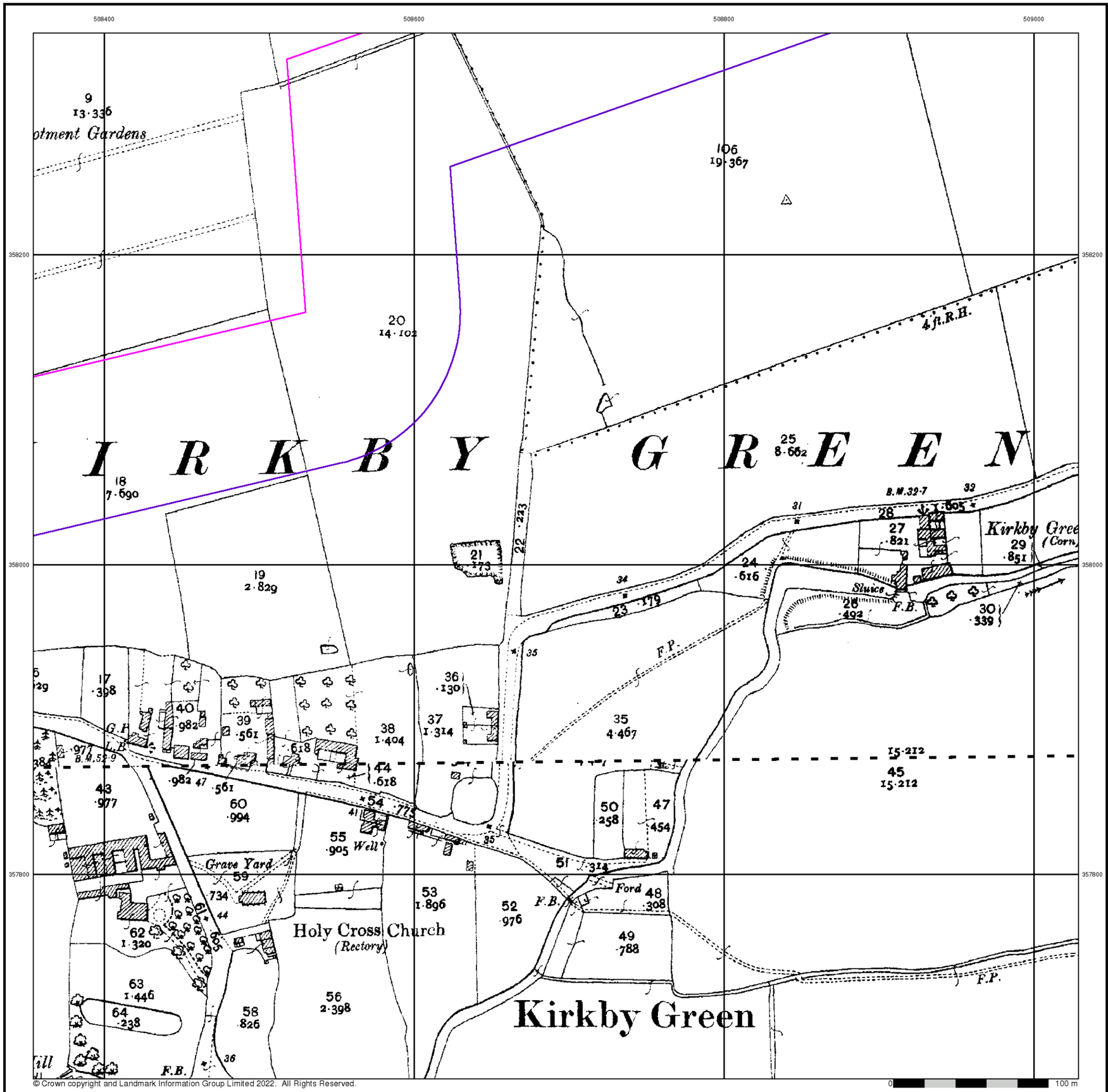
Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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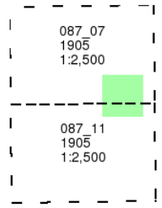
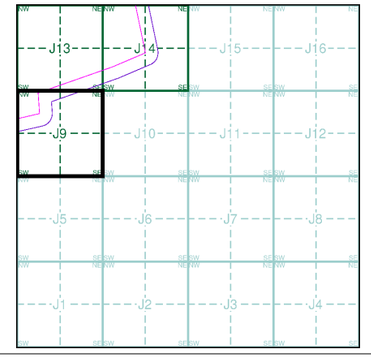


Historical Map - Segment J9



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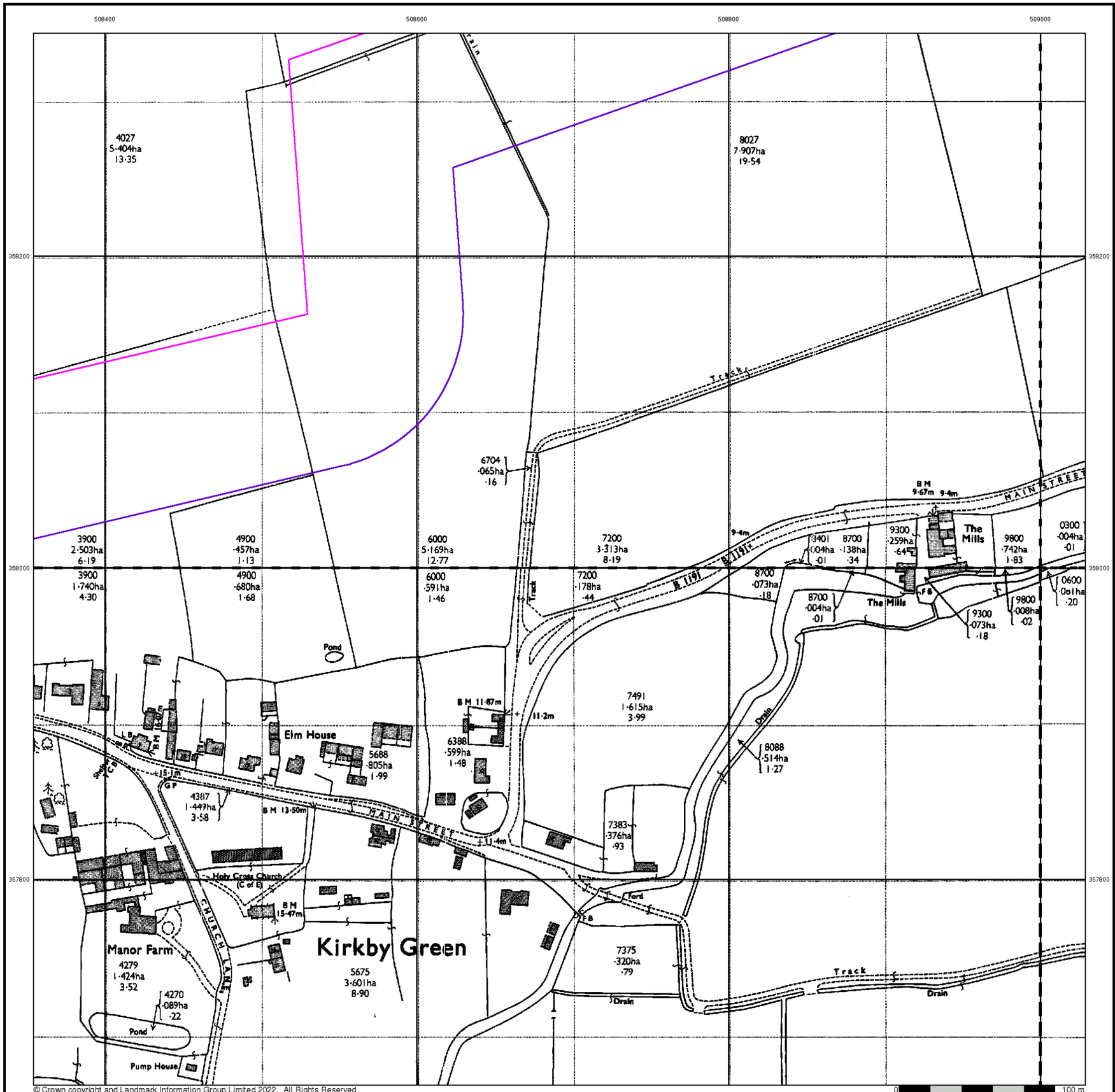


RSK

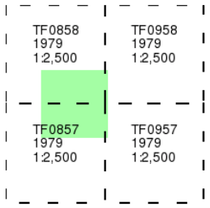
Ordnance Survey Plan

Published 1979

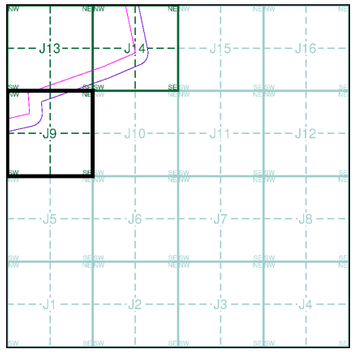
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment J9



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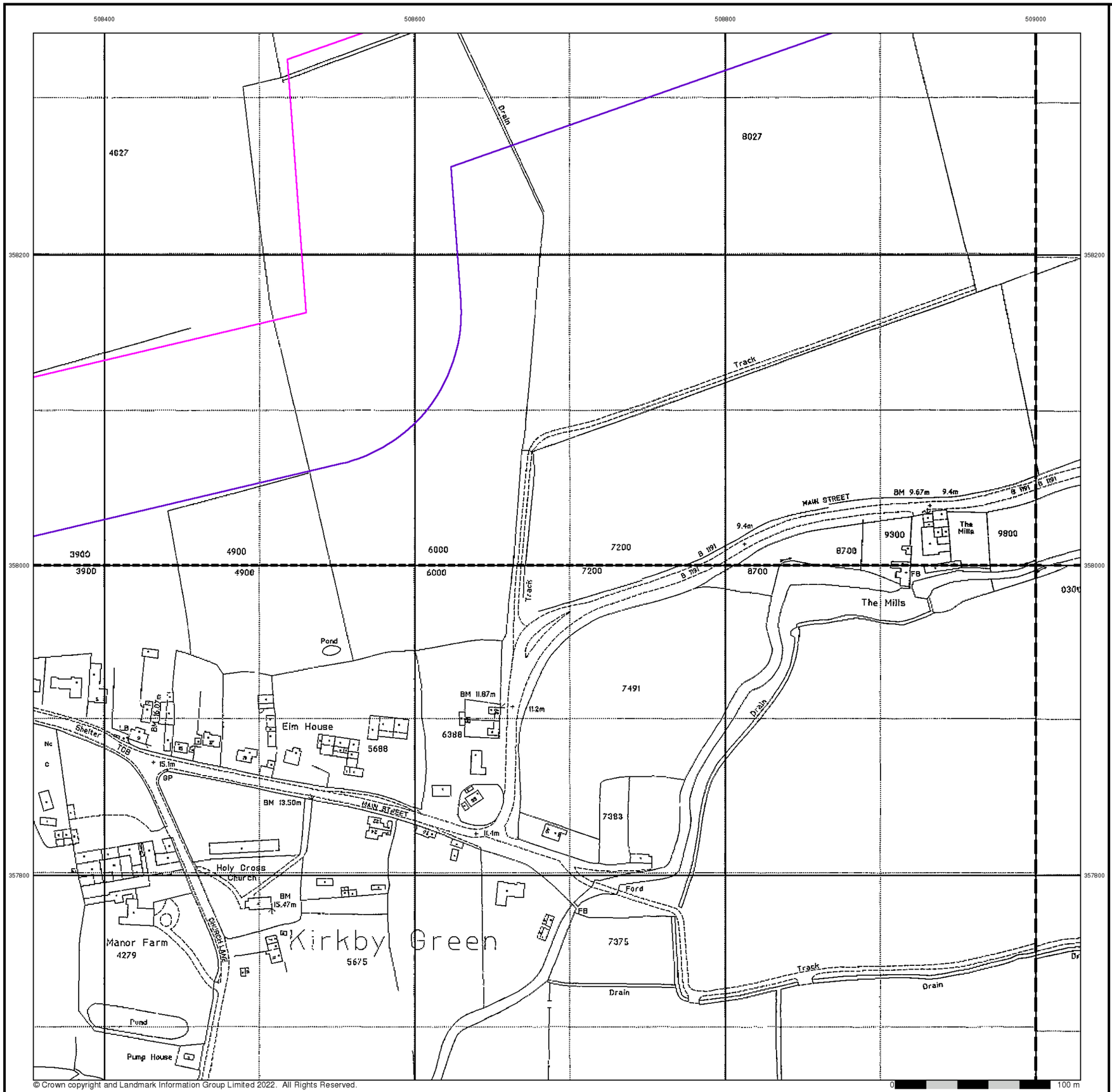

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RSK

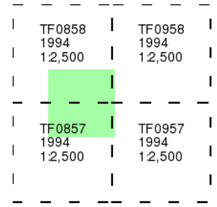
Large-Scale National Grid Data

Published 1994

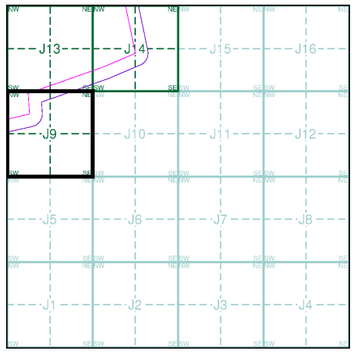
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment J9



Order Details

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Site Details

All Areas New

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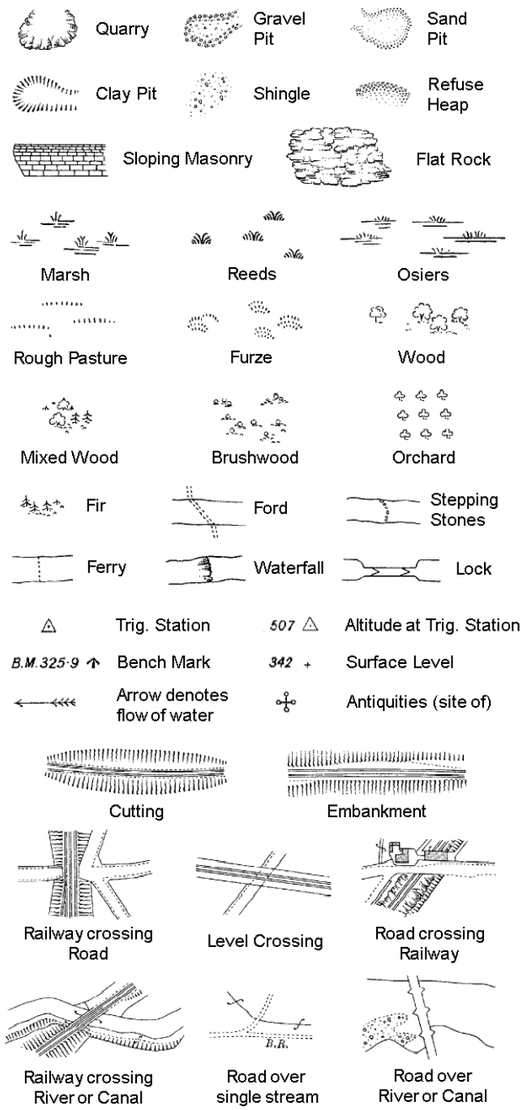
Web: www.envirocheck.co.uk

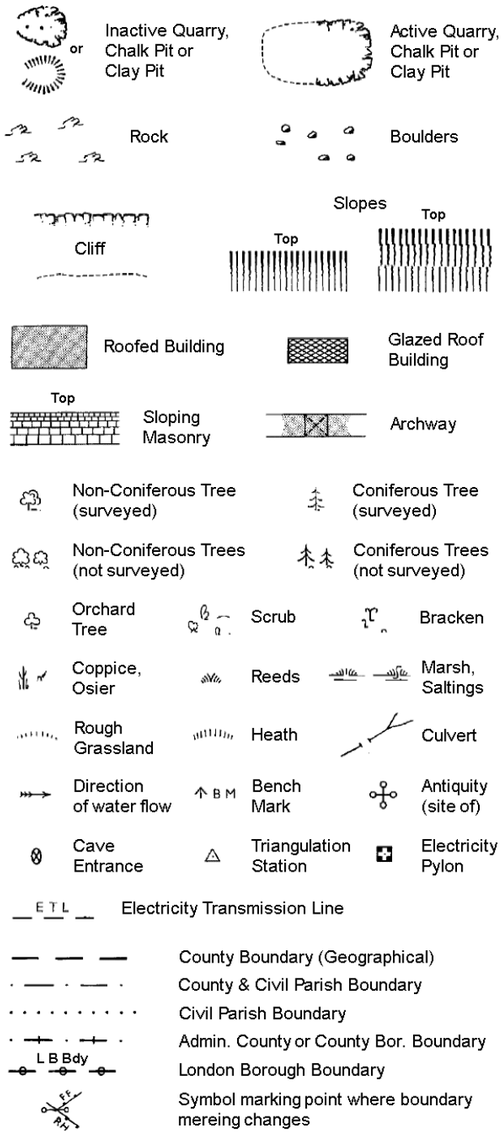
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



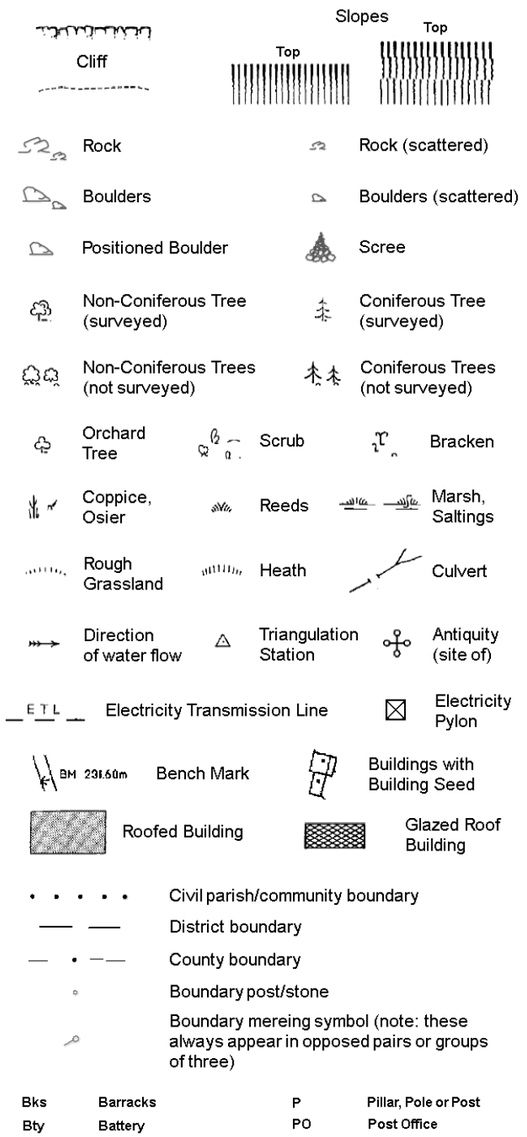
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



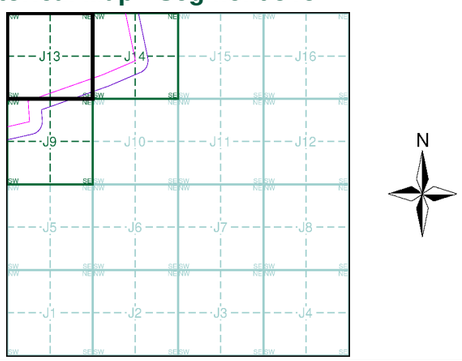
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment J13



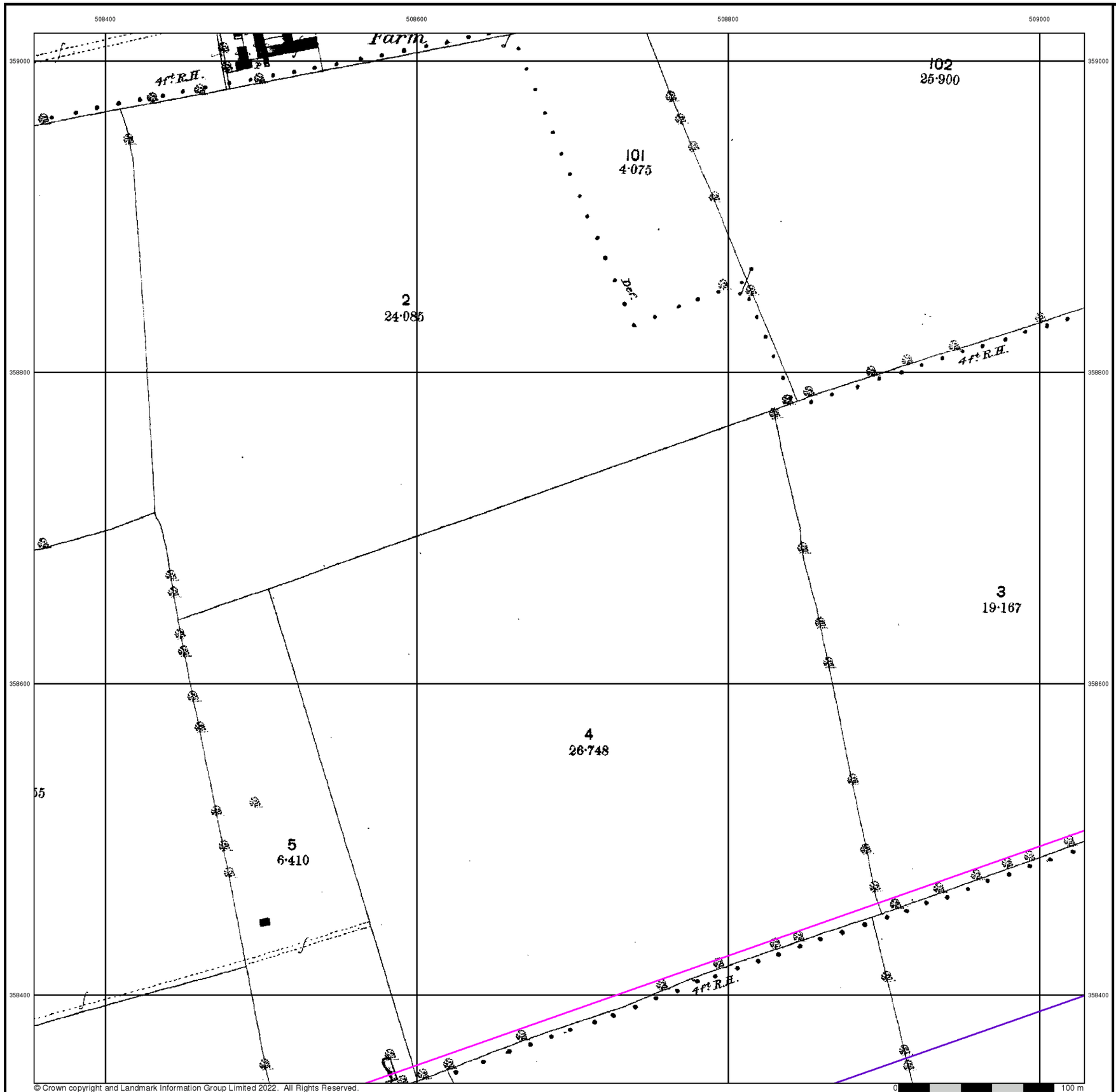
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 509220, 358240
Slice: J
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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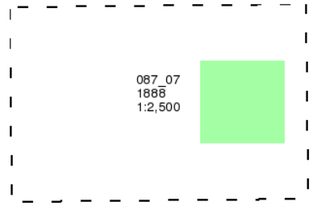
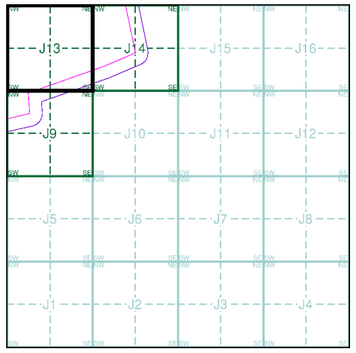


Historical Map - Segment J13



Order Details

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Site Details

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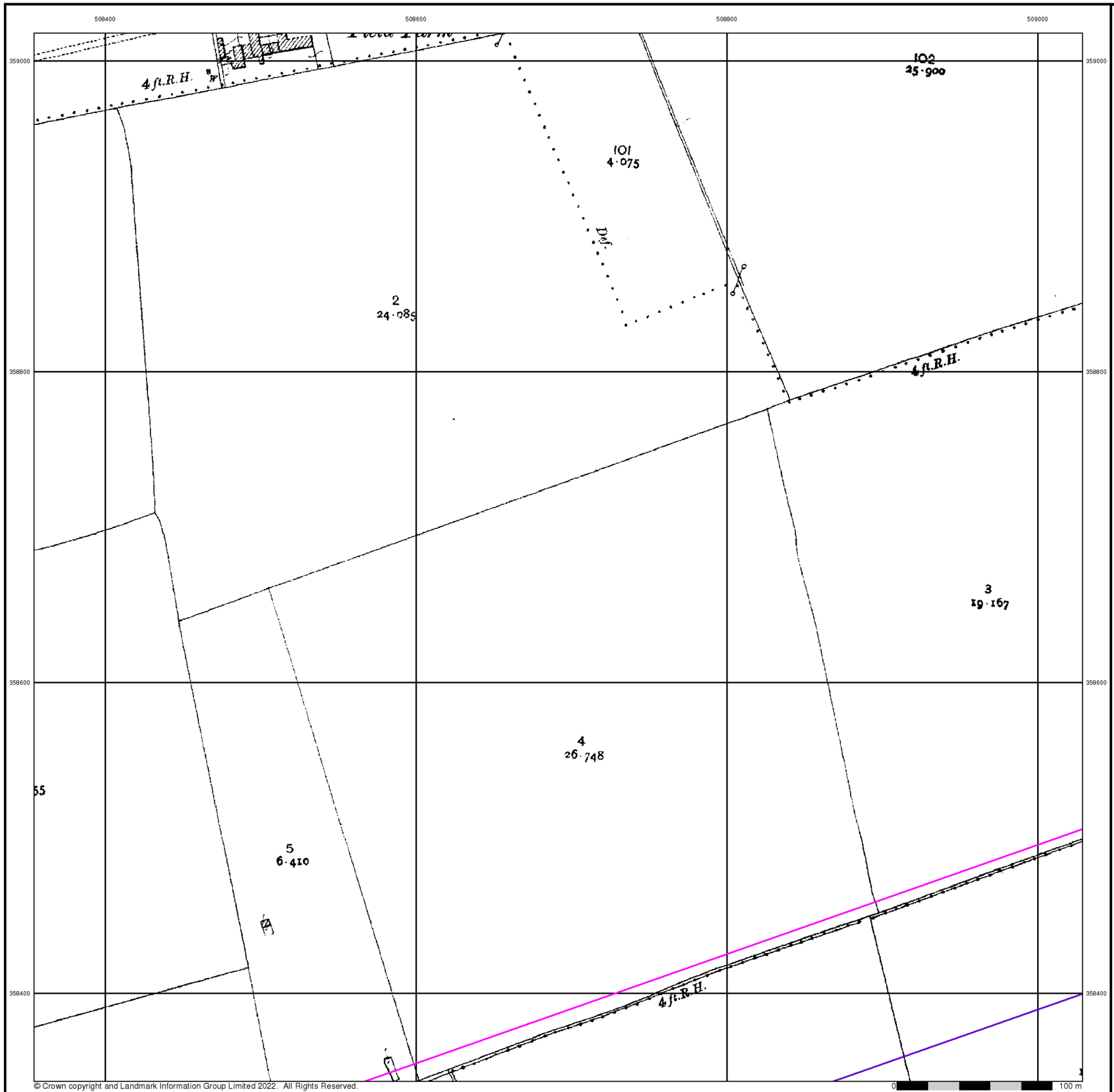

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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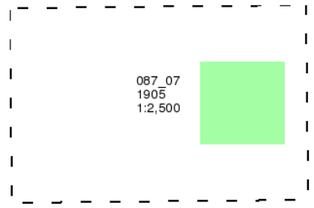
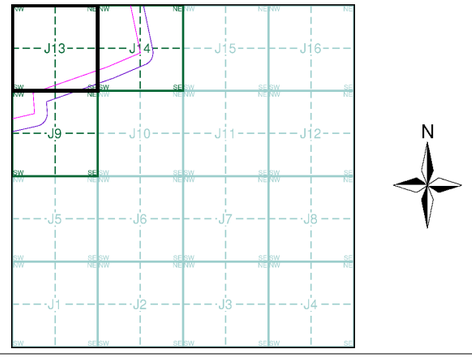


Historical Map - Segment J13



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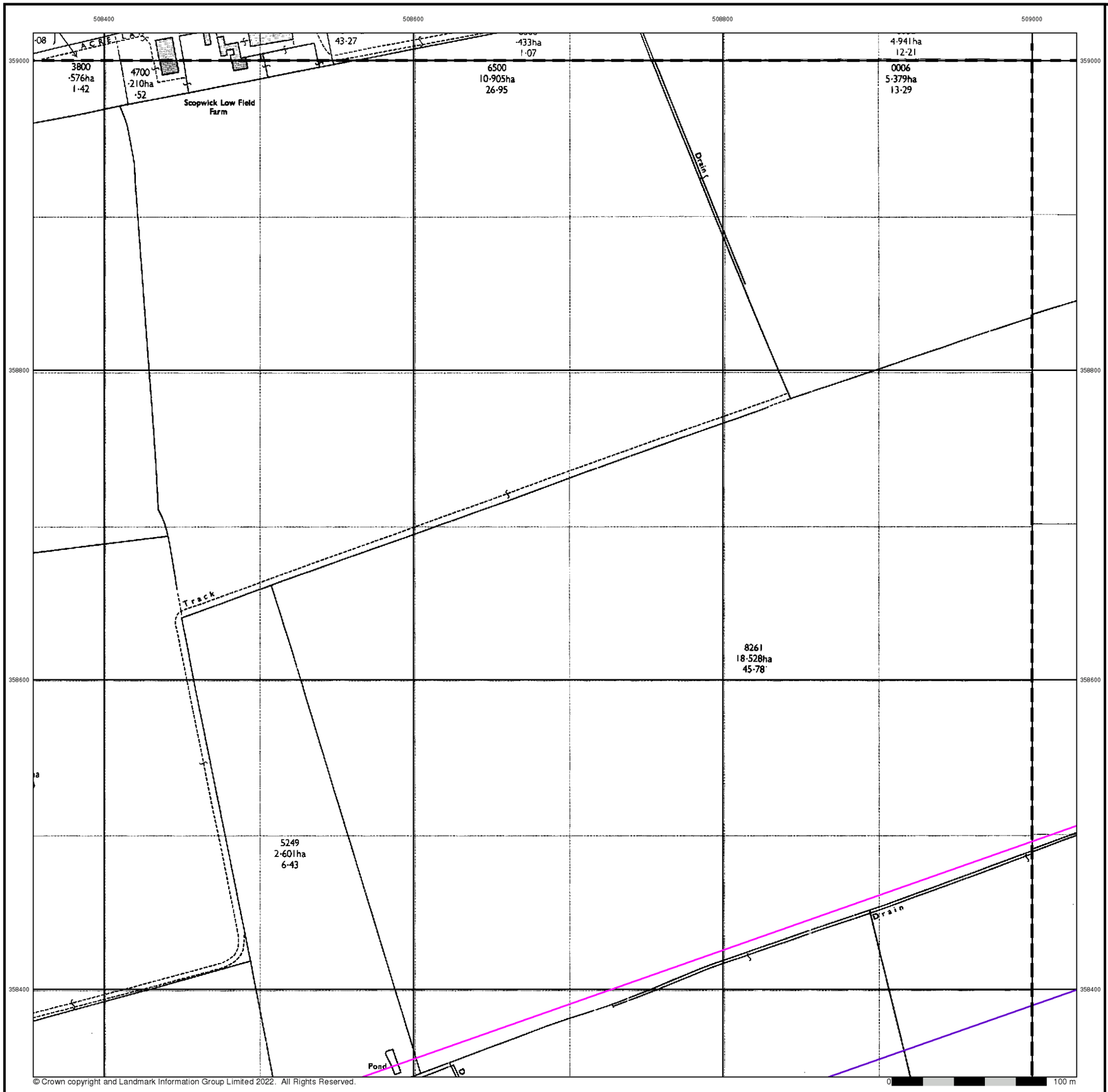

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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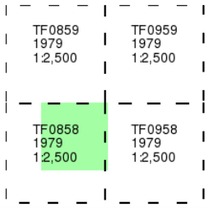
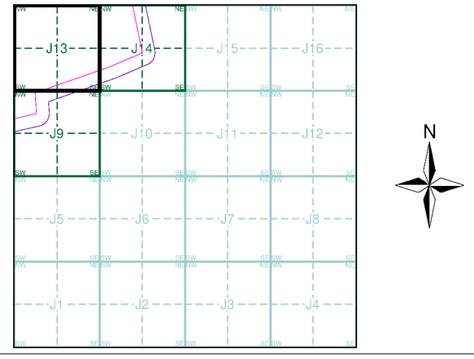


Historical Map - Segment J13



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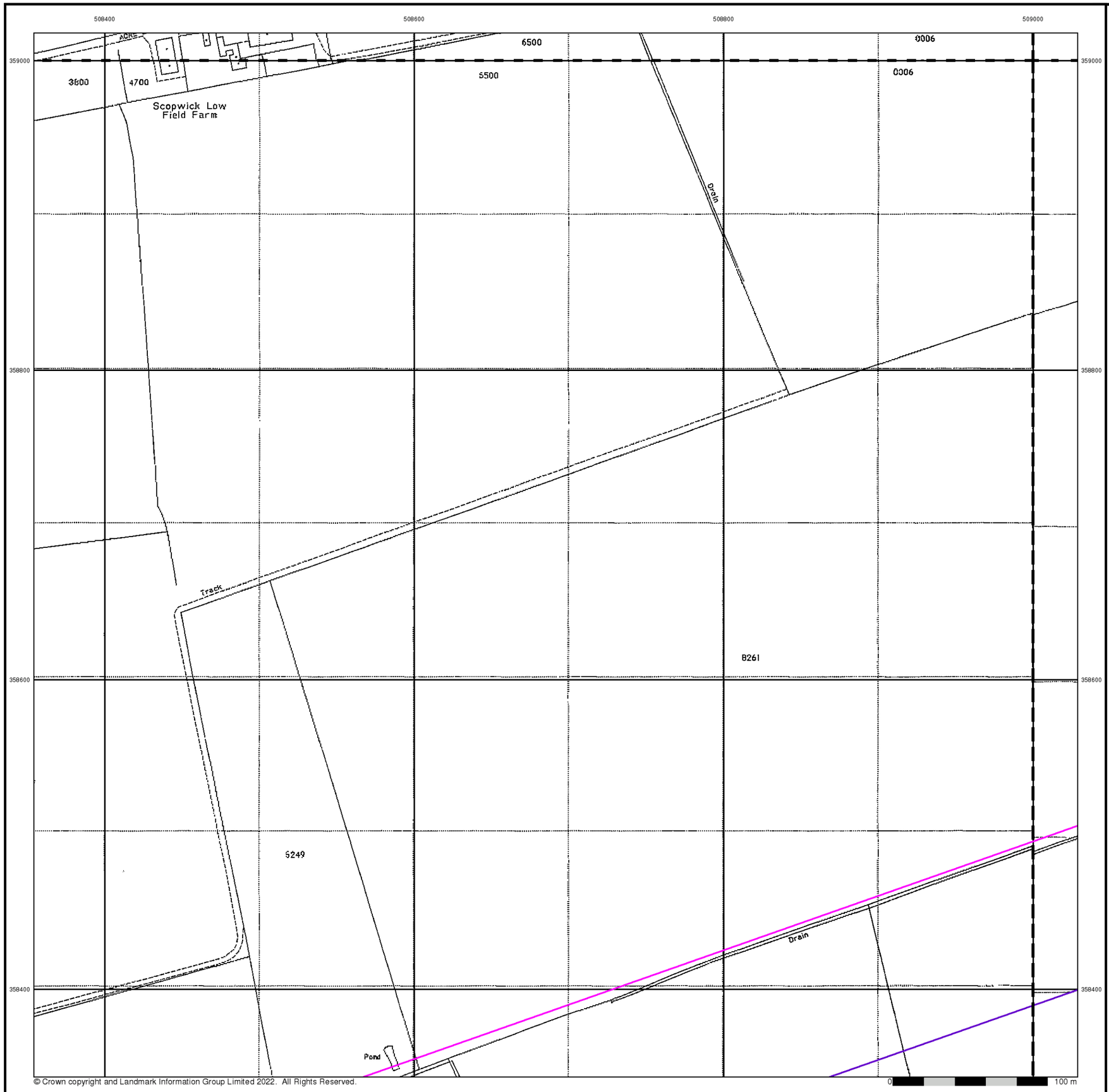

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RSK

Large-Scale National Grid Data

Published 1994

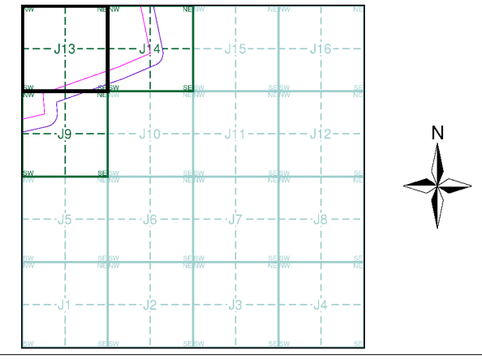
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TF0859 1994 1:2,500	TF0959 1994 1:2,500
TF0858 1994 1:2,500	TF0958 1994 1:2,500

Historical Map - Segment J13



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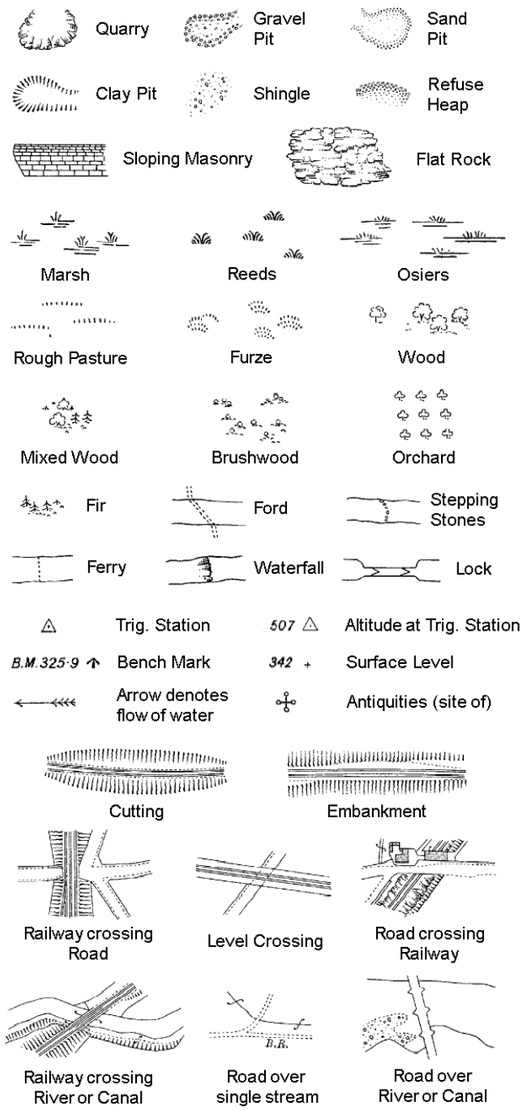
Historical Mapping Legends

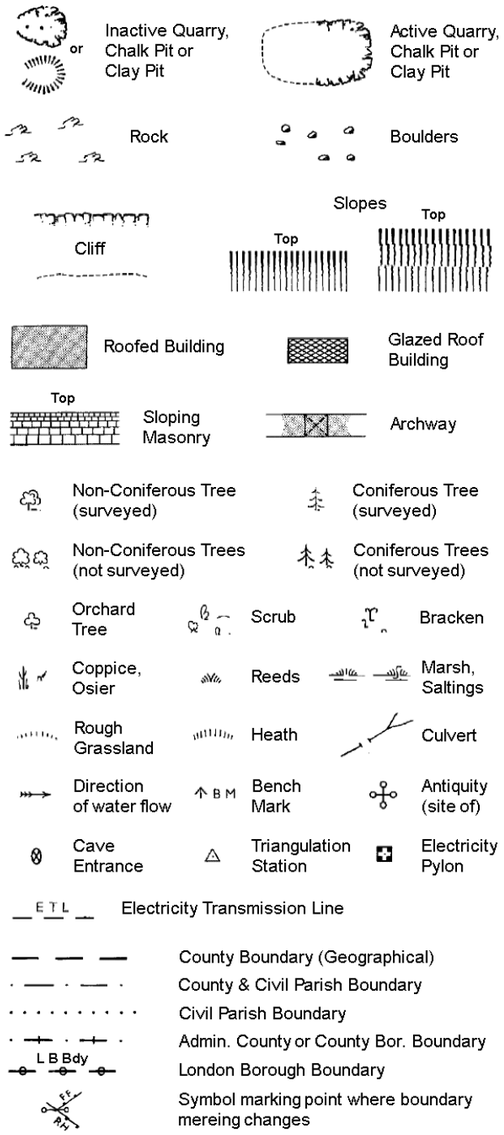
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

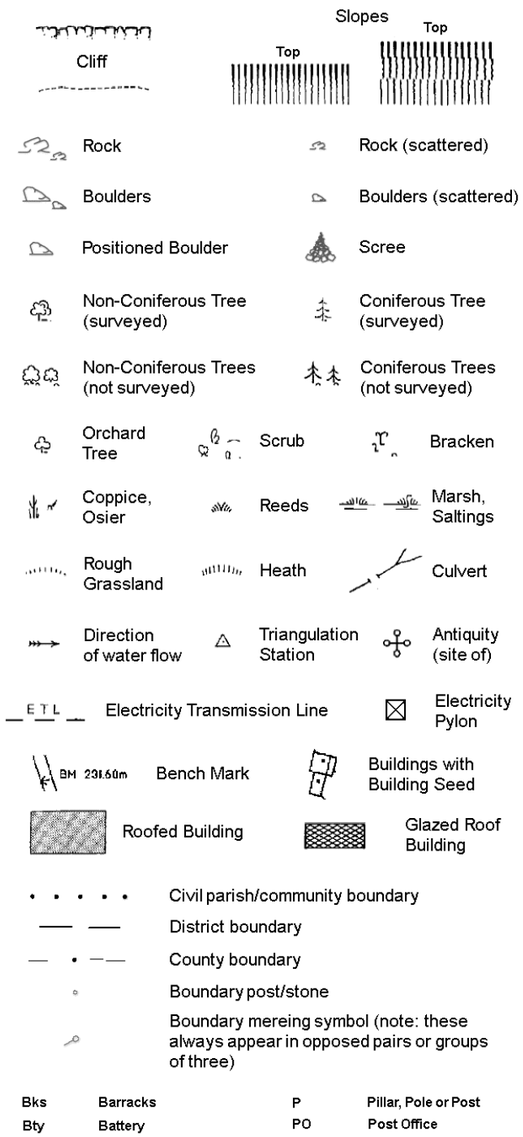
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

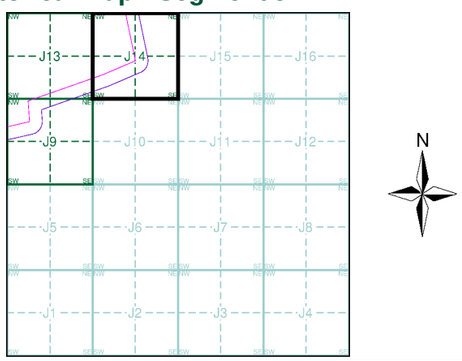
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment J14



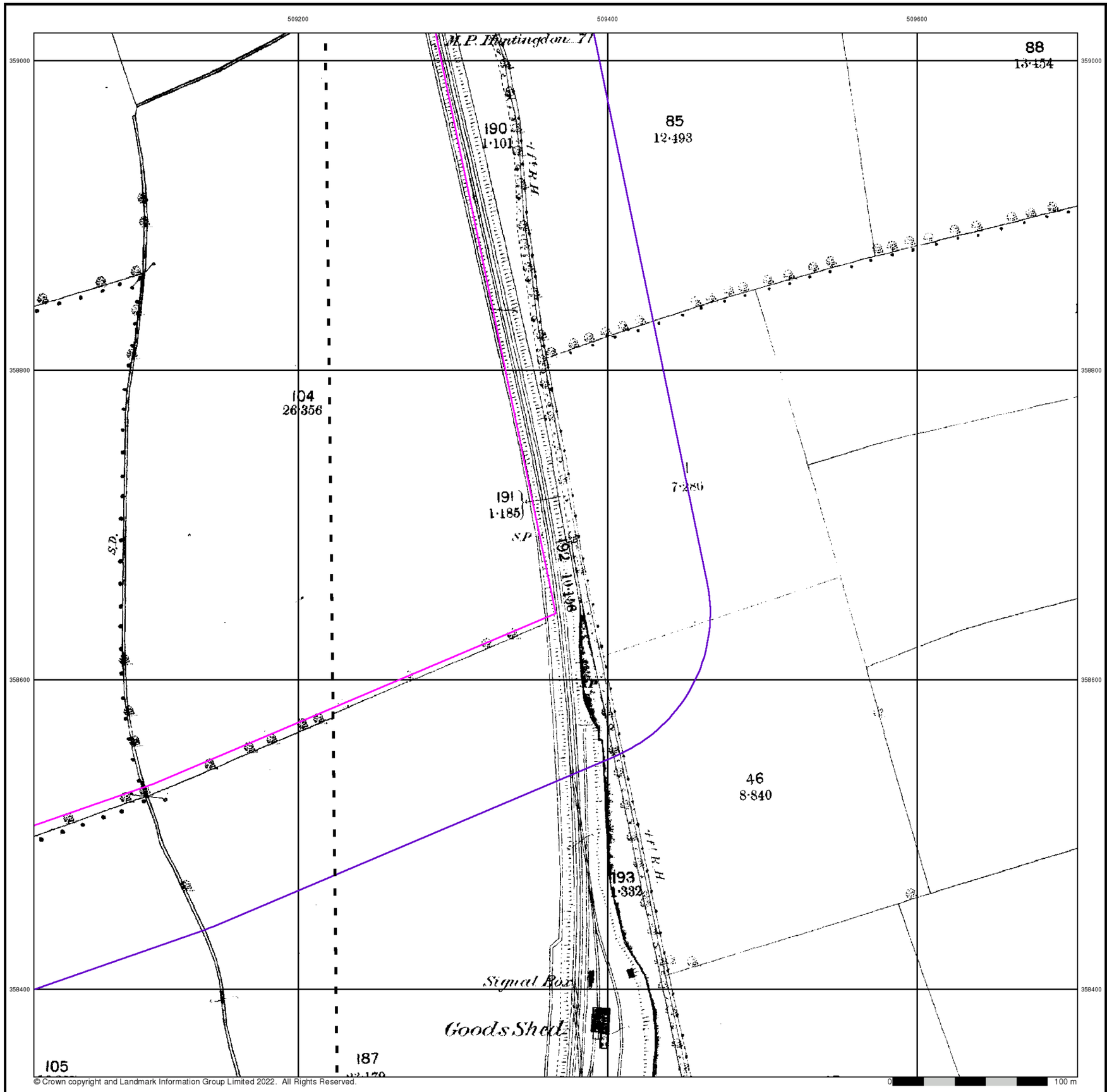
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 509220, 358240
Slice: J
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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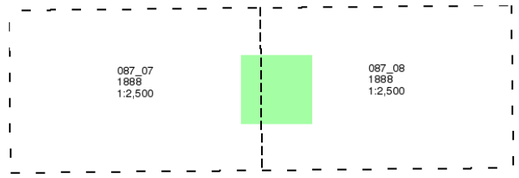
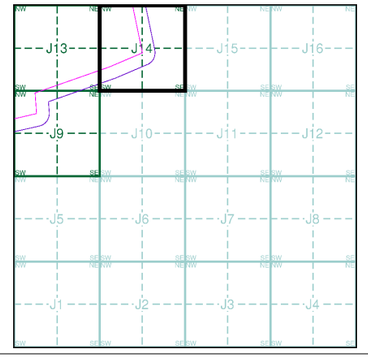
Map Name(s) and Date(s)



Historical Map - Segment J14



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
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Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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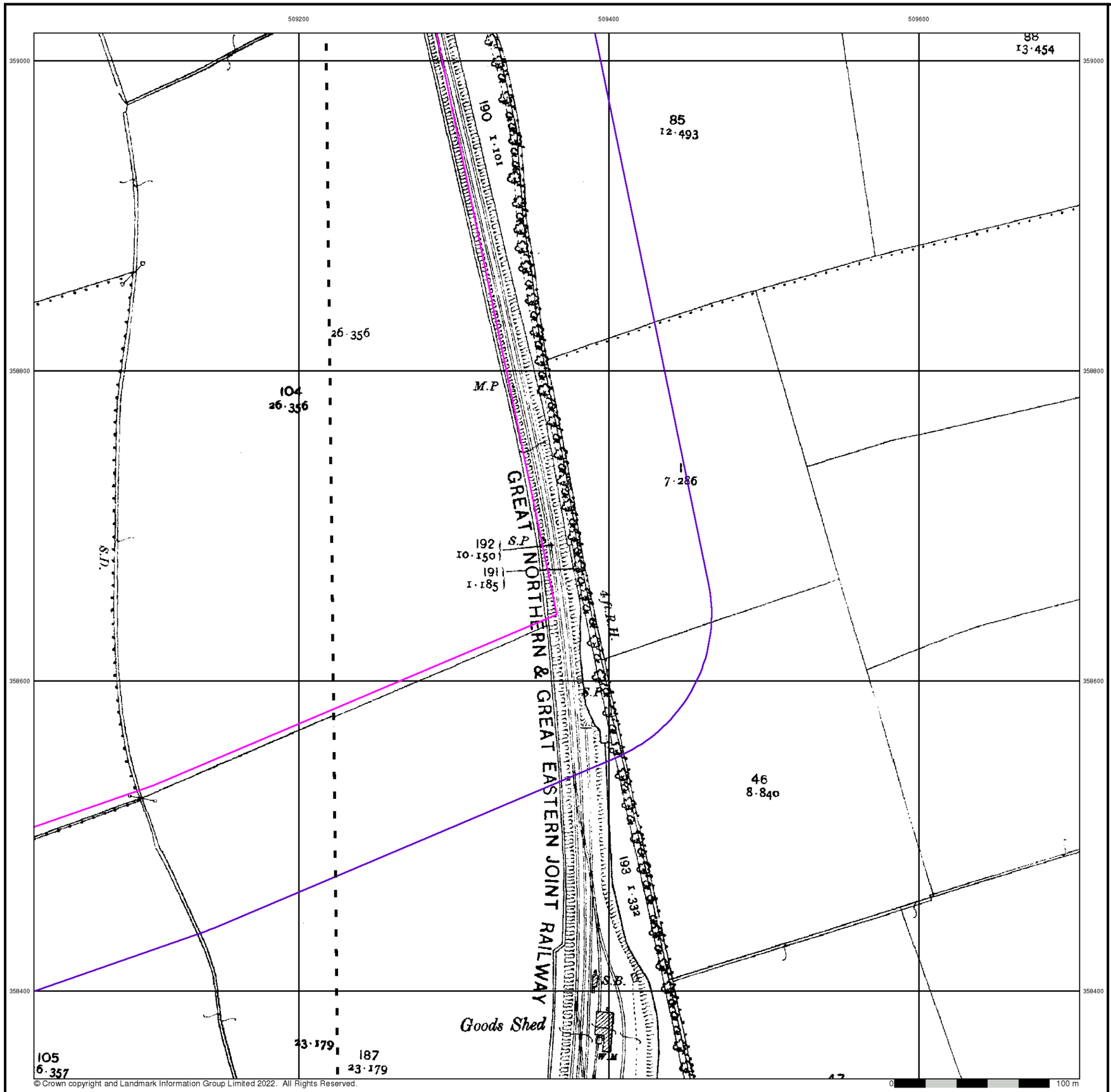
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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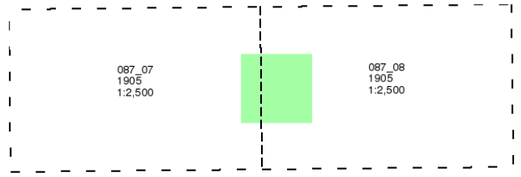
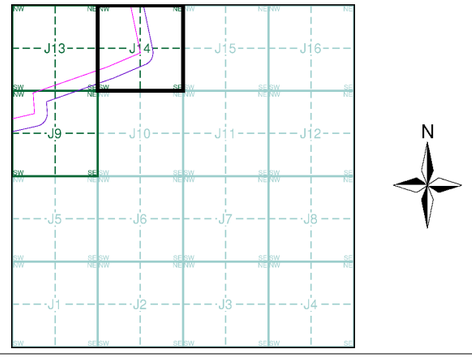
Map Name(s) and Date(s)



Historical Map - Segment J14



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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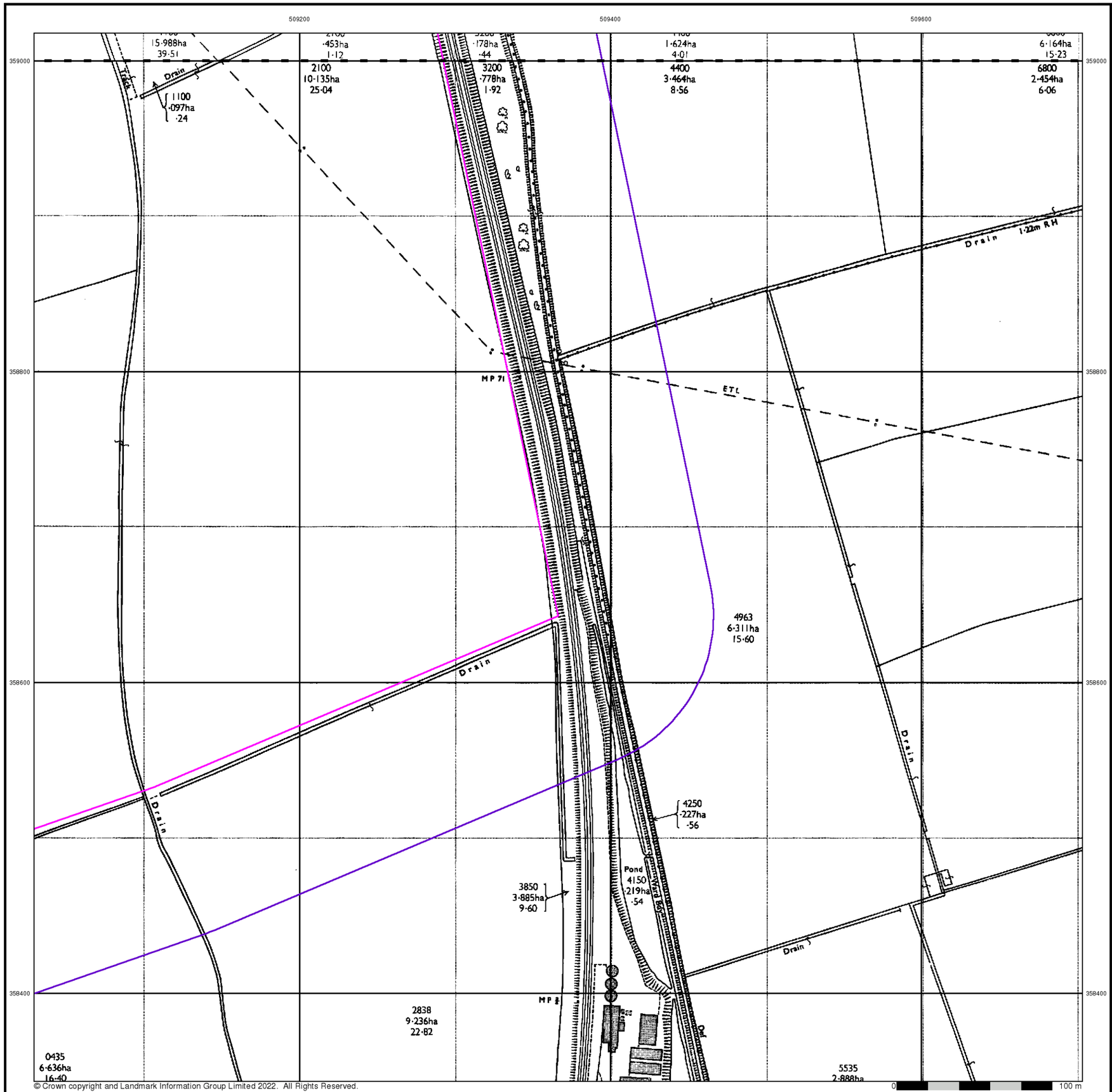

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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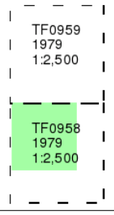
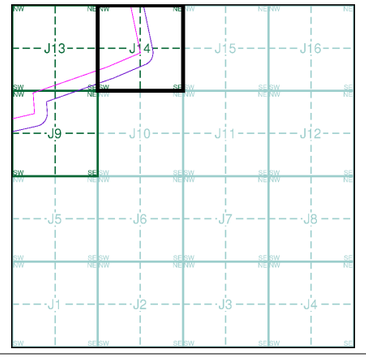
Map Name(s) and Date(s)



Historical Map - Segment J14



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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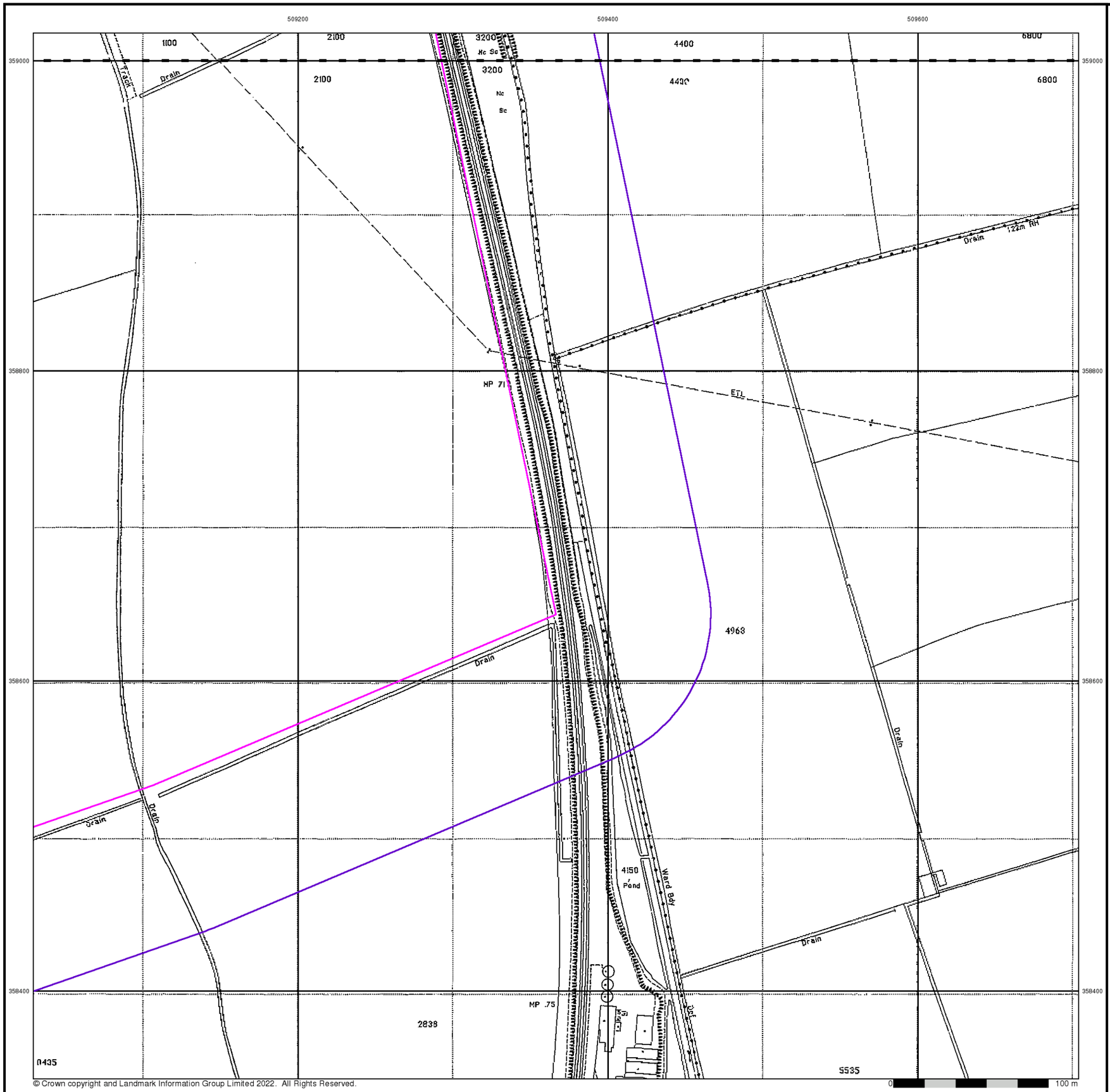
Web: www.envirocheck.co.uk



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RSK

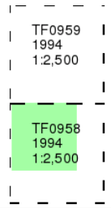
Large-Scale National Grid Data

Published 1994

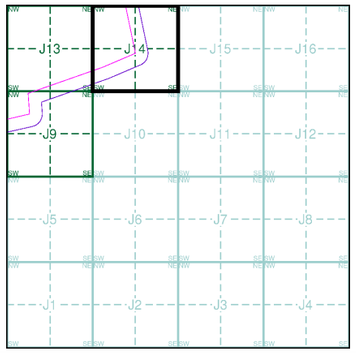
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment J14



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509220, 358240
Slice:	J
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX D11 ENVIRONMENTAL DATABASE REPORT – ZONE K

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
505380, 359070

Slice:
K

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:
All Areas New

Client Details:
Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	4
Hazardous Substances	-
Geological	5
Industrial Land Use	-
Sensitive Land Use	6
Data Currency	7
Data Suppliers	11
Useful Contacts	12

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2				Yes
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 2	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 2	3	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 2	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 3	2	1		1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 4	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 5	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas	pg 5	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 5	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland	pg 6			1	1
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 6	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	505700 358300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	505300 358850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	505000 358650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	90	1	504400 358900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	266	1	505600 358950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	269	1	506300 358900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	283	1	506300 358700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	303	1	506300 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	K8SE (N)	326	1	505380 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	332	1	506250 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	378	1	506250 359650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	392	1	506300 359750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	399	1	506300 359800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	406	1	506300 359850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	418	1	506100 358900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	420	1	505900 358600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	422	1	505950 359500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	435	1	506200 359650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	448	1	506250 359800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	470	1	506200 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	470	1	505750 358650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	491	1	506200 359750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	(SE)	541	-	505439 358982
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	2	505380 359000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	2	506000 359000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(E)	0	2	506000 359068
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(S)	0	2	505380 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(E)	0	2	506000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(E)	0	2	506000 359068
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	K4SW (W)	0	2	505000 359068
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	K4SE (NW)	0	2	505380 359068
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	K8SE (N)	0	2	505380 360000
	Superficial Aquifer Designations No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone IIc (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater - subsurface activity only.	(SE)	0	3	505988 358272
2	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	(SE)	0	3	505736 358595
3	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	K4NW (N)	177	3	505266 359558
4	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	(NE)	661	3	506252 360492
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	OS Water Network Lines None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	4	505380 359068
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	5	505380 359068

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Inferior Oolite Group	K4SE (NW)	0	1	505380 359068
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Ancient Woodland** Name: Long Wood Reference: 1115437 Area(m²): 53986.75 Type: Ancient and Semi-Natural Woodland	(NE)	449	6	505848 359332
6	**Ancient Woodland** Name: Long Wood Reference: 1115437 Area(m²): 28712.75 Type: Plantation on Ancient Woodland	(E)	696	6	505676 359174
7	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	K4SE (NW)	0	2	505380 359068
8	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	K4SE (NW)	0	2	505380 359068

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

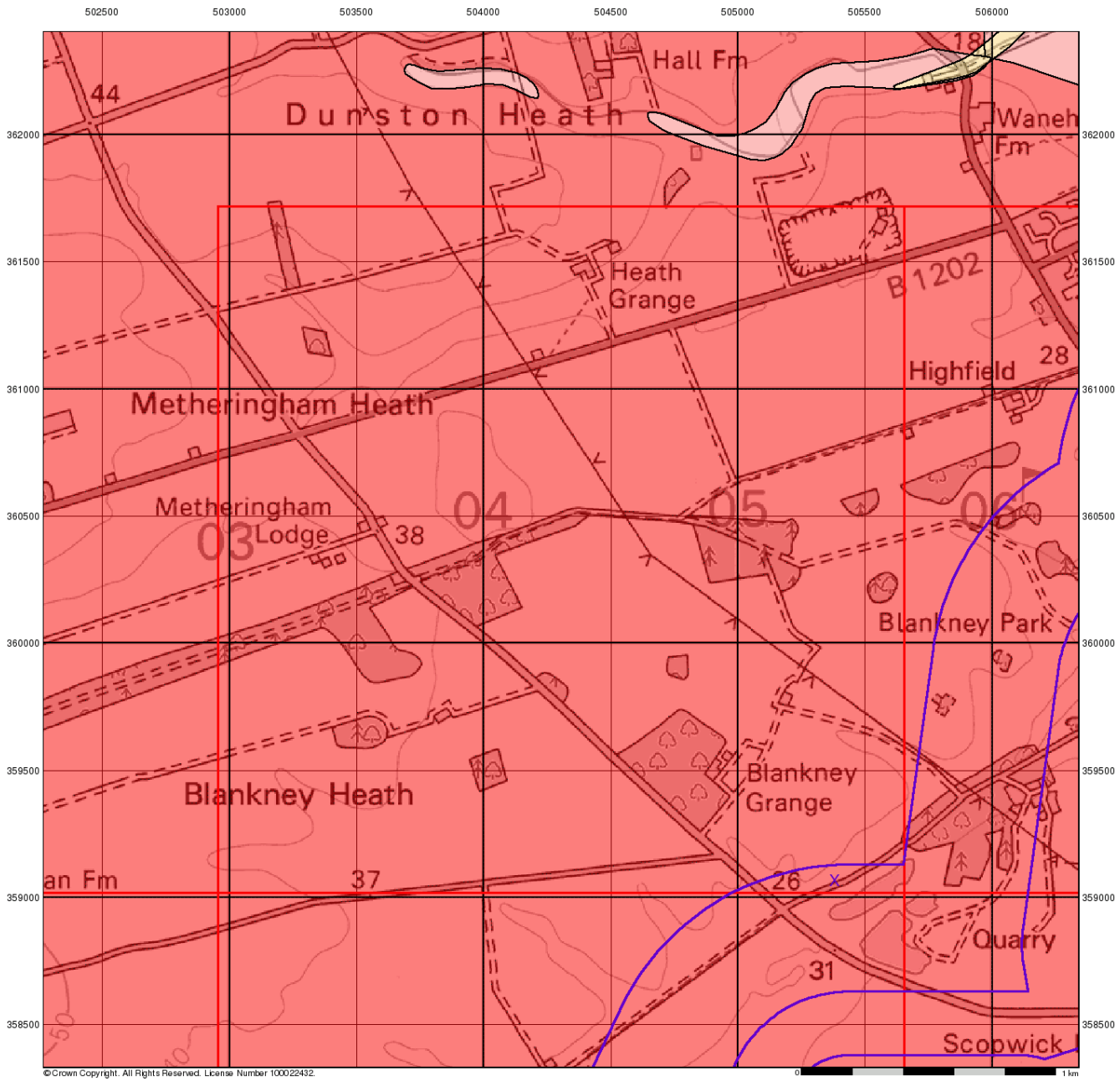
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
5	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
6	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



RSK

Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

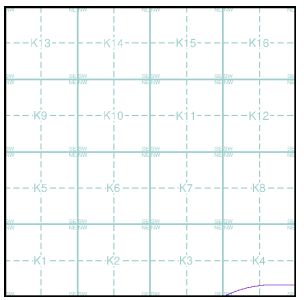
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice K



Order Details

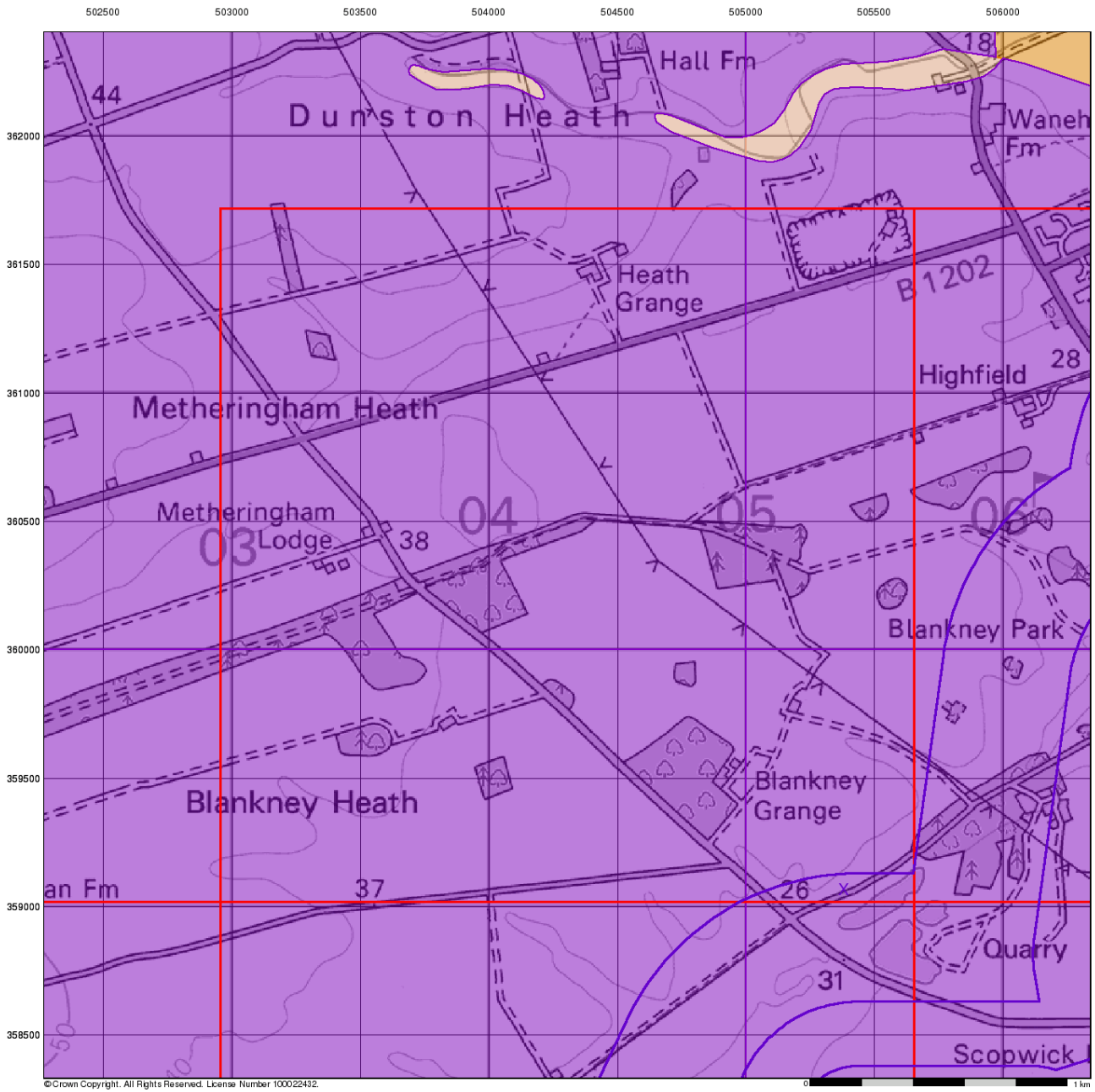
Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505380, 359070
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

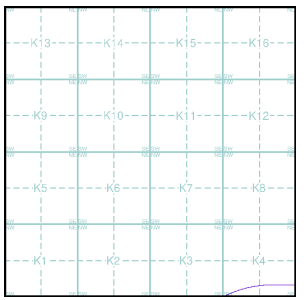
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice K



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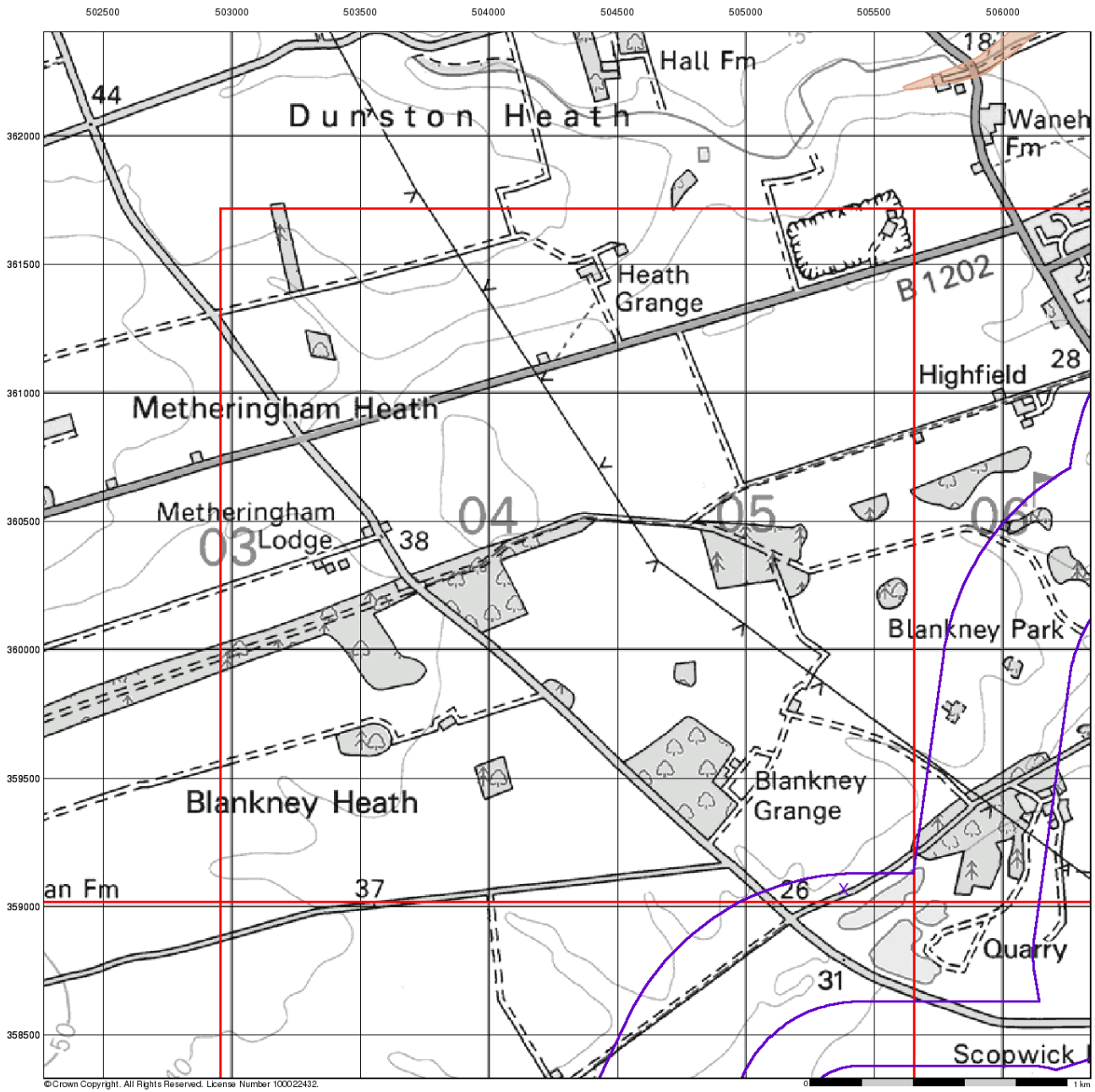
Search Buffer (m):	1000

Site Details

All Areas New



RSK

Superficial Aquifer Designation

General

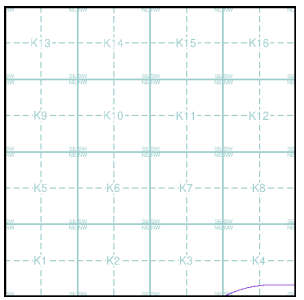
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice K



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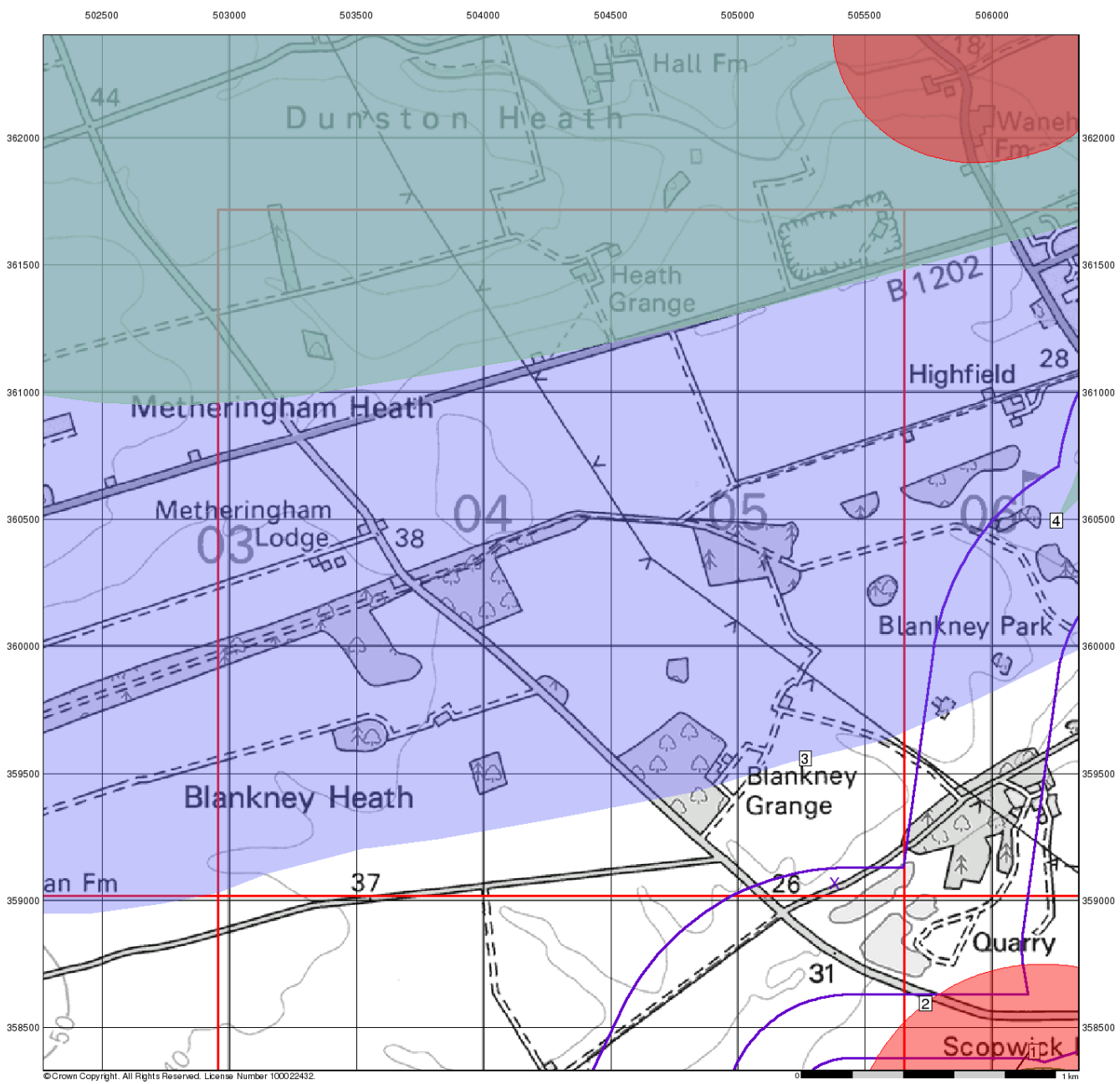


RSK

Source Protection Zones

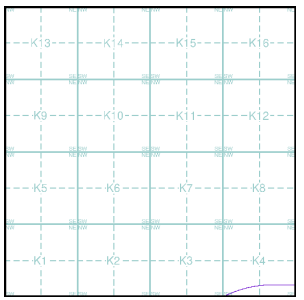
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice K



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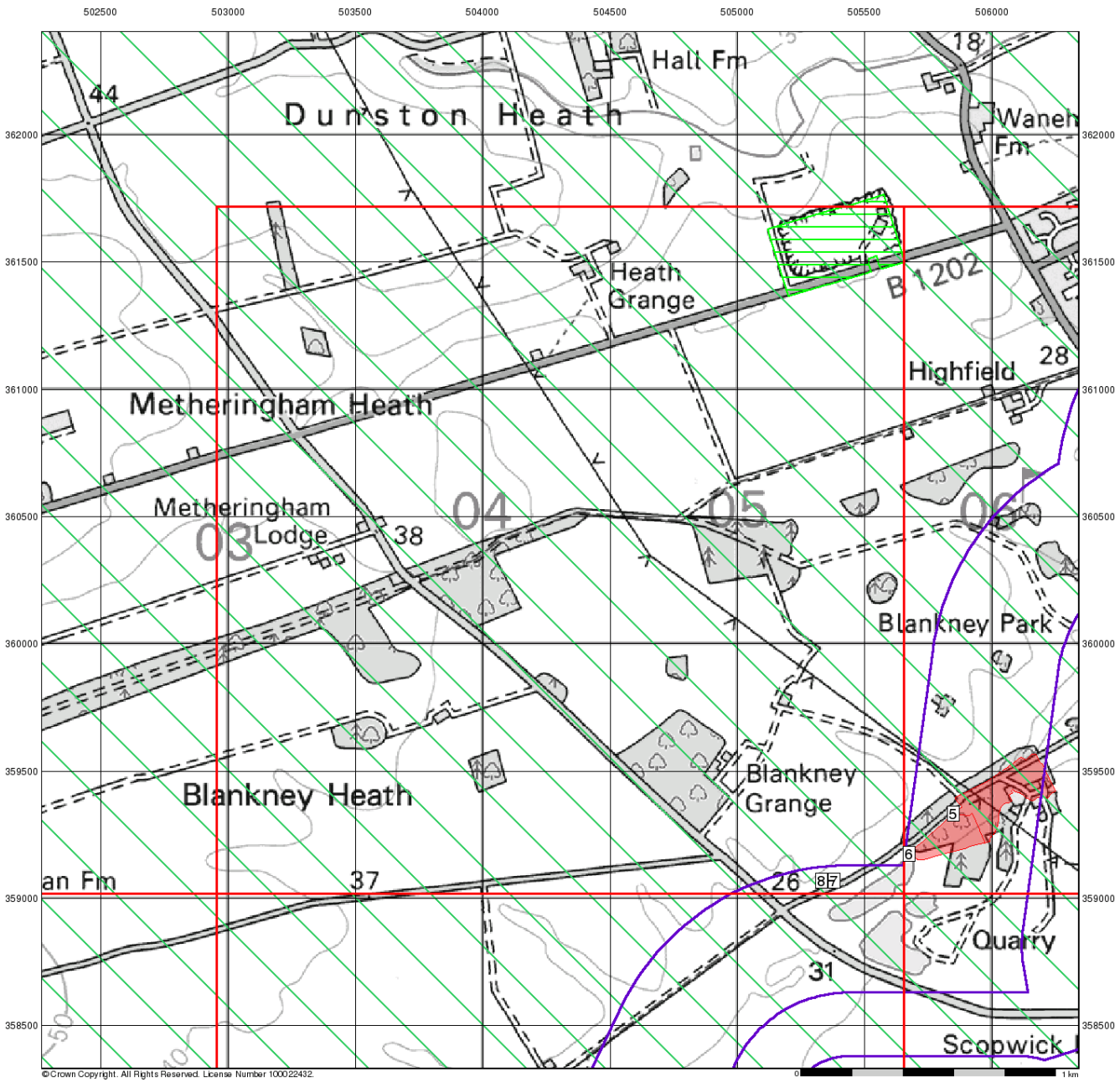

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Sensitive Land Uses

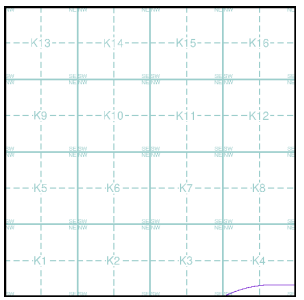
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice K



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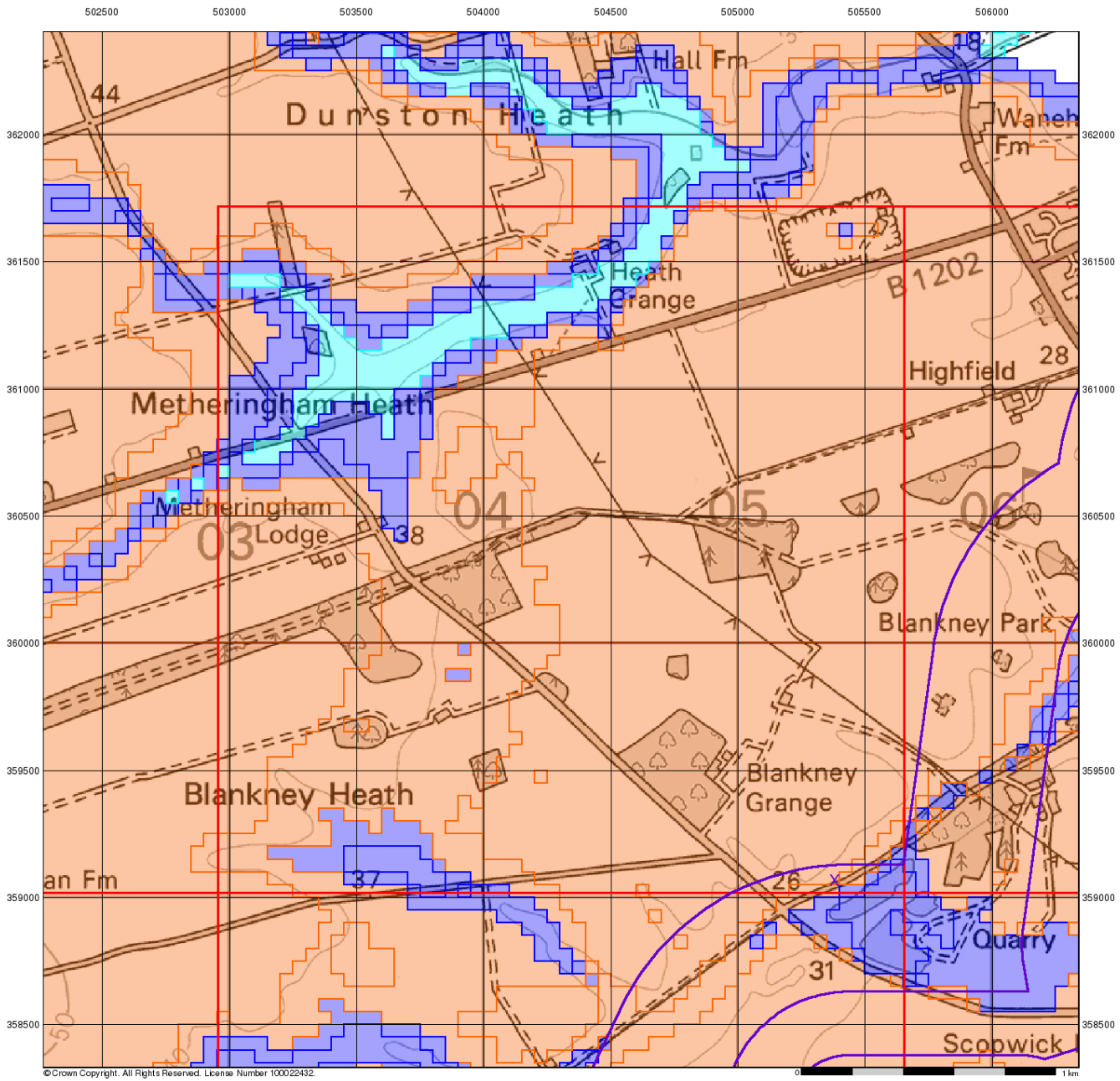

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BGS Flood GFS Data

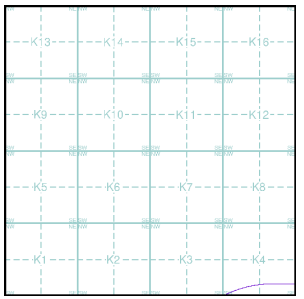
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice K



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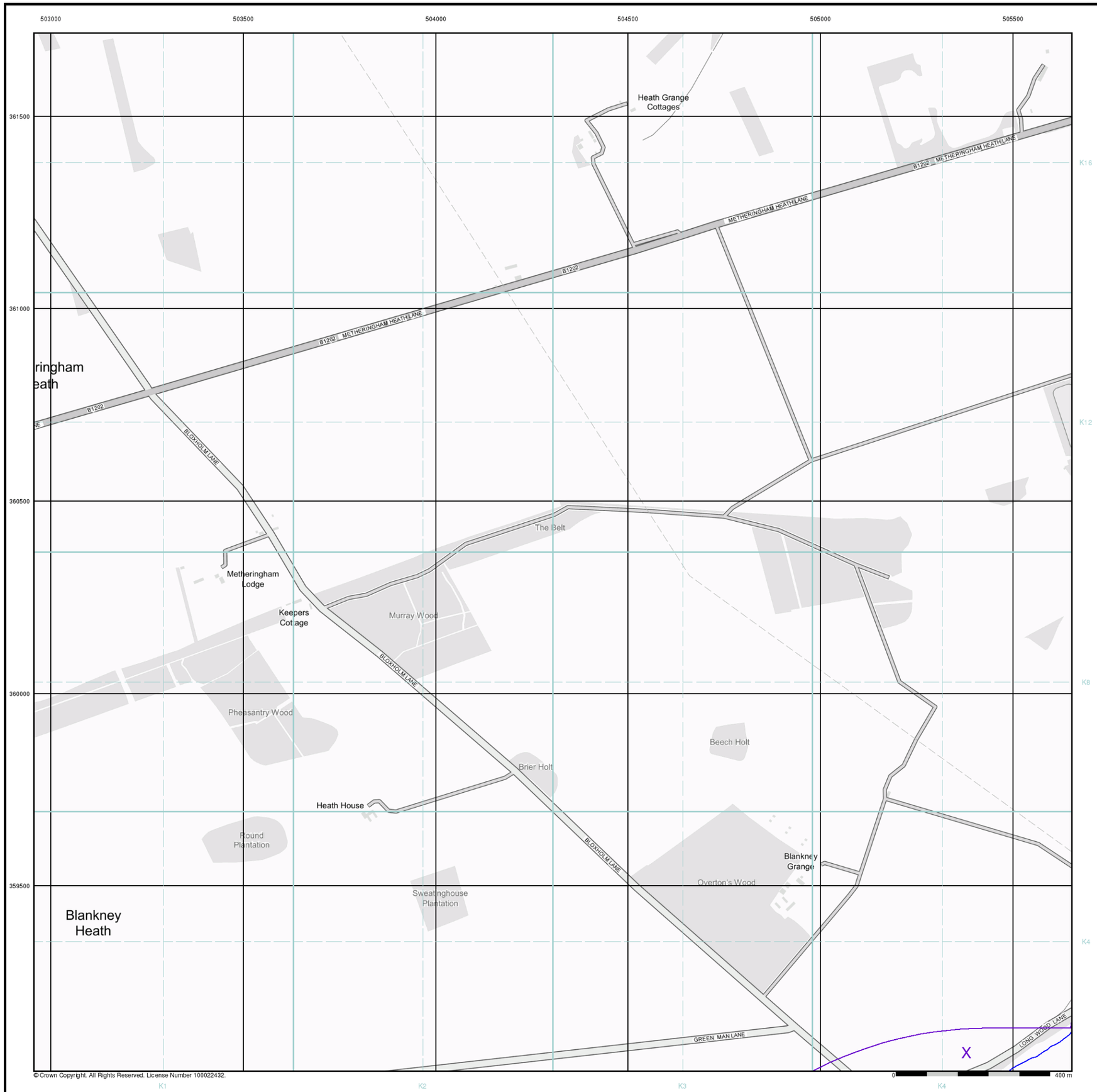

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

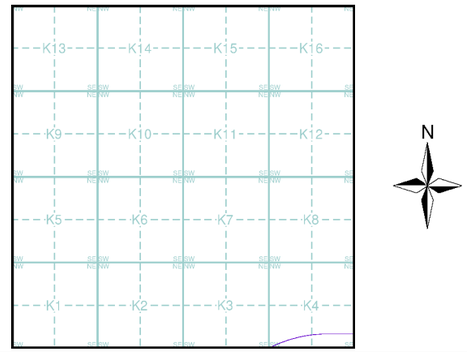
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice K



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Search Buffer (m):	1000

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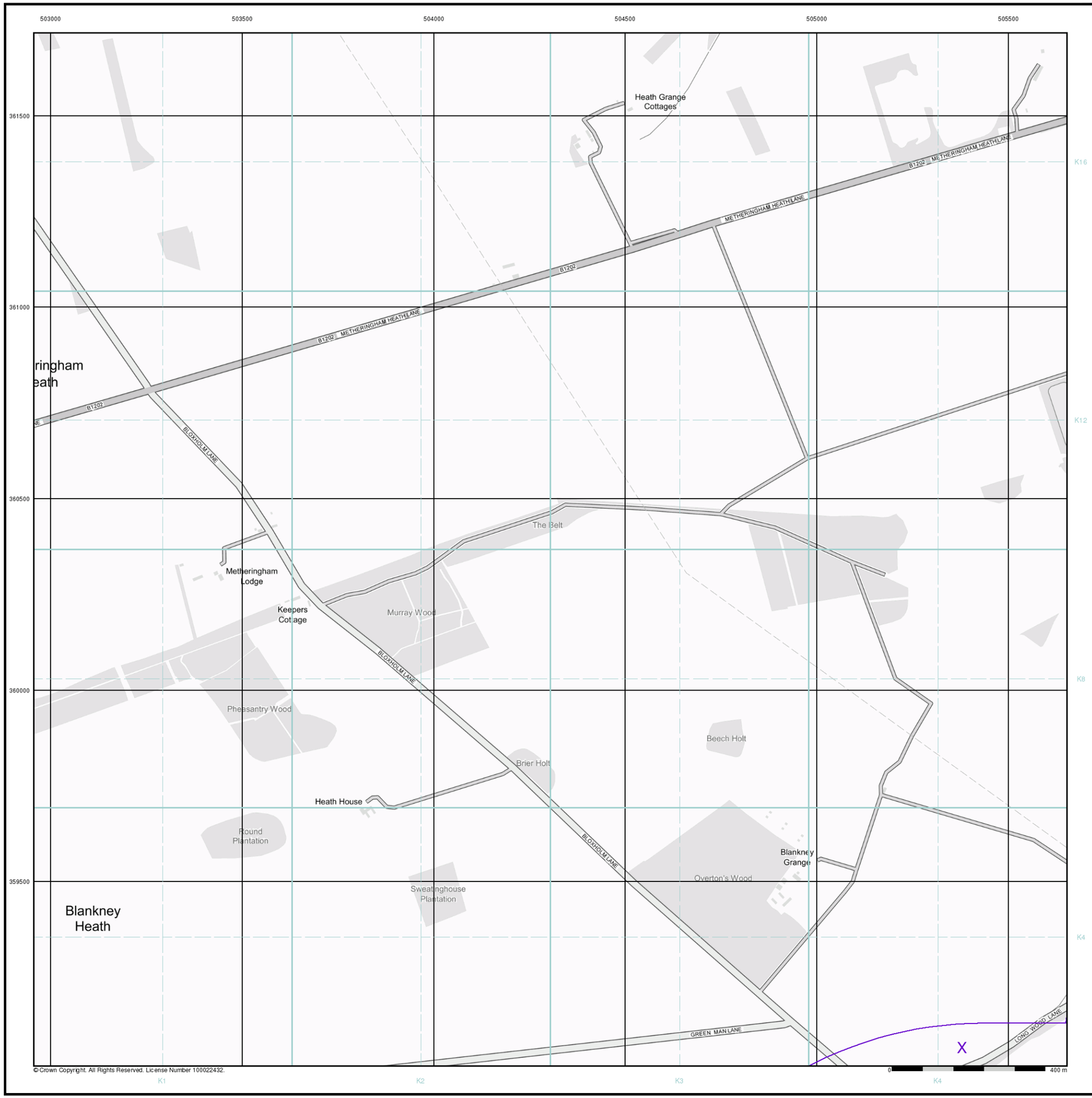

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Industrial Land Use Map

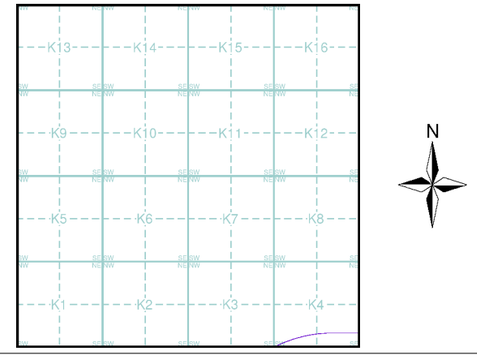
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice K



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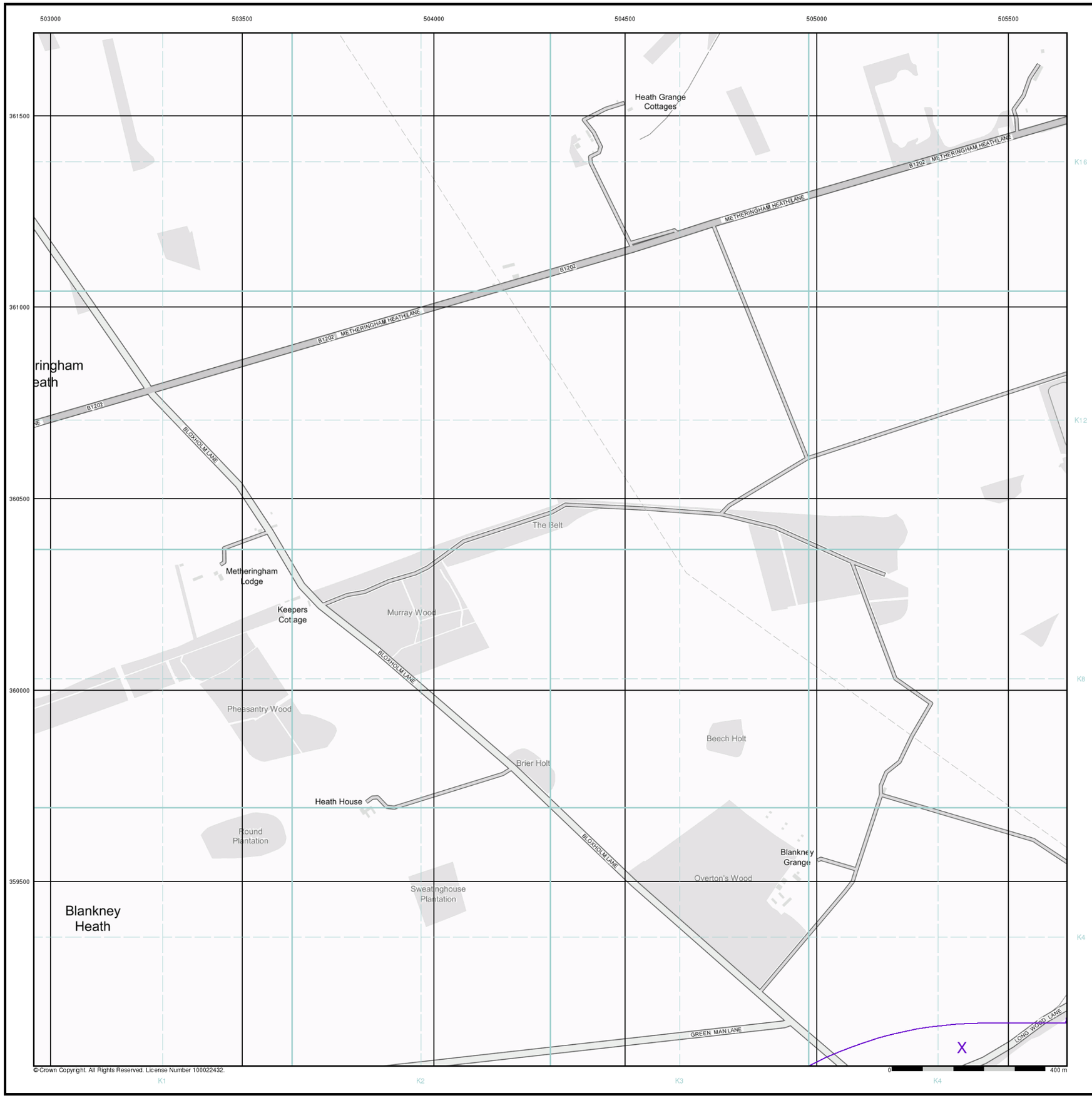


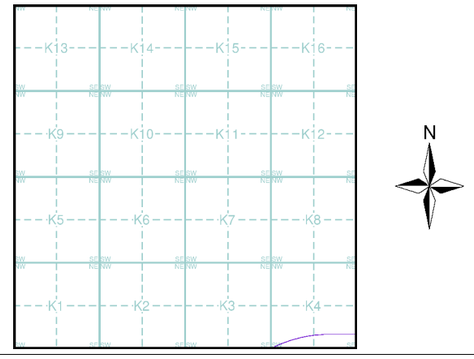
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice K



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505380, 359070
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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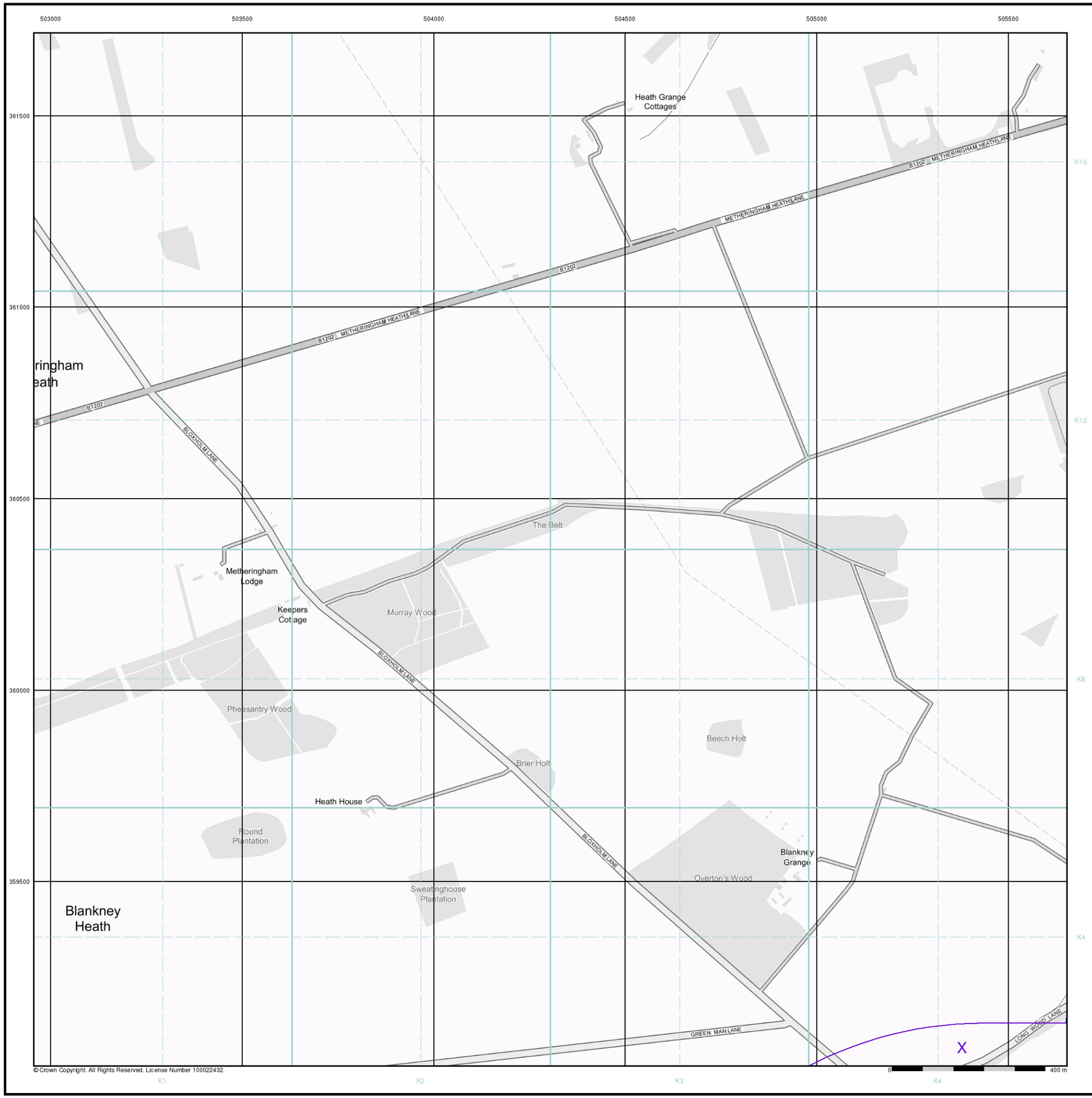
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RSK

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

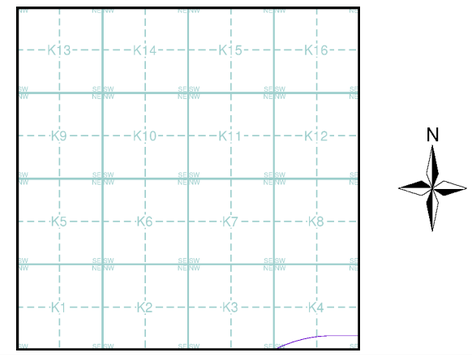
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice K



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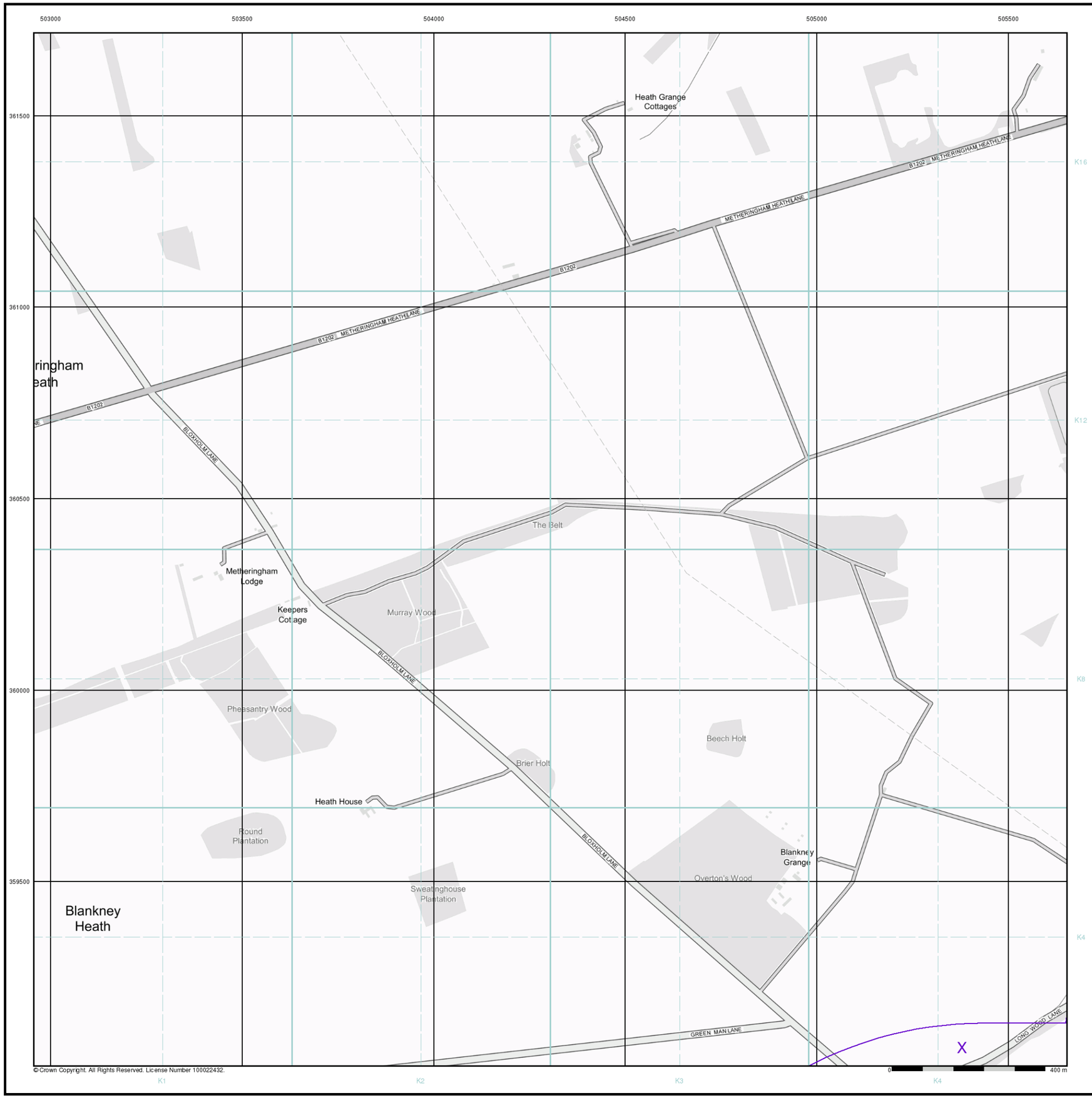
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New



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RSK

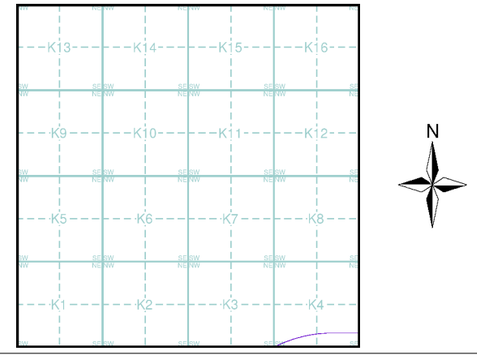
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice K



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Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
505380, 359070

Slice:
K

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:
All Areas New

Client Details:
Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	-
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	-
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	-
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	1
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	2
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	3
Data Suppliers	4
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites					
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)				n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 1	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 1	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 1	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 1	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 1	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 1	Yes		n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
1	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K8SE (N)	0	1	505380 360000
2	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
3	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K8SE (N)	0	1	505380 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
4	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K8SE (N)	0	1	505380 360000
5	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
6	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
7	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K8SE (N)	0	1	505380 360000
8	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
9	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K8SE (N)	0	1	505380 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SE (NW)	0	1	505380 359068
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K8SE (N)	0	1	505380 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	K4SW (W)	0	1	505000 359068

Historical Map List

No Historical Land Use information available.

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	079_SW	1891
Lincolnshire	087_NW	1891
Lincolnshire	079_SW	1906
Lincolnshire	087_NW	1906
Lincolnshire	087_NW	1947
Lincolnshire	079_SW	1950
Ordnance Survey Plan	TF05NE	1956
Ordnance Survey Plan	TF05NW	1956
Ordnance Survey Plan	TF06SE	1956
Ordnance Survey Plan	TF06SW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF06SE	1977
Ordnance Survey Plan	TF06SW	1981
Ordnance Survey Plan	TF05NE	1985
Ordnance Survey Plan	TF05NW	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

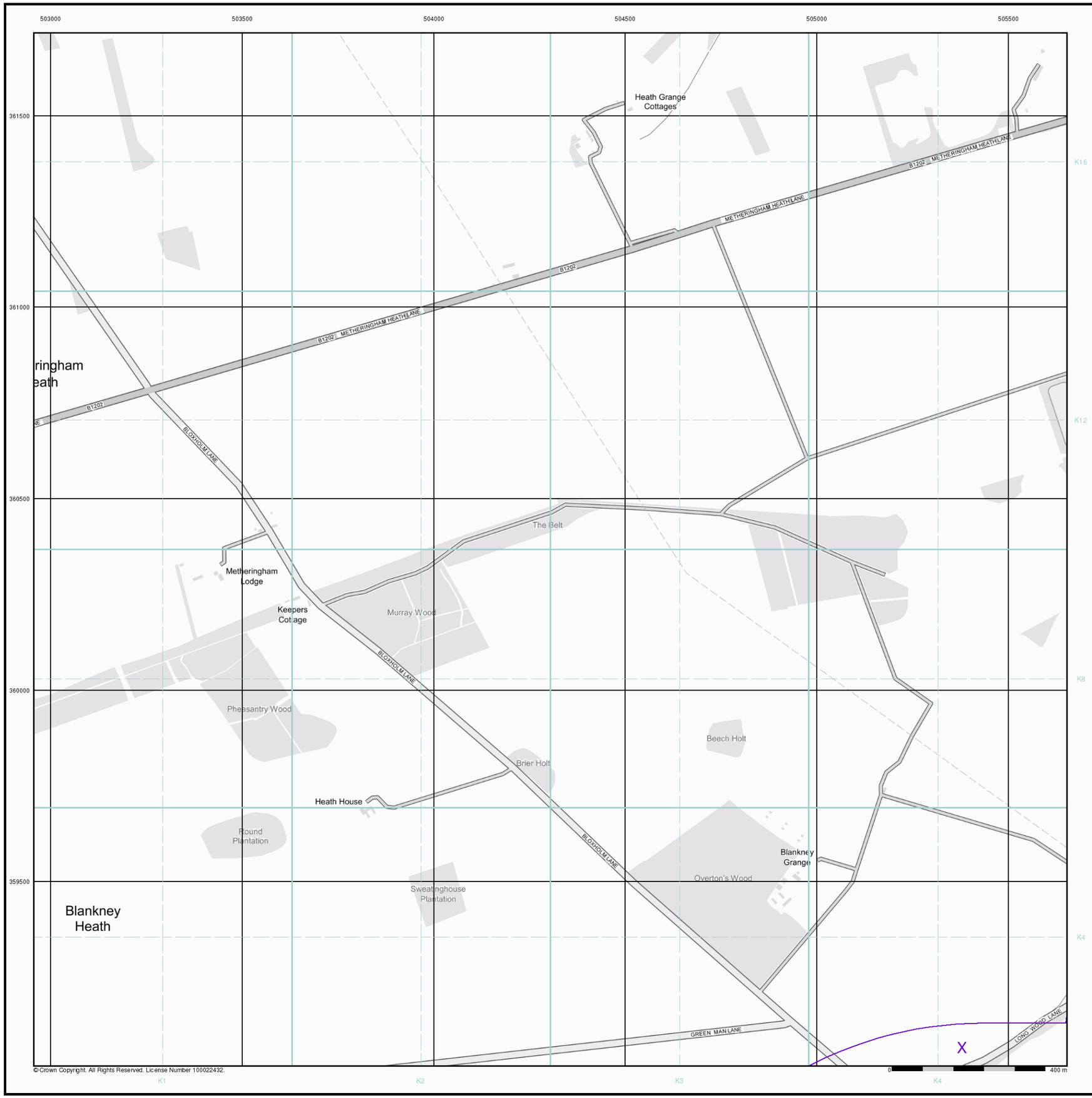
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

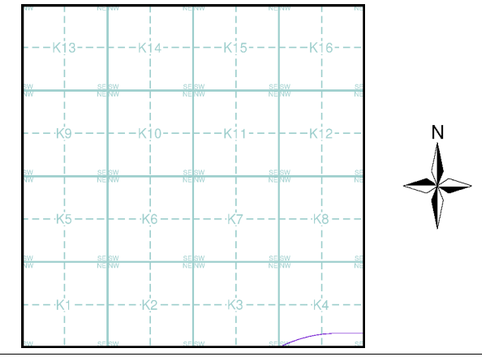
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice K



Order Details

Order Number:	304263548_1_1
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Site Details

All Areas New

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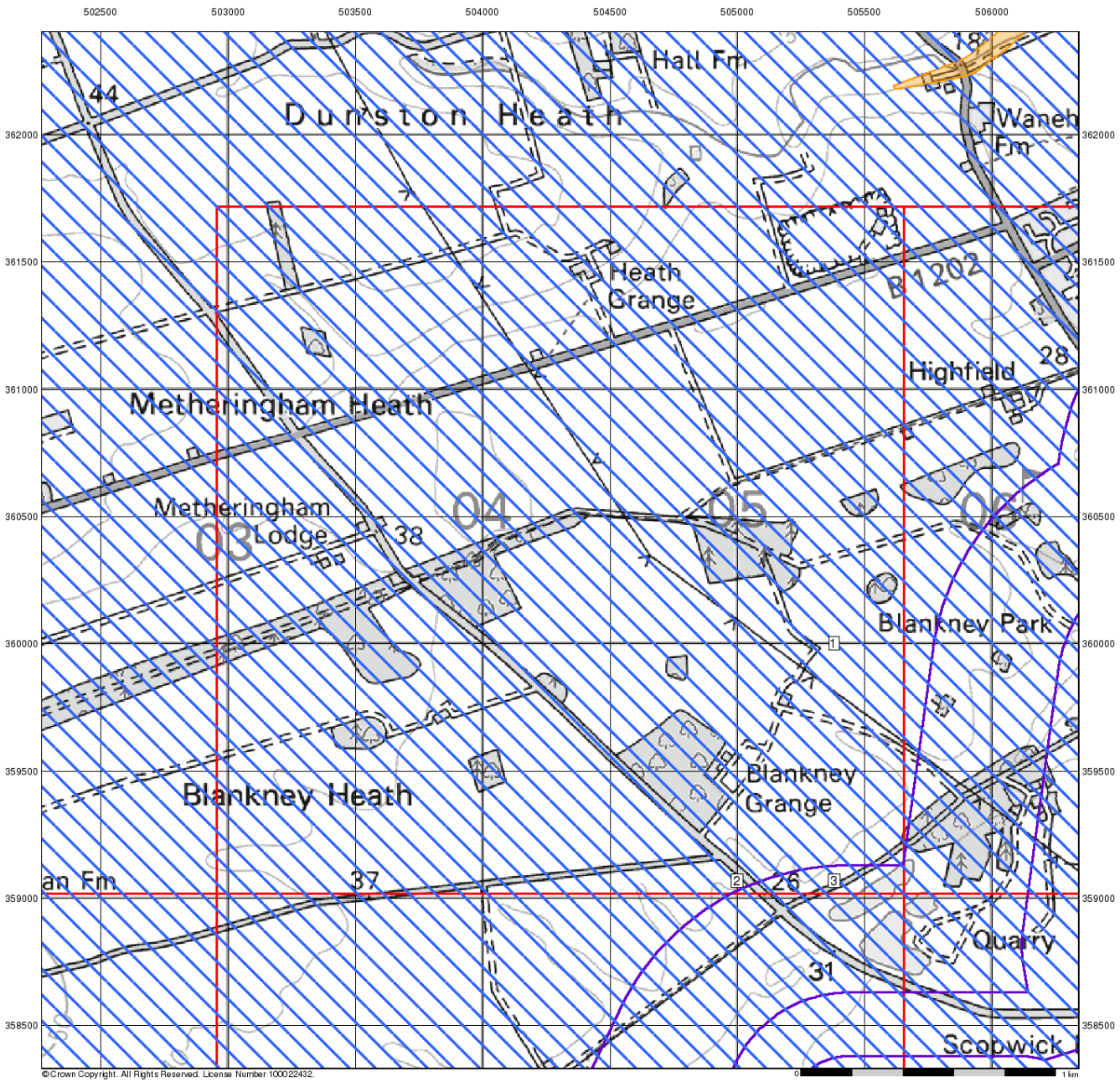

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

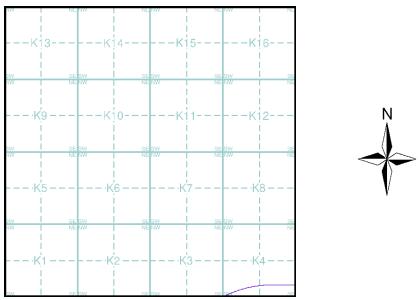
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice K



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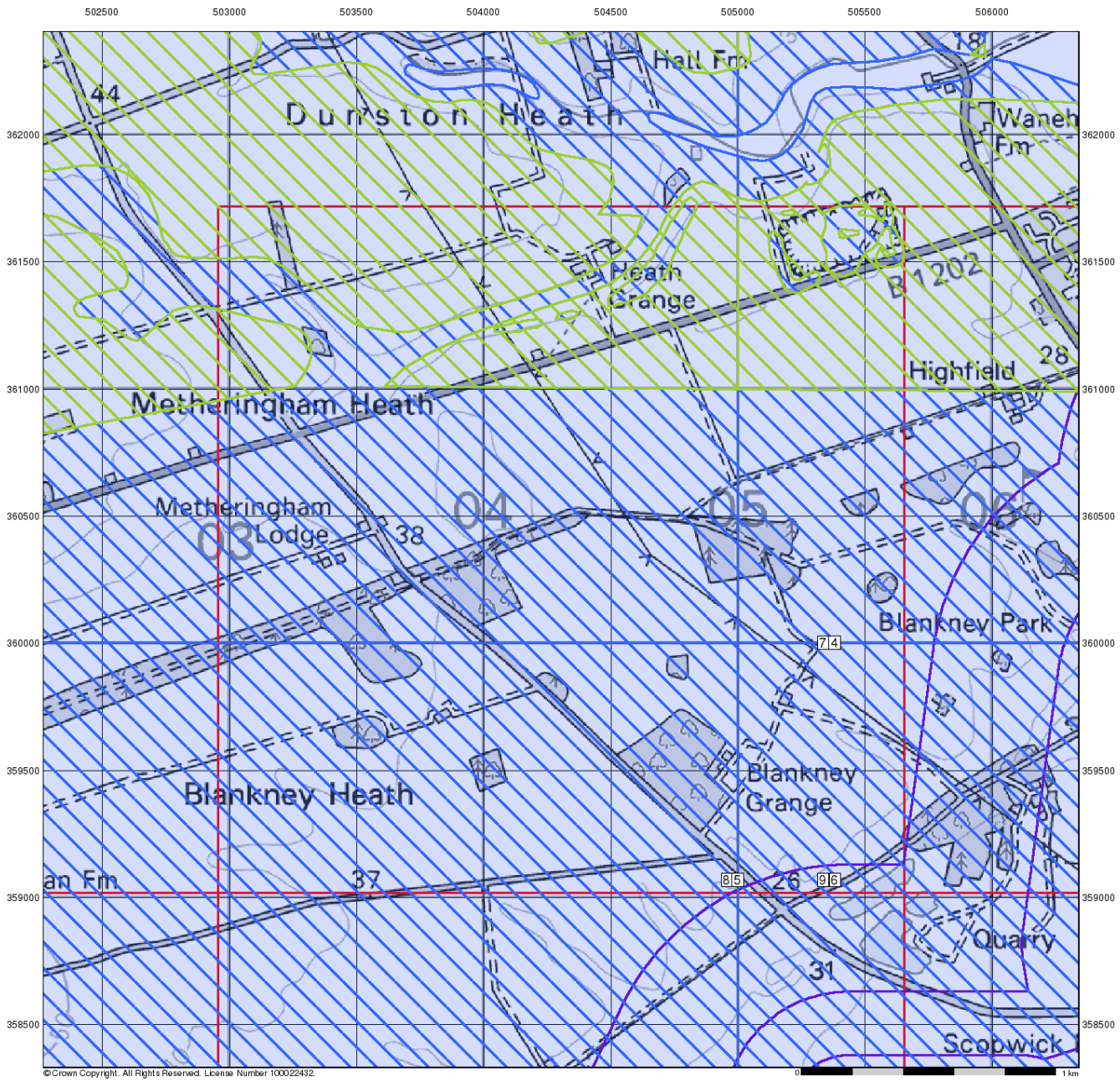

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

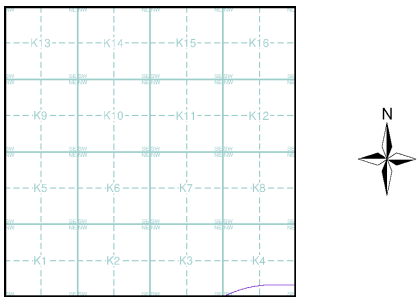
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice K



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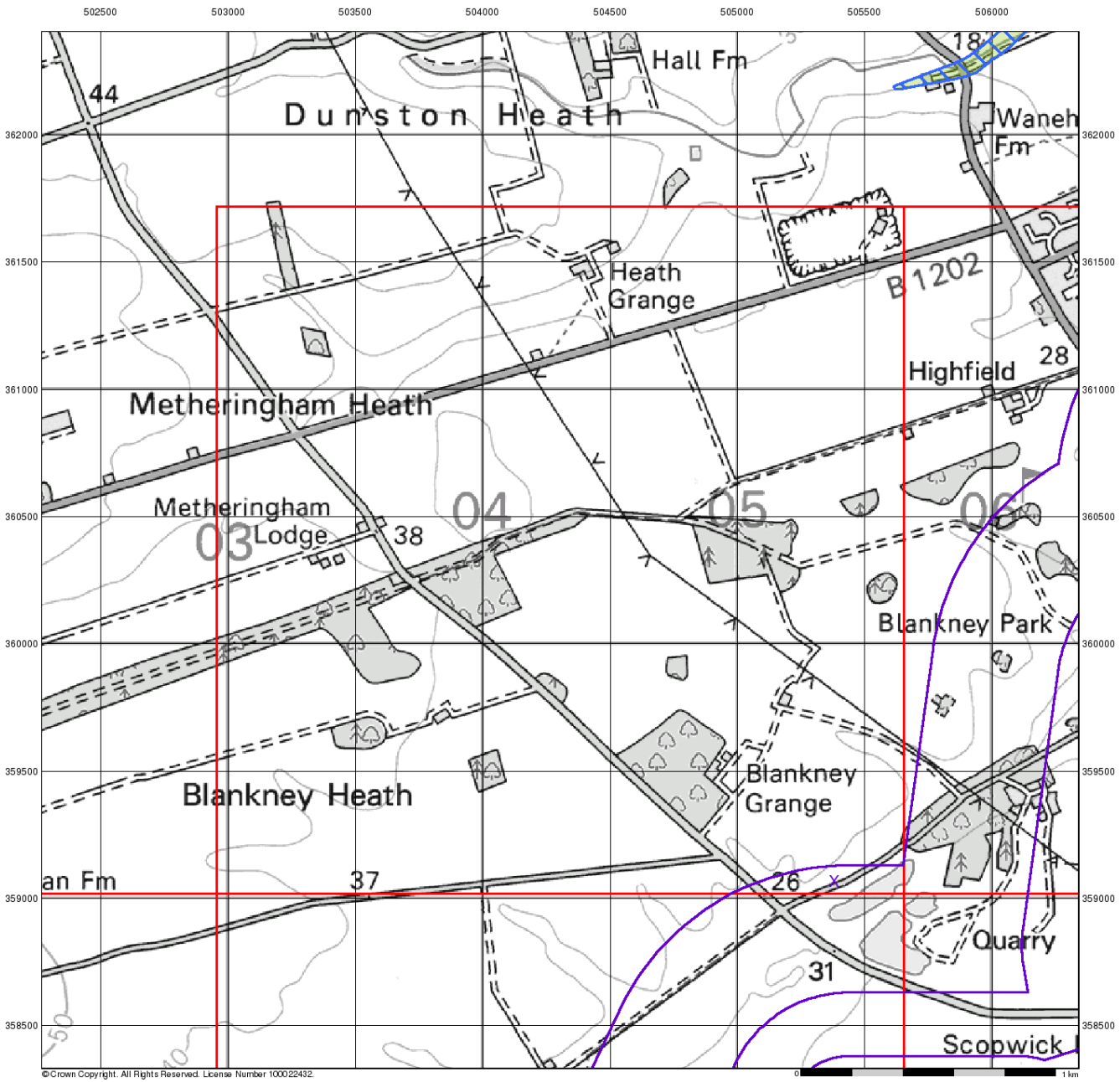

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

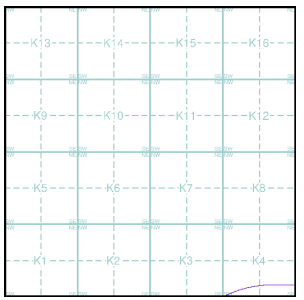
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice K



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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

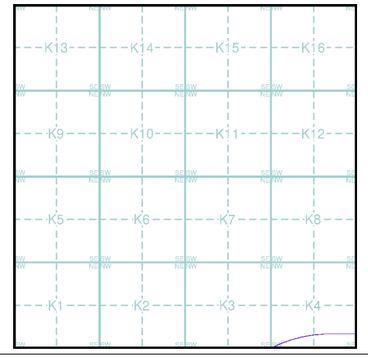
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906	3
Lincolnshire	1:10,560	1947 - 1950	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1977	6
Ordnance Survey Plan	1:10,000	1981 - 1985	7
10K Raster Mapping	1:10,000	2000	8
Street View	Variable		9

Historical Map - Slice K



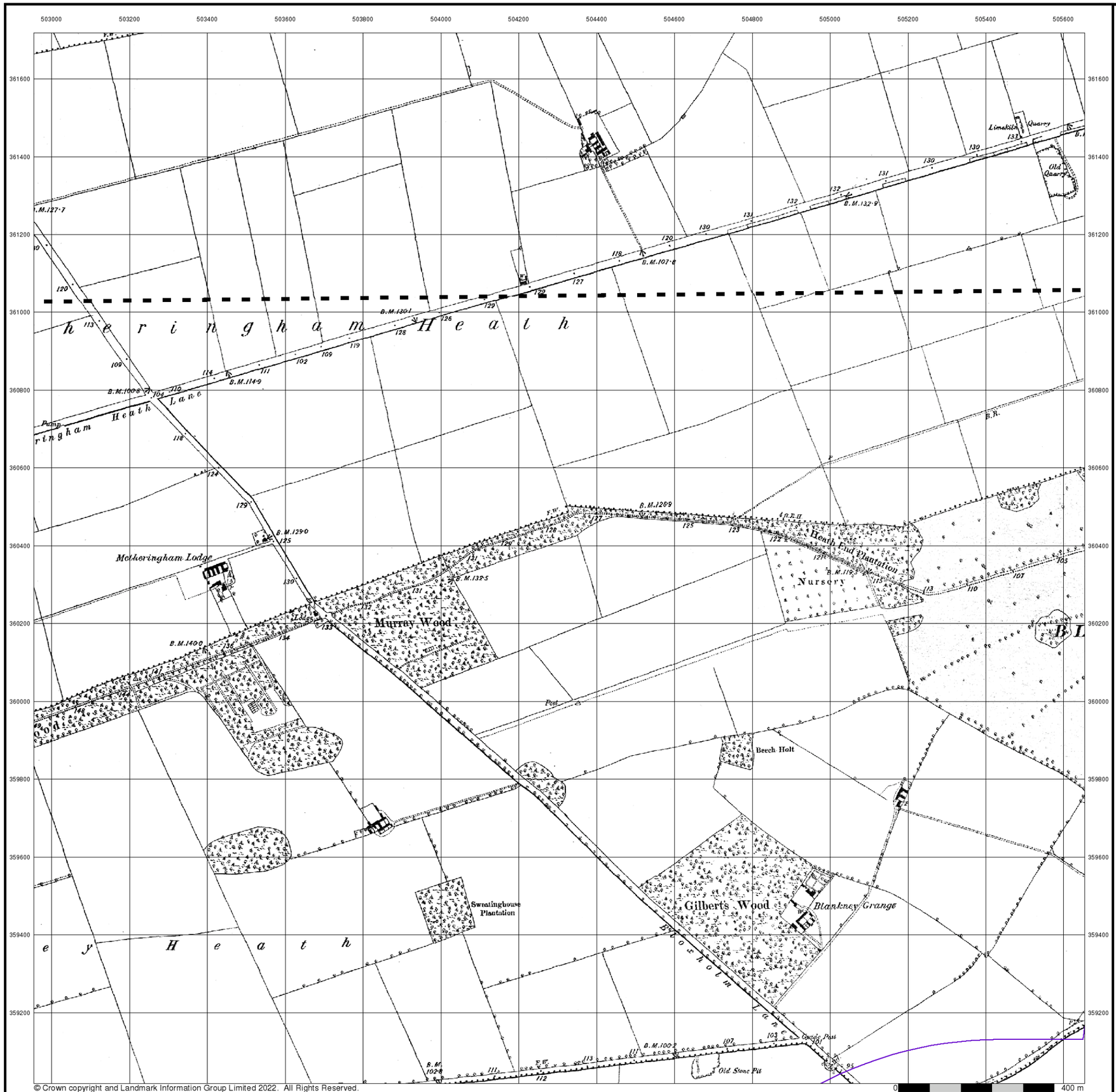
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 505380, 359070
Slice: K
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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0 400 m

RSK

Lincolnshire

Published 1887

Source map scale - 1:10,560

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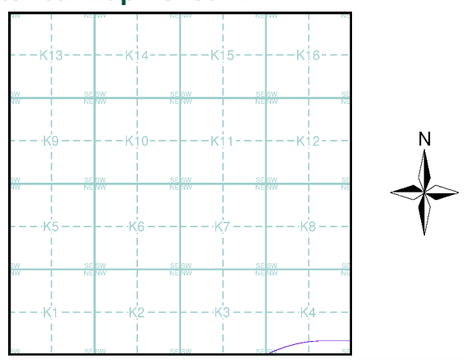
Map Name(s) and Date(s)

079SW
1887
1:10,560

087NW
1887
1:10,560

Historical Map - Slice K



Order Details

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Customer Ref:	P02130089
National Grid Reference:	505380, 359070
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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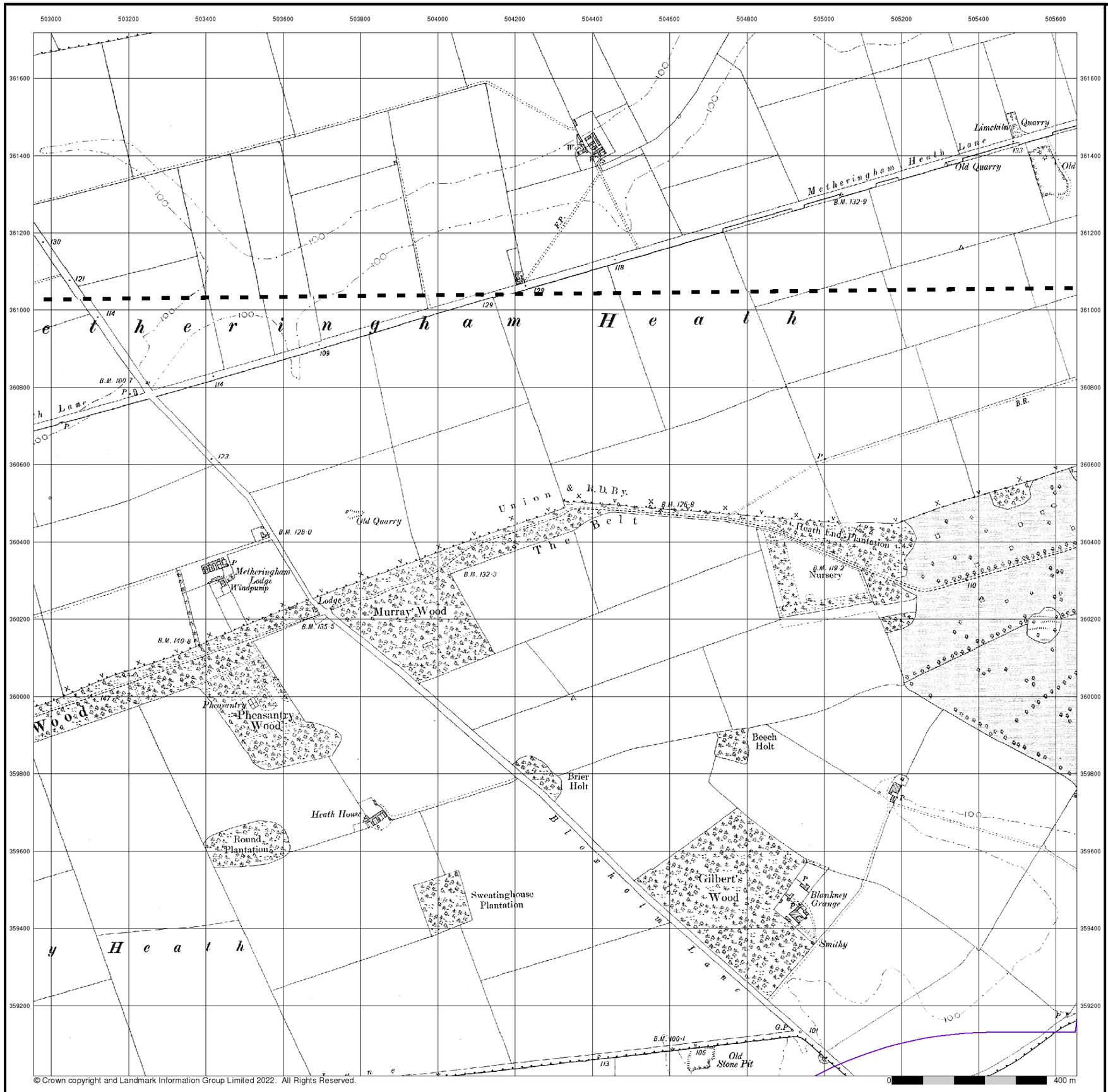
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1906

Source map scale - 1:10,560

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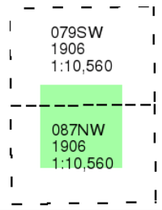
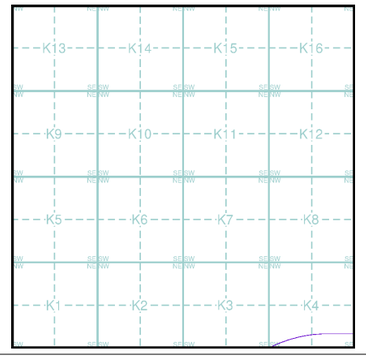
Map Name(s) and Date(s)



Historical Map - Slice K



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505380, 359070
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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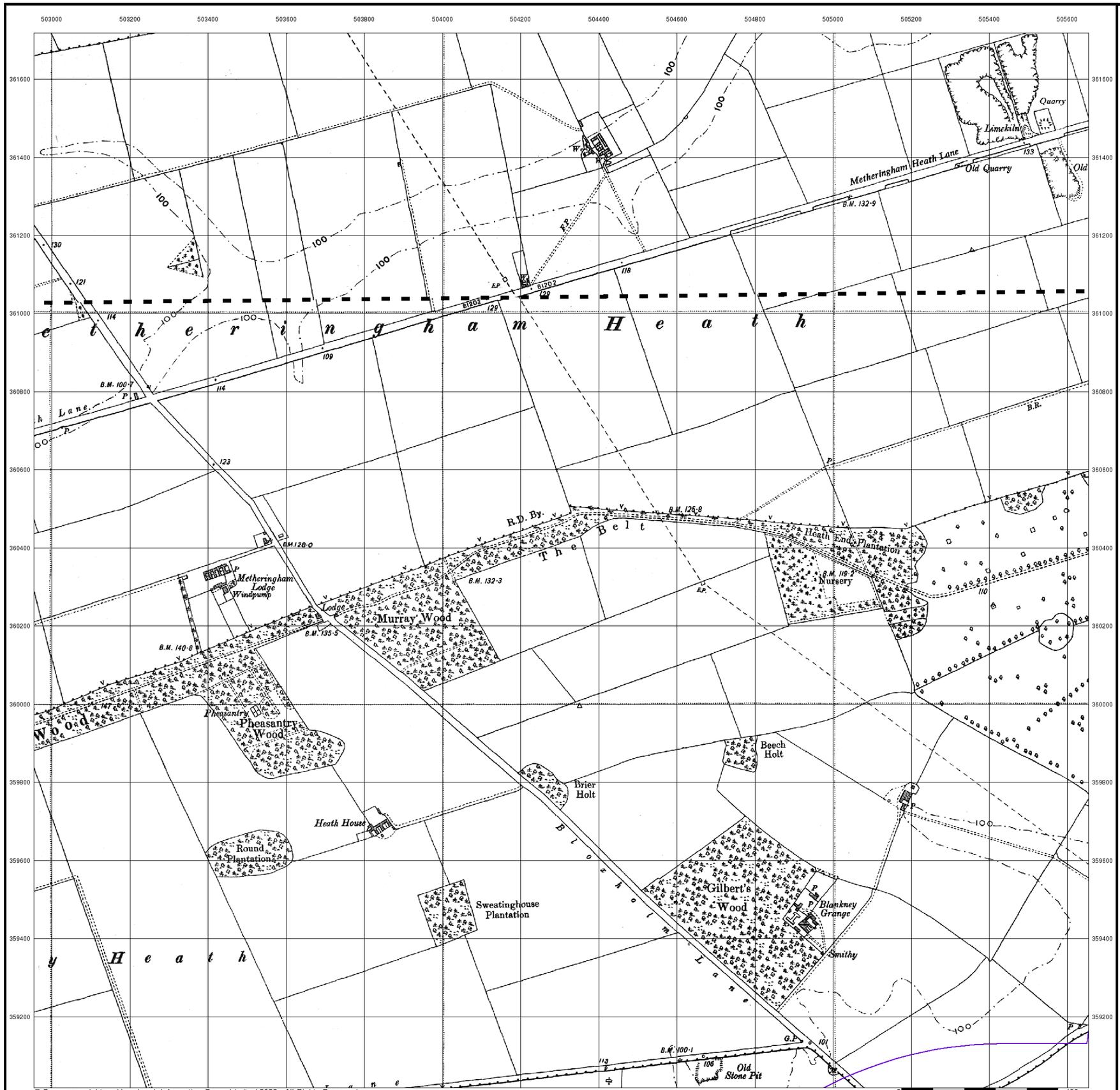

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Lincolnshire

Published 1947 - 1950

Source map scale - 1:10,560

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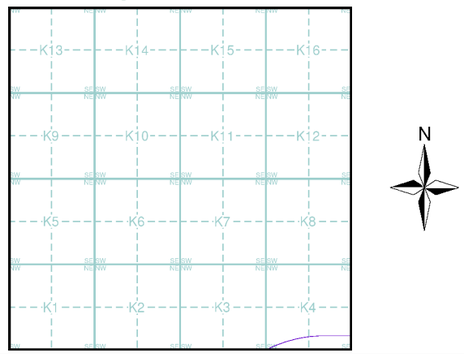
Map Name(s) and Date(s)

079SW
1950
1:10,560

087NW
1947
1:10,560

Historical Map - Slice K



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505380, 359070
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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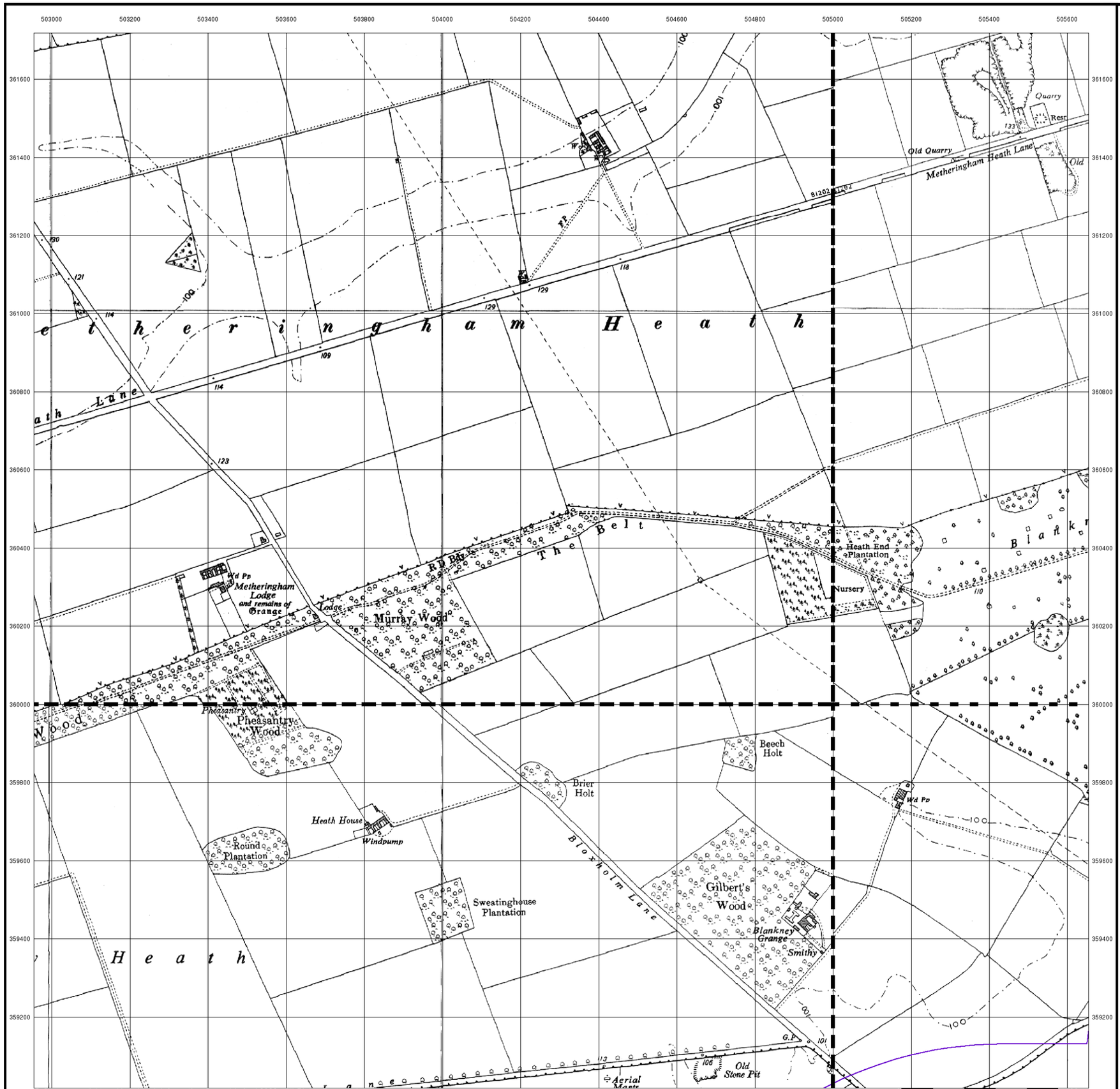
Web: www.envirocheck.co.uk



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RSK

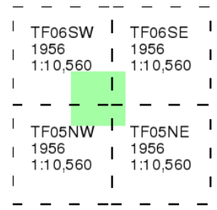
Ordnance Survey Plan

Published 1956

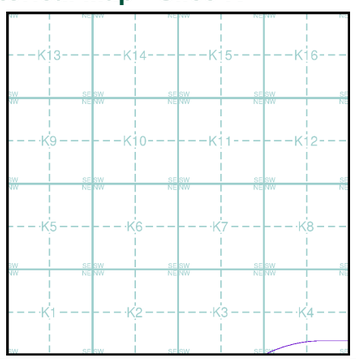
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice K



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505380, 359070
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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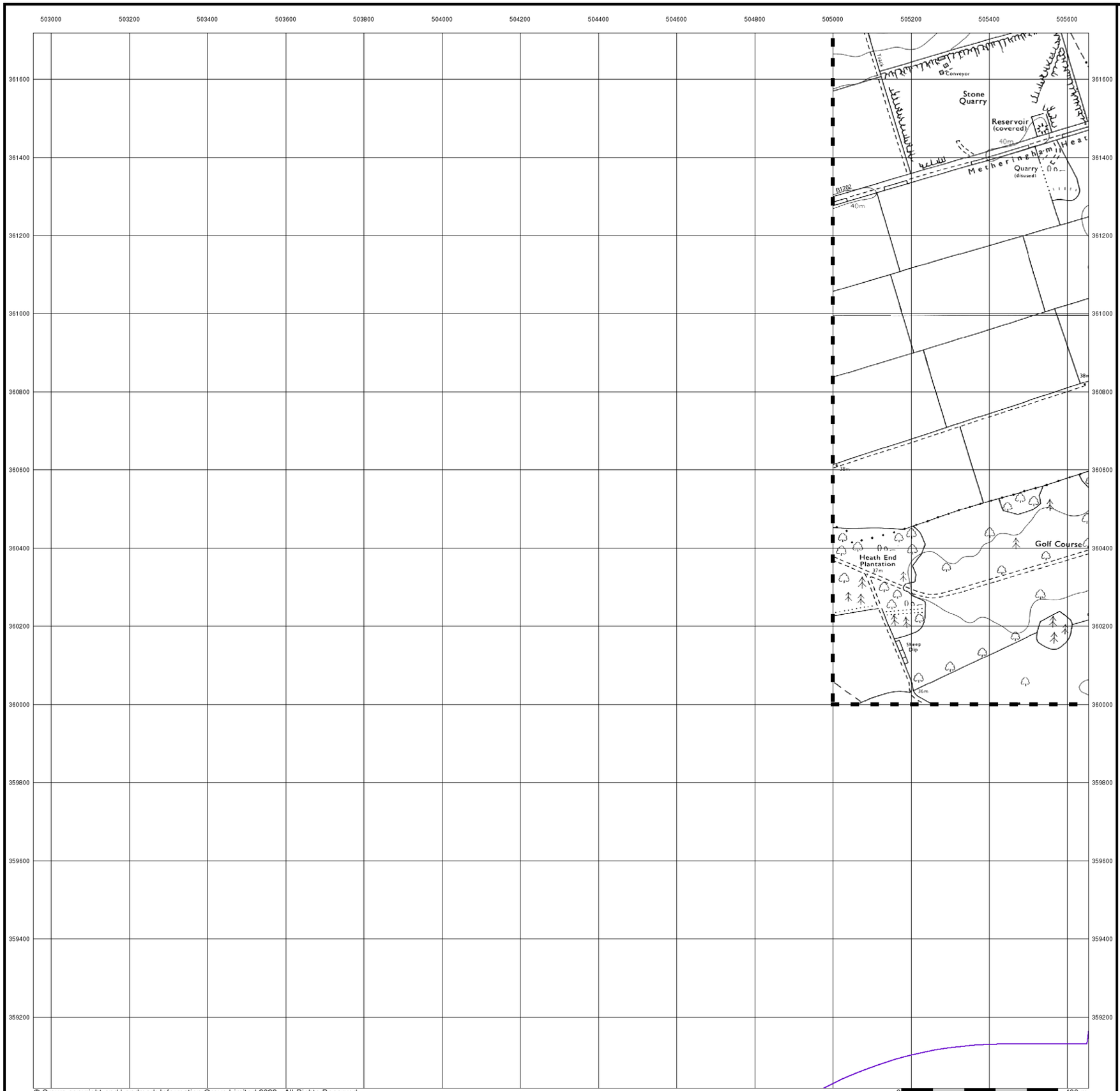

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Ordnance Survey Plan

Published 1977

Source map scale - 1:10,000

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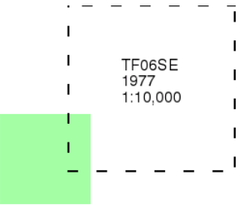
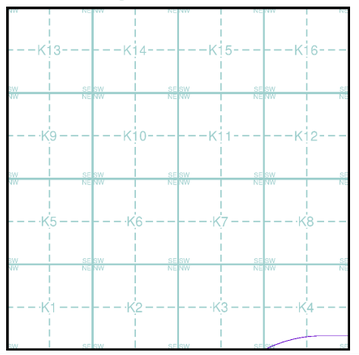
Map Name(s) and Date(s)



Historical Map - Slice K



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505380, 359070
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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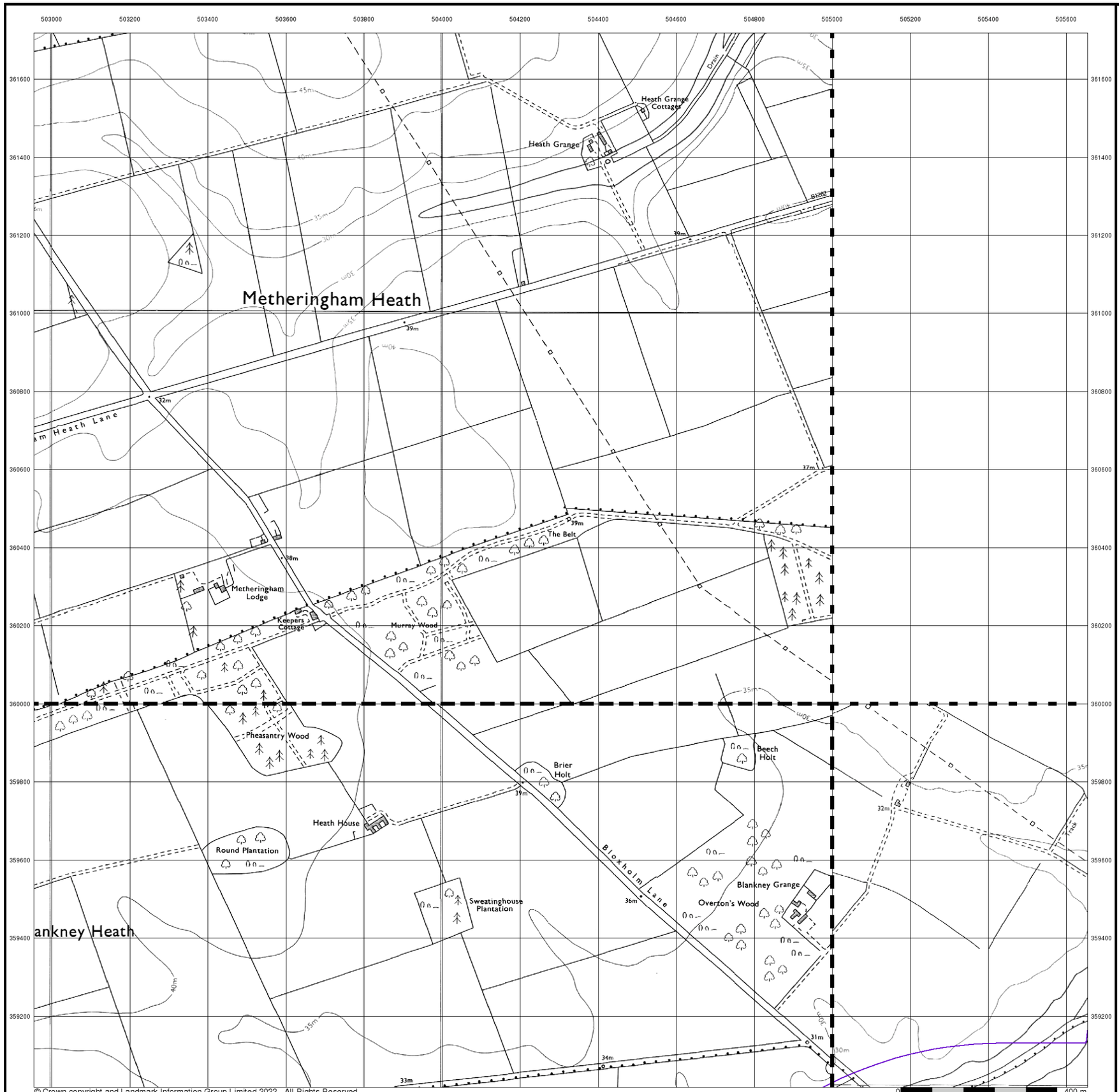

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RSK

Ordnance Survey Plan

Published 1981 - 1985

Source map scale - 1:10,000

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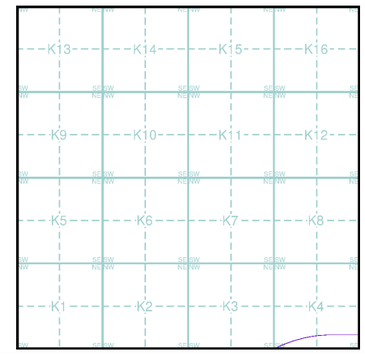
Map Name(s) and Date(s)

TF06SW
1981
1:10,000

TF05NW
1985
1:10,000

TF05NE
1985
1:10,000

Historical Map - Slice K



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505380, 359070
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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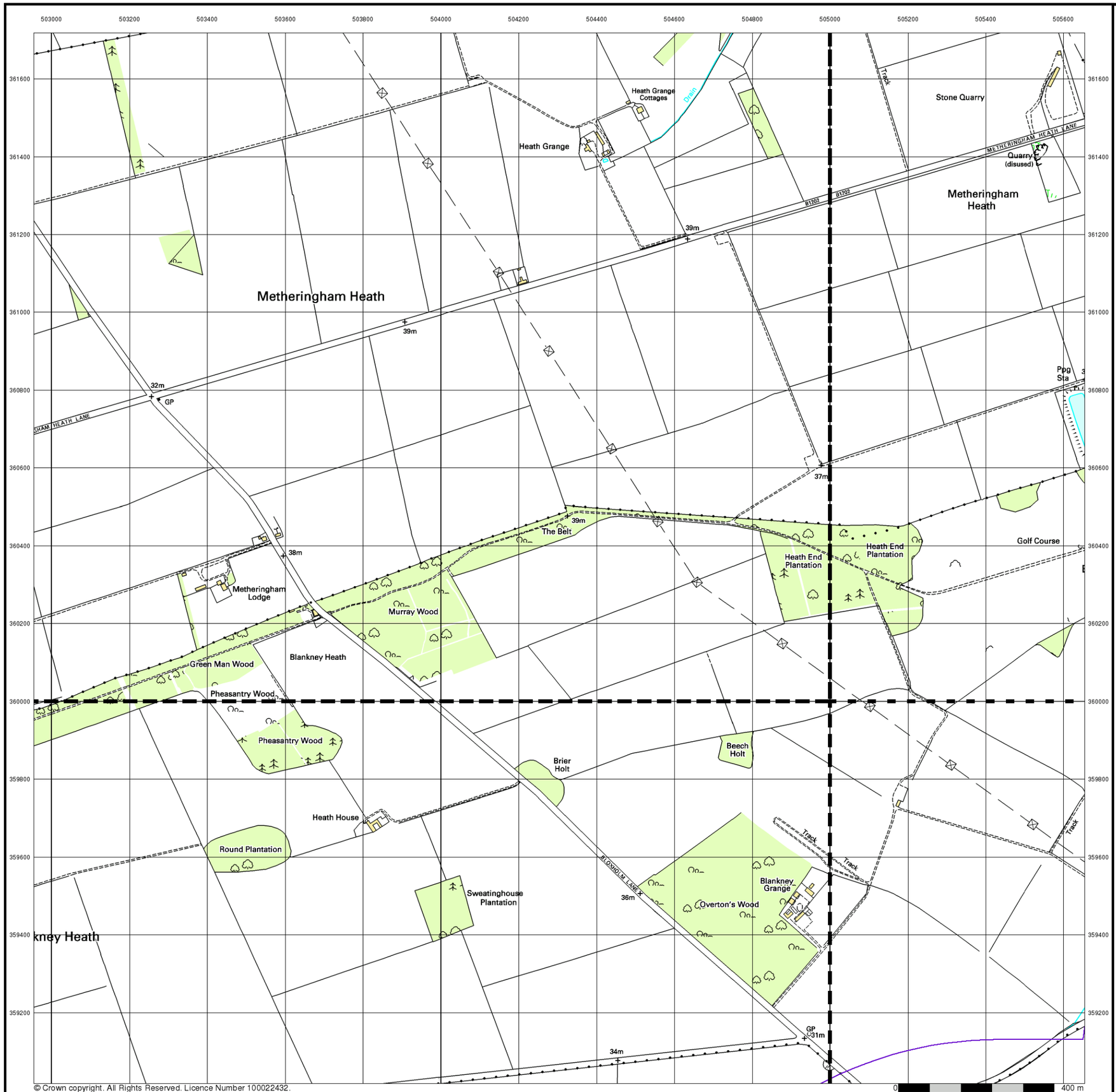

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RSK

10k Raster Mapping

Published 2000

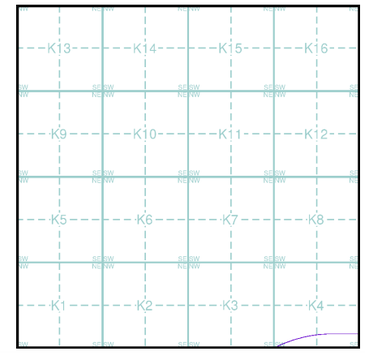
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TF06SW 2000 1:10,000	TF06SE 2000 1:10,000
TF05NW 2000 1:10,000	TF05NE 2000 1:10,000

Historical Map - Slice K



Order Details

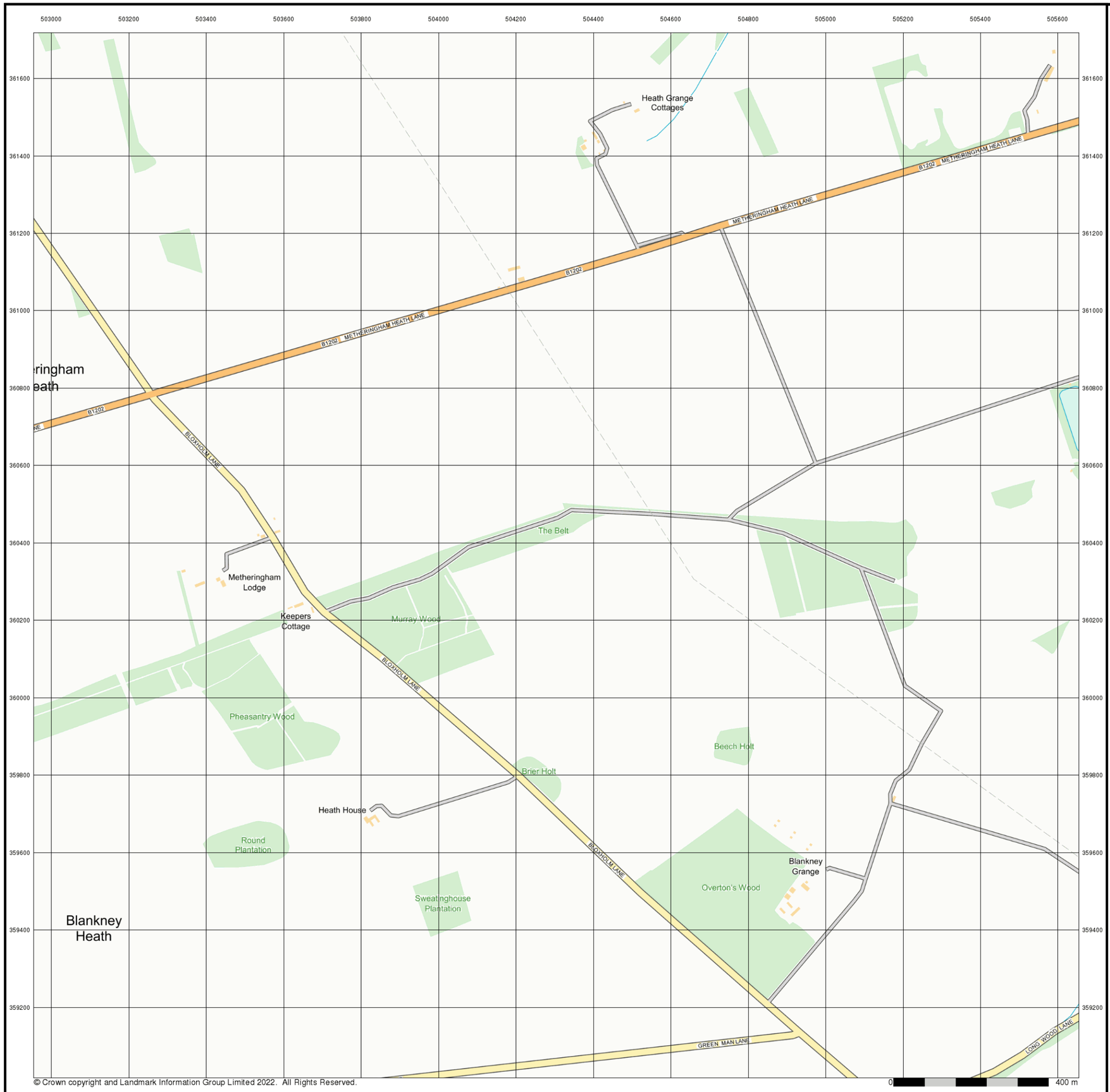
Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505380, 359070
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Street View

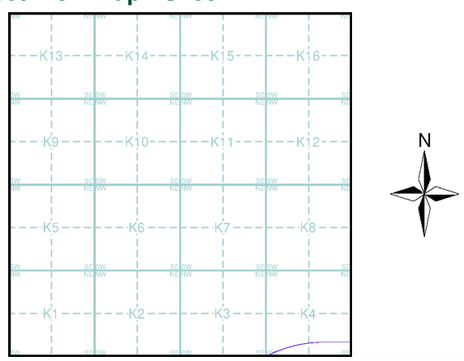
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice K



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	505380, 359070
Slice:	K
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX D12 ENVIRONMENTAL DATABASE REPORT – ZONE L

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
507180, 360220

Slice:
L

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
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Hazardous Substances	-
Geological	42
Industrial Land Use	48
Sensitive Land Use	51
Data Currency	52
Data Suppliers	56
Useful Contacts	57

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 4				18
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 9				3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature		Yes			
Pollution Incidents to Controlled Waters	pg 9		1		1
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 10	2	12	11	4 (*1)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 17	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 25	9	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 26	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 26	Yes	n/a	n/a	n/a
Source Protection Zones	pg 26	2	1		1
Extreme Flooding from Rivers or Sea without Defences	pg 26	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 26	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 27	43	20	16	30

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 40			1	
Licensed Waste Management Facilities (Locations)	pg 40				4
Local Authority Landfill Coverage	pg 41	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 41				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 42	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 42		1	1	5
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 43	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 43	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 44	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 44	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 44	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 45	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 46	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 46	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 48			1	28
Fuel Station Entries	pg 50				1
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland	pg 51			1	1
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 51	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L8NE (E)	0	1	508300 360100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L8SE (E)	0	1	508300 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7SE (SE)	0	1	507450 359700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L3NW (S)	0	1	507300 359650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7SW (S)	0	1	507177 359900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L7SE (SE)	0	1	507600 359800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L8NW (E)	0	1	507900 360215
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L8SW (E)	0	1	508000 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L8NE (E)	0	1	508050 360150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	508500 358600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L8SE (E)	0	1	508050 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L3SW (S)	0	1	507177 359350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L3NW (S)	0	1	507150 359400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L3NE (SE)	0	1	507650 359450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	507100 358550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L3NW (S)	0	1	507100 359400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	506800 358250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	508150 358950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	0	1	507300 358400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	508100 358600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L4SE (SE)	0	1	508200 359100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L7SE (S)	0	1	507350 359750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L7SW (S)	0	1	507300 359800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7SE (SE)	0	1	507500 359850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7SW (S)	0	1	507177 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	L8SW (E)	0	1	507800 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7NE (E)	0	1	507500 360215
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L8SW (E)	0	1	507700 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7SE (SE)	0	1	507500 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L8SW (SE)	0	1	507750 359900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7SW (S)	0	1	507100 359950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7NE (E)	0	1	507600 360100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7SE (SE)	0	1	507550 359950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L8SW (SE)	0	1	507700 359950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L6SE (SW)	0	1	506800 359700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	L7NW (S)	0	1	507200 360100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	L7NE (E)	0	1	507450 360150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	L7NE (E)	0	1	507650 360300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L3NE (S)	0	1	507350 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	507100 358400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L12SW (E)	0	1	507950 360400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	508450 358750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	507600 359000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L7SE (SE)	0	1	507550 359900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	505000 358650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7NW (S)	19	1	507177 360200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L7NW (W)	47	1	507150 360215
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L7NW (N)	50	1	507177 360300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7NW (SW)	64	1	507177 360215
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L6SW (SW)	108	1	506650 359950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7NW (SW)	119	1	507150 360200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L6SW (SW)	151	1	506600 359900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L11SW (N)	152	1	507100 360550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L7NW (SW)	159	1	507050 360150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L11SW (N)	186	1	507100 360700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L11NE (N)	231	1	507400 360900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L6SW (SW)	257	1	506500 359900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	266	1	506300 358900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	269	1	506350 358900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	283	1	506350 358700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L10SE (NW)	298	1	506950 360450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L6NW (W)	303	1	506500 360050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L6NW (W)	304	1	506600 360150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L10SE (NW)	326	1	506750 360400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L6NW (W)	332	1	506500 360100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L6SW (SW)	349	1	506400 359850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L6SW (W)	374	1	506400 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L6SW (SW)	378	1	506350 359750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L6SW (SW)	392	1	506350 359800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L6SW (SW)	399	1	506350 359850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L16SW (NE)	402	1	507850 361100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L16SW (NE)	405	1	507800 361150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L6SW (W)	406	1	506350 359950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	418	1	506200 358900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	420	1	505950 358600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	L6SW (W)	422	1	506350 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	424	1	509050 361200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L5SE (SW)	435	1	506300 359800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L5SE (SW)	448	1	506300 359850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L1NE (SW)	470	1	506250 359650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	470	1	505900 358650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	L5SE (SW)	491	1	506250 359800
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Metheringham Wrc, Moor Lane, Metheringham, Lincolnshire, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 7 Effective Date: 22nd December 2021 Issued Date: 22nd December 2021 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: A Tributary Of Carr Dyke **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	701	2	507990 361390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Metheringham Wrc, Moor Lane, Metheringham, Lincolnshire, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 7 Effective Date: 22nd December 2021 Issued Date: 22nd December 2021 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: A Tributary Of Carr Dyke **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	701	2	507990 361390
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Metheringham Wrc, Moor Lane, Metheringham, Lincolnshire, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 6 Effective Date: 27th October 2015 Issued Date: 27th October 2015 Revocation Date: 21st December 2021 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Car Dyke Meth'Gham Delph Rive **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	701	2	507990 361390
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Metheringham Wrc, Moor Lane, Metheringham, Lincolnshire, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 6 Effective Date: 27th October 2015 Issued Date: 27th October 2015 Revocation Date: 21st December 2021 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Car Dyke Meth'Gham Delph Rive **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	701	2	507990 361390
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Metheringham Wrc, Moor Lane, Metheringham, Lincolnshire, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 5 Effective Date: 31st March 2010 Issued Date: 31st March 2010 Revocation Date: 26th October 2015 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Car Dyke Meth'Gham Delph Rive **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	701	2	507990 361390

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Metheringham Wrc, Moor Lane, Metheringham, Lincolnshire, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 5 Effective Date: 31st March 2010 Issued Date: 31st March 2010 Revocation Date: 26th October 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Car Dyke Meth'Gham Delph Rive **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	701	2	507990 361390
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Metheringham Stw Ps Moor Lane, Metheringham, Lincoln, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 4 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Car Dyke Meth'Gham Delph Rive **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	712	2	508000 361400
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Metheringham Stw Ps Moor Lane, Metheringham, Lincoln, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 4 Effective Date: 1st April 2009 Issued Date: 14th October 2008 Revocation Date: 30th March 2010 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Car Dyke Meth'Gham Delph Rive **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	712	2	508000 361400
1	**Discharge Consents** Operator: Anglian Water Services Ltd. Property Type: Sewage Disposal Works - Water Company Location: Metheringham Stw Moor Lane, Metheringham, Lincoln, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Annnf1504 Permit Version: 1 Effective Date: 18th September 1989 Issued Date: 18th September 1989 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Ditch Receiving Water: Car Dyke Meth'Gham Delph Rive **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	712	2	508000 361400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Metheringham Stw Ps Moor Lane, Metheringham, Lincoln, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 3 Effective Date: 18th September 1989 Issued Date: 18th September 1989 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Car Dyke Meth'Gham Delph Rive **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	712	2	508000 361400
1	**Discharge Consents** Operator: Anglian Water Services Ltd. Property Type: Sewage Disposal Works - Water Company Location: Metheringham Stw Moor Lane, Metheringham, Lincoln, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nf333 Permit Version: 1 Effective Date: 19th October 1988 Issued Date: 19th October 1988 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Ditch Receiving Water: Car Dyke Meth'Gham Delph Rive **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	712	2	508000 361400
1	**Discharge Consents** Operator: Anglian Water Services Ltd. Property Type: Sewage Disposal Works - Water Company Location: Metheringham Stw Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nf333 Permit Version: 1 Effective Date: 19th October 1988 Issued Date: 19th October 1988 Revocation Date: Not Supplied Discharge Type: Storm /emergency overflow Discharge Environment: Ditch Receiving Water: Car Dyke Meth'Gham Delph Rive **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	712	2	508000 361400
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Metheringham Stw Ps Moor Lane, Metheringham, Lincoln, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 2 Effective Date: 19th October 1988 Issued Date: 19th October 1988 Revocation Date: 17th September 1989 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Car Dyke Meth'Gham Delph Rive **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	712	2	508000 361400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Metheringham Stw Ps Moor Lane, Metheringham, Lincoln, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 1 Effective Date: 5th March 1970 Issued Date: 5th March 1970 Revocation Date: 18th October 1988 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Car Dyke Meth'Gham Delph Rive **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	712	2	508000 361400
1	**Discharge Consents** Operator: Anglian Water Services Ltd. Property Type: Sewage Disposal Works - Water Company Location: Metheringham Stw Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 1 Effective Date: 5th March 1970 Issued Date: 5th March 1970 Revocation Date: 17th September 1989 Discharge Type: Storm /emergency overflow Discharge Environment: Ditch Receiving Water: Car Dyke Meth'Gham Delph Rive **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	712	2	508000 361400
1	**Discharge Consents** Operator: Anglian Water Services Ltd. Property Type: Sewage Disposal Works - Water Company Location: Metheringham Stw Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff821 Permit Version: 2 Effective Date: 18th September 1989 Issued Date: 5th March 1970 Revocation Date: Not Supplied Discharge Type: Storm /emergency overflow Discharge Environment: Ditch Receiving Water: Car Dyke Meth'Gham Delph Rive **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	712	2	508000 361400
1	**Discharge Consents** Operator: Anglian Water Services Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Metheringham Stw Ps Moor Lane, Metheringham, Lincoln, Ln4 3hx Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Aw3nff849 Permit Version: 1 Effective Date: 24th September 1970 Issued Date: 24th September 1970 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Metheringham Beck **Status:** **Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	745	2	508003 361433

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: Mr G A Ward Property Type: Not Supplied Location: Blankney Kcc Holding No 289, Blankney, Lincoln, Ln4 Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3nfa1140 Permit Version: 1 Effective Date: 2nd June 1963 Issued Date: 2nd June 1963 Revocation Date: 1st May 1991 Discharge Type: Unknown Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Approximate location provided by supplier	L5SE (W)	775	2	506000 360000
3	**Local Authority Pollution Prevention and Controls** Name: Longwood Quarries Ltd Location: Longwood Lane, Blankney, LINCOLN, LN4 3BN Authority: North Kesteven District Council, Environmental Health Department Permit Reference: Ippc/2004/9 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	L1NE (SW)	511	3	506176 359364
3	**Local Authority Pollution Prevention and Controls** Name: Longwood Quarries Ltd Location: Longwood Lane, Blankney, Ln4 3bn Authority: North Kesteven District Council, Environmental Health Department Permit Reference: IPPC/2004/9 Dated: 1st January 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	L1SE (SW)	519	3	506166 359344
4	**Local Authority Pollution Prevention and Controls** Name: Bye Pass Location: High Street, Metheringham, LINCOLN, Lincolnshire, LN4 3DX Authority: North Kesteven District Council, Environmental Health Department Permit Reference: IPPC/2006/34 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	L15NW (N)	846	3	507196 361440
	Nearest Surface Water Feature	L7SW (S)	0	-	507198 359824
5	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Lincoln District Authority: Environment Agency, Anglian Region Pollutant: Oils - Diesel (Including Agricultural) Note: Tributary Of Car Dyke Incident Date: 24th August 1996 Incident Reference: 2552 Catchment Area: Not Given Receiving Water: Into And/Or Watercourse Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	L12NW (NE)	99	2	507800 360800
6	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Lincoln District Authority: Environment Agency, Anglian Region Pollutant: Unknown Note: Metheringham Beck Incident Date: 21st October 1992 Incident Reference: 1493 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	804	2	507900 361500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Unnamed Drain Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L12SW (NE)	0	2	507800 360595
7	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Unnamed Drain Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L12SW (NE)	0	2	507800 360600
8	**Water Abstractions** Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: Blankney Beck , BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L11SW (N)	42	2	507225 360625
8	**Water Abstractions** Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: Blankney Beck , BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L11SW (N)	49	2	507220 360630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0153 Permit Version: 100 Location: Blankney Beck In Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Time Limit Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L12NW (NE)	88	2	507920 360780
10	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/018 Permit Version: Not Supplied Location: Well At, , BLANKNEY, Lincolnshire Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 450 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L6SE (SW)	109	2	506901 360001
11	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*i/150 Permit Version: Not Supplied Location: Blankney Beck B Authority: Environment Agency, Anglian Region Abstraction: Impounding Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L12NW (NE)	114	2	508000 360800
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0127 Permit Version: 101 Location: Blankney Brook In Blankney - Point B Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L12NW (NE)	117	2	507937 360808

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0127 Permit Version: 101 Location: Blankney Beck At Blankney - Point A Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L12NW (NE)	120	2	507950 360810
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0127 Permit Version: 100 Location: Blankney Beck At Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L12NW (NE)	120	2	507950 360810
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*i/150 Permit Version: Not Supplied Location: Blankney Beck A Authority: Environment Agency, Anglian Region Abstraction: Impounding Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L12NW (NE)	155	2	507950 360845
12	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*i/146 Permit Version: Not Supplied Location: Blankney Beck, BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Impounding Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L12NW (NE)	155	2	507955 360845

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Blankney Beck Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L11NE (NE)	143	2	507625 360825
13	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Blankney Beck Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L11NE (NE)	149	2	507620 360830
14	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Blankney Beck Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L10SE (NW)	267	2	506985 360535
14	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Blankney Beck Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L10SE (NW)	272	2	506980 360540

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0018 Permit Version: 100 Location: Bore A At Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L6NW (W)	480	2	506605 360295
15	**Water Abstractions** Operator: Blankney Golf Club Licence Number: 4/30/09/*G/0021 Permit Version: 100 Location: Golf Club Borehole Blankney Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 1st April 1975 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L6NW (W)	481	2	506600 360295
15	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/018 Permit Version: Not Supplied Location: Bore A At, , BLANKNEY, Lincolnshire Authority: Environment Agency, Anglian Region Abstraction: Private Water Undertaking Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 8 Yearly Rate (m3): 45460 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L6NW (W)	484	2	506605 360300
15	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0021 Permit Version: 101 Location: Golf Club Borehole Blankney Authority: Environment Agency, Anglian Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 May Authorised End: 30 September Permit Start Date: 10th October 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	L6NW (W)	486	2	506600 360300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0018 Permit Version: 101 Location: Bore A At Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	L6NW (W)	486	2	506600 360300
15	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0018 Permit Version: 101 Location: Bore A At Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 23rd July 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	L6NW (W)	486	2	506600 360300
15	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*G/0018 Permit Version: 100 Location: Bore A At Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: 01 January Authorised End: 31 March Permit Start Date: 1st October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L6NW (W)	486	2	506600 360300
15	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/018 Permit Version: Not Supplied Location: Scopwick Ests Bore3 , METH'NGHM Authority: Environment Agency, Anglian Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 0 Yearly Rate (m3): 450 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L6NW (W)	489	2	506605 360305

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Water Abstractions** Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/018 Permit Version: Not Supplied Location: Bore A At, , BLANKNEY, Lincolnshire Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 8 Yearly Rate (m3): 45000 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L6NW (W)	491	2	506600 360305
16	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Unnamed Drain Metheringham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L16NW (N)	763	2	507685 361465
16	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Unnamed Drain Metheringham Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L16NW (N)	769	2	507680 361470
17	**Water Abstractions** Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	817	2	508005 361505

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Water Abstractions** Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: Unnamed Drain , METHERINGHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	822	2	508000 361510
	Water Abstractions Operator: Blankney Estates Limited Licence Number: 4/30/09/*g/018 Permit Version: Not Supplied Location: Scopwick Ests Bore1 , BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Well And Borehole Daily Rate (m3): 3 Yearly Rate (m3): 436420 Details: Central Lincolnshire Limestone; Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	L9NW (NW)	1356	2	505800 360800
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	L12SW (NE)	0	4	507690 360565
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L6SE (SW)	0	4	507000 359899

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L7SW (S)	0	4	507075 359884
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L2SE (S)	0	4	507000 359093
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	4	507000 359000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	4	507062 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	4	507981 359000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	4	508000 359000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L8SW (E)	0	4	507829 360000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L4SW (SE)	0	4	508000 359113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L8SW (E)	0	4	508000 359964
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	L12SW (E)	0	4	507736 360431
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L7SW (SE)	0	4	507311 360000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	L7NW (E)	0	4	507222 360224

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	L12SW (NE)	0	4	507862 360650
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	L12SW (NE)	0	4	508000 360667
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	4	506000 359000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	4	506659 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	4	507177 359000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	4	508180 359000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	(E)	0	4	509000 360000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	L7NW (SW)	0	4	507177 360215

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	L7NE (E)	0	4	507478 360179
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	L8NW (E)	0	4	507906 360245
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	L8NW (E)	0	4	508000 360215
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SE)	0	4	509000 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: High	(E)	0	4	509000 360215
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L6SE (SW)	0	4	507000 360000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L2SE (S)	0	4	507000 359308
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L7SW (S)	0	4	507177 360000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L8SW (E)	0	4	507982 360000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L4NW (SE)	0	4	508000 359653
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	L8SW (E)	0	4	508000 360000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	L7NW (SW)	0	4	507177 360215
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	L8NW (E)	0	4	508000 360215
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(SW)	0	4	506000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(S)	0	4	507000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(S)	0	4	507177 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(SE)	0	4	508000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	L6SE (SW)	0	4	507000 360000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	L7SW (S)	0	4	507177 360000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	L8SW (E)	0	4	508000 360000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	L7SW (S)	0	4	507075 359884
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	L8SW (E)	0	4	507829 360000
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	L12SW (E)	0	4	507736 360431
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(W)	0	4	505000 360000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	L7SW (S)	0	4	507177 360000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	L7NW (SW)	0	4	507177 360215
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	L8SW (E)	0	4	507982 360000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	L8NW (E)	0	4	507906 360245
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	L7NW (E)	0	4	507222 360224
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	L7SW (SE)	0	4	507311 360000
18	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone IIc (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater - subsurface activity only.	(SW)	0	2	506347 358310
19	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	(SW)	0	2	506512 358686
20	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	L10SE (NW)	177	2	506924 360435
21	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	L10NW (NW)	661	2	506588 360812
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	L7NW (S)	0	2	507172 360202
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	L8NW (E)	0	2	507977 360322
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	L7NE (SE)	0	2	507500 360045

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	L7NW (S)	0	2	507177 360195
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	L8NW (E)	0	2	507981 360296
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 329.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11SW (N)	0	5	507249 360523
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 235.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11SE (NE)	0	5	507413 360564
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 136.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11SE (NE)	0	5	507676 360563
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11SE (NE)	0	5	507672 360565
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 68.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11SE (NE)	0	5	507672 360565
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 254.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SW (NE)	0	5	507809 360590
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 223.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	L3NE (SE)	0	5	507484 359530

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L3NE (SE)	0	5	507484 359532
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 356.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L7SE (SE)	0	5	507461 359888
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L6SE (SW)	0	5	506974 359758
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 239.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L7SW (S)	0	5	507198 359824
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 73.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L7SW (S)	0	5	507269 359845
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 197.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L7SW (S)	0	5	507269 359845
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 276.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L7NE (E)	0	5	507445 360163
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 312.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L7NW (S)	0	5	507210 360112
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L7NE (E)	0	5	507445 360163

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L7NE (E)	0	5	507446 360169
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 482.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L7NE (E)	0	5	507447 360172
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 206.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SW (E)	0	5	507722 360392
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 234.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SW (E)	0	5	507719 360403
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 166.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SW (E)	0	5	507719 360403
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 46.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11SE (NE)	0	5	507627 360559
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 492.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SE (NE)	0	5	508227 360674
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 316.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L4SE (SE)	0	5	508065 359260
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 379.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L4SE (SE)	0	5	508071 359261

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 407.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L4NW (SE)	0	5	507960 359652
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 250.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L8NW (E)	0	5	507812 360260
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 343.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L8NE (E)	0	5	508065 360301
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 261.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	L8NE (E)	0	5	508283 360364
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 178.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SW (E)	0	5	507955 360469
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 229.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SW (NE)	0	5	507809 360590
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 62.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SE (NE)	0	5	508061 360669
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SE (E)	0	5	508125 360523
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SE (E)	0	5	508127 360524

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 171.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L8SE (SE)	0	5	508335 359731
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 610.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L8NW (E)	0	5	507812 360260
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 249.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	L12SE (NE)	0	5	508129 360667
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 214.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12SE (E)	0	5	508174 360534
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 516.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L2SE (S)	0	5	506879 359318
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 305.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L2NE (S)	0	5	507002 359498
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L2NE (S)	0	5	507002 359498
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 264.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L6SE (SW)	0	5	506963 359758
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L3NE (SE)	0	5	507482 359529

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 64.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11SW (N)	10	5	507242 360543
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 269.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11SW (N)	35	5	507221 360610
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 313.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L10SE (NW)	36	5	506976 360524
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11SW (N)	36	5	507217 360602
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11SW (N)	38	5	507212 360599
70	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12NW (NE)	108	5	508015 360793
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12NE (NE)	109	5	508017 360794
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 88.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12NW (NE)	114	5	507938 360805
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 546.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11NE (NE)	115	5	507422 360776

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 163.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12NE (NE)	115	5	508025 360799
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 405.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L7NW (S)	135	5	507144 360098
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 302.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12NW (NE)	135	5	507949 360825
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11NE (NE)	161	5	507418 360776
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 54.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11NE (NE)	162	5	507418 360776
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 160.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L6SE (SW)	181	5	506745 360026
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 79.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	L12NE (NE)	207	5	508164 360881
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 161.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12NE (NE)	207	5	508164 360881
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11NE (N)	209	5	507388 360821

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 219.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11NE (N)	216	5	507385 360827
84	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 96.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L6SW (W)	250	5	506586 360023
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 124.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12NE (NE)	264	5	508191 360943
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12NE (NE)	271	5	508191 360943
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L6SW (W)	289	5	506502 359976
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 205.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L12NE (NE)	289	5	508309 360952
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 171.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L6SW (W)	292	5	506498 359973
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L10SE (NW)	309	5	506944 360557
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 486.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L10SE (NW)	314	5	506939 360562

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 288.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L6SW (SW)	384	5	506373 359859
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11NW (N)	403	5	507252 361001
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11NW (N)	406	5	507293 361008
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 86.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L11NW (N)	428	5	507293 361030
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 410.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	(NE)	460	5	508459 361094
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	462	5	507374 361109
98	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 40.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	473	5	507356 361086
99	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 15.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	485	5	507374 361109
100	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	500	5	507368 361123

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 54.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	505	5	507372 361130
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 112.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L1NE (SW)	539	5	506186 359641
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	554	5	507373 361184
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 82.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	558	5	507374 361188
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 311.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L1NE (SW)	600	5	506113 359556
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	615	5	507411 361262
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 198.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SW (N)	618	5	507219 361213
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	620	5	507414 361267
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 320.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	621	5	507414 361269

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	621	5	507414 361269
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 47.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	630	5	507405 361276
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L16SW (NE)	633	5	507721 361337
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 495.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L16SW (NE)	636	5	507731 361340
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15SE (N)	698	5	507373 361337
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 64.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	L16NW (NE)	714	5	507959 361405
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	L16NE (NE)	724	5	508030 361410
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 215.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	L16NE (NE)	726	5	508043 361411
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L16NE (NE)	758	5	508215 361430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L16NE (NE)	760	5	508222 361431
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 697.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L16NE (NE)	761	5	508227 361432
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 308.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15NE (N)	762	5	507673 361462
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 162.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	L16NE (NE)	788	5	508256 361457
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 341.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L1NW (SW)	840	5	505849 359393
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	L16NW (NE)	876	5	507982 361566
125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 135.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15NW (N)	903	5	507210 361498
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L15NW (N)	912	5	507180 361505
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L16NW (NE)	974	5	507929 361669

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L16NW (NE)	979	5	507925 361673
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 384.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L16NW (NE)	981	5	507954 361673
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 109.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	L16NW (NE)	984	5	507921 361678

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
131	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Longwood Quarry Licence Number: 70908 Location: Longwood Quarries Ltd, Longwood Lane, Blankney, Lincoln, Lincolnshire, LN4 3BN Licence Holder: Longwood Quarries Ltd Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) Max Input Rate: Not Supplied **Licence Status: Closure** Issued: 27th February 1987 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	L1SE (SW)	393	2	506208 359180
132	**Licensed Waste Management Facilities (Locations)** Licence Number: 70908 Location: Longwood Lane, Blankney, Lincoln, Lincolnshire, LN4 3BN Operator Name: Longwood Quarries Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Landfills Taking Non-biodegradeable Wastes (Not Construction) **Licence Status: Closed** Issued: 27th February 1987 Last Modified: 6th January 2015 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	L1NE (SW)	546	2	506160 359500
133	**Licensed Waste Management Facilities (Locations)** Licence Number: 73101 Location: Units 1, 2 And 3, Moorland Trading Estate, Metheringham, Lincolnshire, LN4 3HX Operator Name: Balcan Engineering Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Transfer Stations Taking Non-biodegradable Wastes **Licence Status: Surrendered** Issued: 26th July 2002 Last Modified: 7th January 2004 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 5th September 2005 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	764	2	507904 361459
134	**Licensed Waste Management Facilities (Locations)** Licence Number: 73246 Location: Moorlands Ind Est, Moor Lane, Metheringham, Lincoln, Lincolnshire, LN4 3HX Operator Name: Evolution Waste Management Limited Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Modified** Issued: 4th January 2006 Last Modified: 30th November 2017 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	L16NW (NE)	885	2	507963 361576
135	**Licensed Waste Management Facilities (Locations)** Licence Number: 71014 Location: Unit 2a, Moorlands Ind. Estate, Moor Lane, Metheringham, Lincolnshire, LN4 3HX Operator Name: G B C Clinical Disposals Ltd Operator Location: Not Supplied Authority: Environment Agency - Anglian Region, Northern Area Site Category: Clinical Waste Transfer Stations **Licence Status: Surrendered** Issued: 4th September 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 25th January 2000 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	L16NW (NE)	904	2	507900 361600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	3	507177 360215
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	507177 360215
136	**Registered Waste Treatment or Disposal Sites** Licence Holder: G.B.C. Clinical Disposals Ltd Licence Reference: L300 Site Location: Unit 2a Moorlands Industrial Estate, Moor Lane, Metheringham, Lincoln, Lincolnshire Operator Location: Unit 4 Enterprise Court, Lake Road, BRAINTREE, Essex, CM7 3QS Authority: Environment Agency - Anglian Region, Northern Area Site Category: Transfer - with treatment Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 4th September 1996 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Clinical - As In Control.Waste Regs'92 Max.Waste Permitted By Licence Prohibited Waste: Waste N.O.S.	L16NW (NE)	835	2	507980 361525

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Inferior Oolite Group	L7NW (SW)	0	1	507177 360215
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	L7NE (E)	0	1	507507 360271
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	L12NE (NE)	0	1	508033 360841
137	**BGS Recorded Mineral Sites** Site Name: Blankney Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134899 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L11SW (N)	19	1	507230 360405
138	**BGS Recorded Mineral Sites** Site Name: Blankney Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134898 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L10NE (N)	346	1	506954 360768
139	**BGS Recorded Mineral Sites** Site Name: Long Wood Lane Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134887 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L1NE (SW)	508	1	506195 359477
140	**BGS Recorded Mineral Sites** Site Name: Long Wood Lane Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134888 Type: Opencast **Status: Ceased** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L1NE (SW)	556	1	506130 359360
141	**BGS Recorded Mineral Sites** Site Name: Long Wood Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134897 Type: Opencast **Status: Ceased** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L1SE (SW)	572	1	506100 359255

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	**BGS Recorded Mineral Sites** Site Name: Long Wood Lane Stone Pit Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134889 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L1NE (SW)	638	1	506056 359421
143	**BGS Recorded Mineral Sites** Site Name: Blankney Park Stone Pit Location: Blankney Park, Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134896 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L9SE (W)	945	1	506080 360499
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (SE)	0	1	507311 360000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NW (E)	0	1	507222 360224
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507478 360179
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L11NE (N)	250	1	507433 360902
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507478 360179
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L7NW (E)	0	1	507222 360224
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L7SW (SE)	0	1	507311 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L11NE (N)	250	1	507433 360902

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NW (E)	0	1	507222 360224
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L8SE (E)	0	1	508343 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (SE)	0	1	507311 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L8SW (E)	0	1	507829 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507075 359884
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507478 360179
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8NW (E)	0	1	507906 360245
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8SW (E)	0	1	507982 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L11NE (N)	250	1	507433 360902
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	L11SE (NE)	32	1	507517 360626
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L7SW (SE)	0	1	507311 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L7NW (E)	0	1	507222 360224
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507478 360179
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8NE (E)	0	1	508246 360353
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8SE (E)	0	1	508343 360000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L11NE (N)	250	1	507433 360902
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L8NW (E)	0	1	507906 360245
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507478 360179
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L8SW (E)	0	1	507982 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L12SW (E)	0	1	507736 360431
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L8SW (E)	0	1	507829 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8NE (E)	0	1	508246 360353
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8SE (E)	0	1	508343 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	L12SW (NE)	0	1	507862 360650
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	L7NW (E)	0	1	507222 360224
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	L7SW (SE)	0	1	507311 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L11NE (N)	250	1	507433 360902
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 359926
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360001
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L8NE (E)	0	1	508175 360301
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L8SE (E)	0	1	508275 360001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L7SW (SW)	0	1	507075 360001
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L7SE (SE)	0	1	507400 359976
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507400 360215
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L7SE (SE)	0	1	507400 360001
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L8SE (E)	0	1	508275 359951
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507050 359826
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	L7NW (NE)	0	1	507275 360276
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 359926
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360001
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L8NE (E)	0	1	508175 360301
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L8SE (E)	0	1	508275 360001
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L7SW (SW)	0	1	507075 360001
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L7SE (SE)	0	1	507400 359976
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507400 360215
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L7SE (SE)	0	1	507400 360001

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L8SE (E)	0	1	508275 359951
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507050 359826
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	L7NW (NE)	0	1	507275 360276

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	**Contemporary Trade Directory Entries** Name: A & J A Roberts Location: Lincoln Rd, Blankney, Lincoln, Lincolnshire, LN4 3AZ Classification: Fishing & Angling Equipment - Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	L6NE (W)	364	-	506762 360224
145	**Contemporary Trade Directory Entries** Name: Longwood Quarries Ltd Location: Longwood Lane, Blankney, Lincoln, LN4 3BN Classification: Quarries **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L1SE (SW)	519	-	506166 359345
145	**Contemporary Trade Directory Entries** Name: Longwood Quarries Ltd Location: Longwood Lane, Blankney, Lincoln, LN4 3BN Classification: Quarries **Status: Active** Positional Accuracy: Automatically positioned to the address	L1SE (SW)	519	-	506166 359345
146	**Contemporary Trade Directory Entries** Name: P A Porter Location: 29, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	714	-	507810 361416
146	**Contemporary Trade Directory Entries** Name: Elesa Uk Location: 26, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Machine Tools - Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	718	-	507849 361417
146	**Contemporary Trade Directory Entries** Name: Laws Transport Ltd Location: 30, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	721	-	507799 361424
146	**Contemporary Trade Directory Entries** Name: Elesa Ltd Location: 26, Moor Lane, Metheringham, Lincoln, Lincolnshire, LN4 3HX Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	727	-	507836 361427
146	**Contemporary Trade Directory Entries** Name: The Dyno Centre Location: 25, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	731	-	507787 361435
147	**Contemporary Trade Directory Entries** Name: Datem Ltd Location: 25, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	727	-	507786 361431
148	**Contemporary Trade Directory Entries** Name: Tru-Gen Ltd Location: 7, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Generators - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	730	-	507903 361425
148	**Contemporary Trade Directory Entries** Name: T M Engineering Co Location: 11, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	739	-	507933 361432
148	**Contemporary Trade Directory Entries** Name: Oakhouse Location: 10-11, Moor Lane, Metheringham, Lincoln, Lincolnshire, LN4 3HX Classification: Frozen Food Processors & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	745	-	507934 361438

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	**Contemporary Trade Directory Entries** Name: Decoupage Designs Location: Moor La, Metheringham, Lincoln, LN4 3HX Classification: Ceramic Manufacturers, Supplies & Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	L16NW (NE)	761	-	507888 361458
148	**Contemporary Trade Directory Entries** Name: T M Engineering Co Location: 1-4, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	762	-	507889 361458
148	**Contemporary Trade Directory Entries** Name: K A D Fibre Glass Products Location: Moor La, Metheringham, Lincoln, Lincolnshire, LN4 3HX Classification: Glass Fibre Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	L16NW (NE)	762	-	507889 361458
148	**Contemporary Trade Directory Entries** Name: Sprayer Spares Ltd Location: 2, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Agricultural Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	765	-	507897 361461
148	**Contemporary Trade Directory Entries** Name: Ramsay Soil Injection Ltd Location: 3, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Agricultural Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	768	-	507904 361463
148	**Contemporary Trade Directory Entries** Name: Heward Microjets Location: 1-4 Moor La, Metheringham, Lincoln, Lincolnshire, LN4 3HX Classification: Engineers - General **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	L16NW (NE)	770	-	507911 361465
148	**Contemporary Trade Directory Entries** Name: Lincoln Jigs Ltd Location: 5, Moor Lane, Metheringham, LINCOLN, LN4 3HX Classification: Precision Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	774	-	507919 361469
149	**Contemporary Trade Directory Entries** Name: Talon Bird Control Location: 29, Station Road, Metheringham, Lincoln, LN4 3HR Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L15NE (N)	765	-	507344 361398
149	**Contemporary Trade Directory Entries** Name: D L S Blinds Location: 19, STATION ROAD, METHERINGHAM, LINCOLN, LN4 3HR Classification: Blinds, Awnings & Canopies **Status: Active** Positional Accuracy: Automatically positioned to the address	L15NW (N)	790	-	507324 361417
150	**Contemporary Trade Directory Entries** Name: Karline Garage Location: 18, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	803	-	507854 361502
150	**Contemporary Trade Directory Entries** Name: Home & Office Pine Ltd Location: 17-18, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	805	-	507848 361504
151	**Contemporary Trade Directory Entries** Name: Oakhouse Foods Location: 13, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Frozen Food Processors & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	837	-	507985 361527

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	**Contemporary Trade Directory Entries** Name: Texaco Location: High Street, Metheringham, Lincoln, LN4 3DX Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	L15NW (N)	846	-	507195 361440
152	**Contemporary Trade Directory Entries** Name: By-Pass Filling Station Location: High Street, Metheringham, Lincoln, LN4 3DX Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L15NW (N)	846	-	507195 361440
153	**Contemporary Trade Directory Entries** Name: Interspares Uk Ltd Location: 15a, Moor Lane, Metheringham, Lincoln, LN4 3HX Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Active** Positional Accuracy: Automatically positioned to the address	L16NW (NE)	884	-	507934 361577
154	**Contemporary Trade Directory Entries** Name: China Repair Location: 15, High Street, Metheringham, Lincoln, LN4 3DZ Classification: China & Glassware Manufacturers & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L14NE (N)	942	-	506891 361465
155	**Contemporary Trade Directory Entries** Name: Townsendx Location: 26-28, High Street, Metheringham, Lincoln, LN4 3EA Classification: Agricultural Machinery - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	L14NE (N)	991	-	506828 361490
156	**Fuel Station Entries** Name: Bypass Service Station Location: High Street Station Road, Metheringham , Lincoln, Lincolnshire, LN4 3DX Brand: Texaco Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	L15NW (N)	846	-	507195 361440

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
157	**Ancient Woodland** Name: Long Wood Reference: 1115437 Area(m²): 53986.75 Type: Ancient and Semi-Natural Woodland	L1NE (SW)	449	7	506200 359527
158	**Ancient Woodland** Name: Long Wood Reference: 1115437 Area(m²): 28712.75 Type: Plantation on Ancient Woodland	L1SW (SW)	696	7	505922 359335
159	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	L7NW (SW)	0	4	507177 360215
160	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	L7NW (SW)	0	4	507177 360215

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

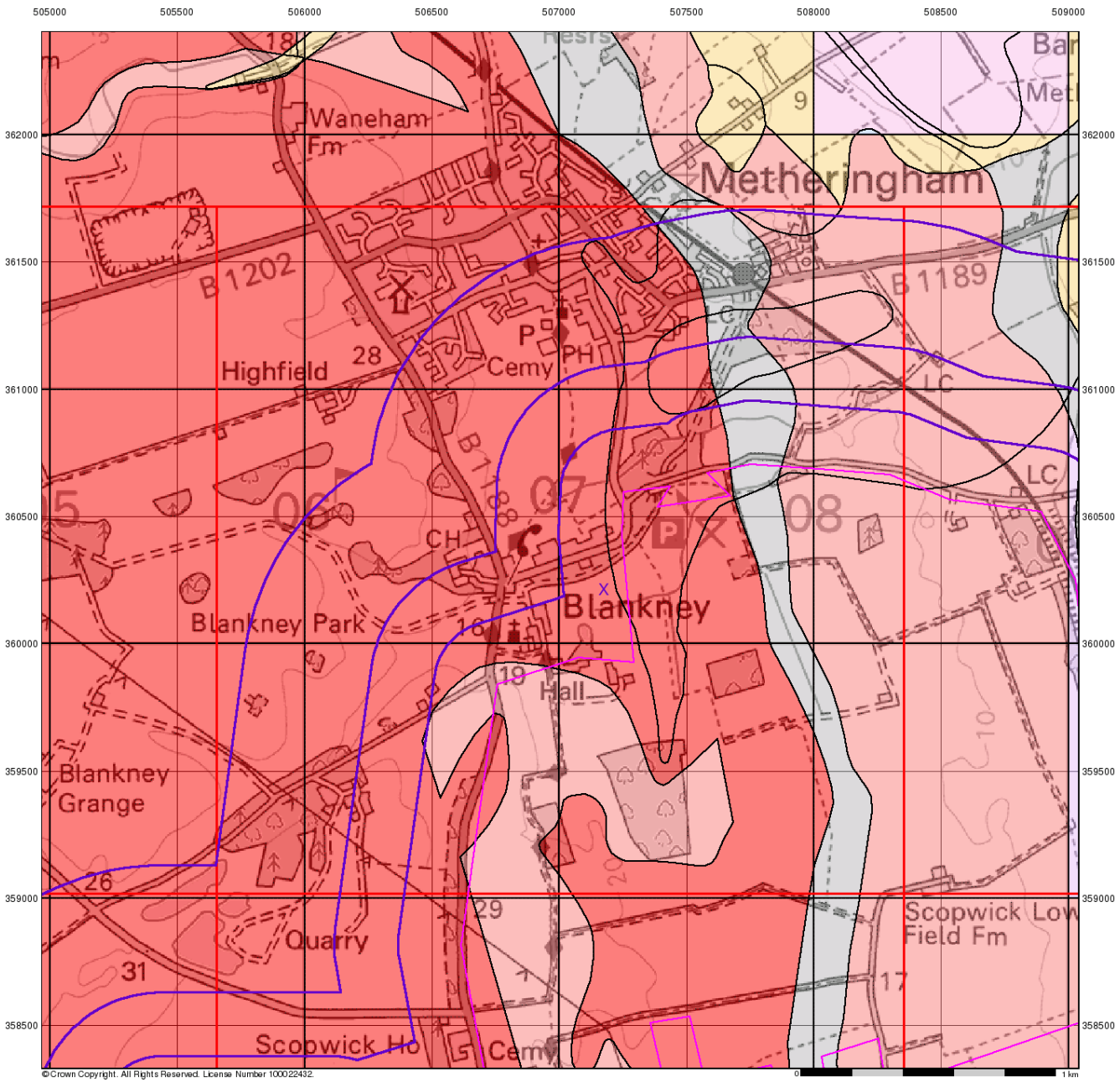
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

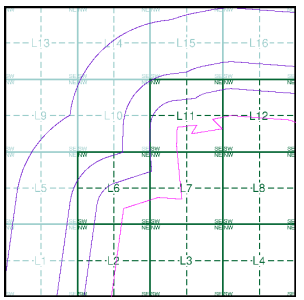
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice L



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP
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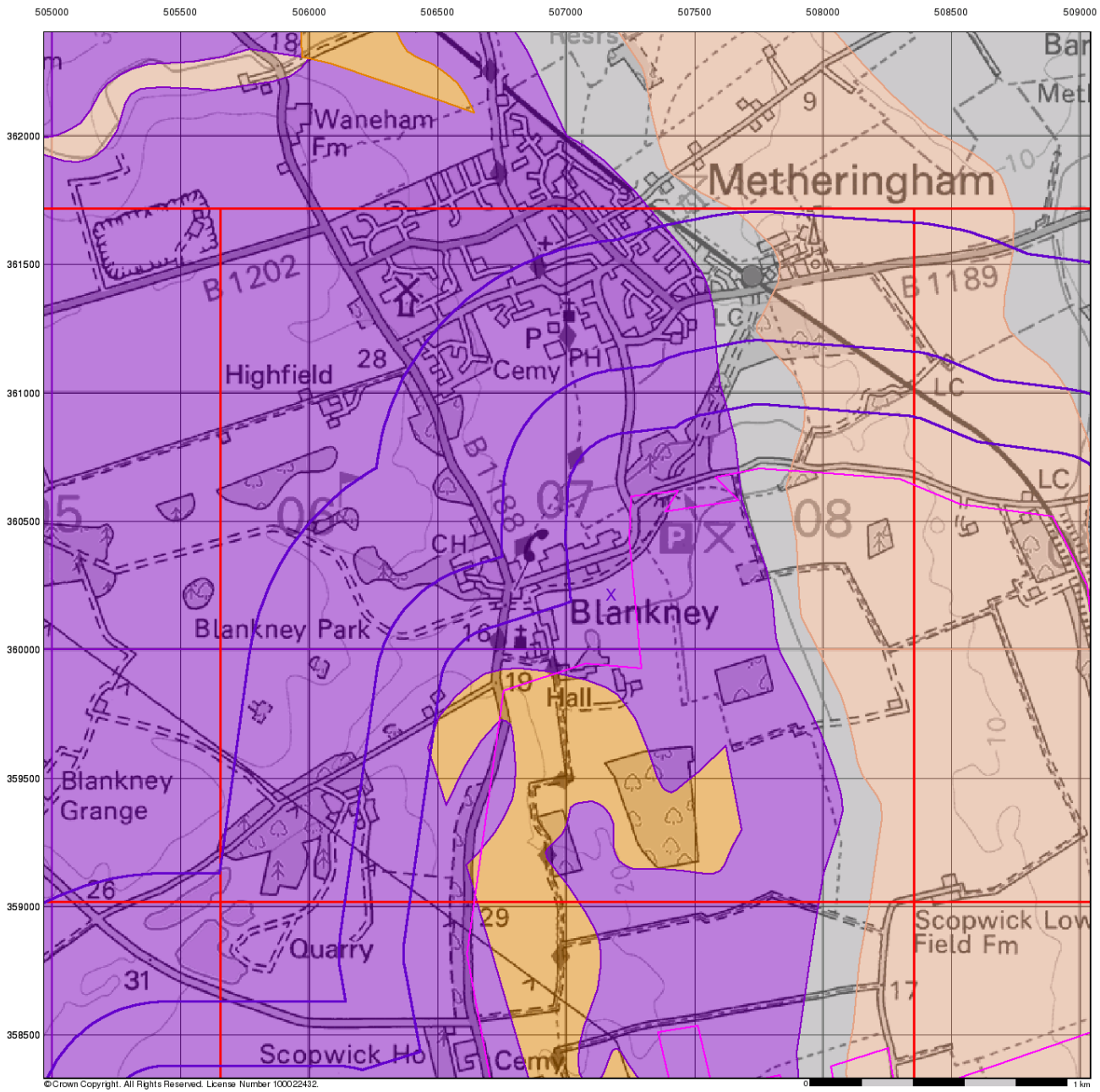
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



RSK

Bedrock Aquifer Designation

General

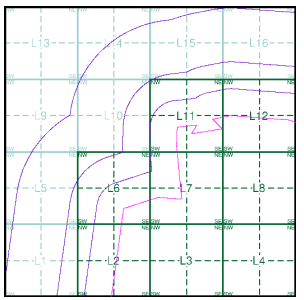
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice L

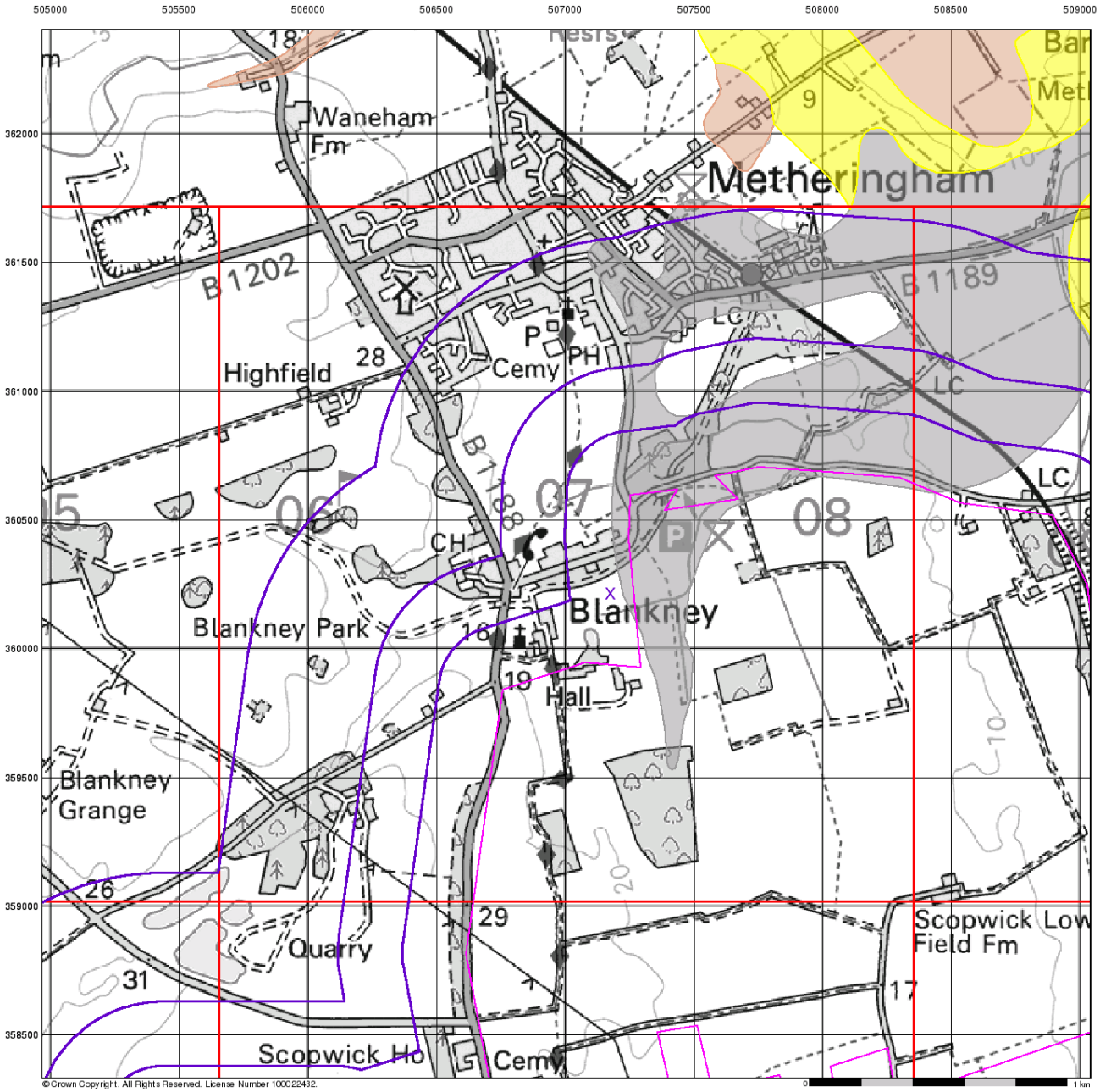


Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New



RSK

Superficial Aquifer Designation

General

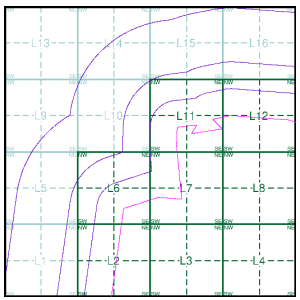
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice L



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

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All Areas New

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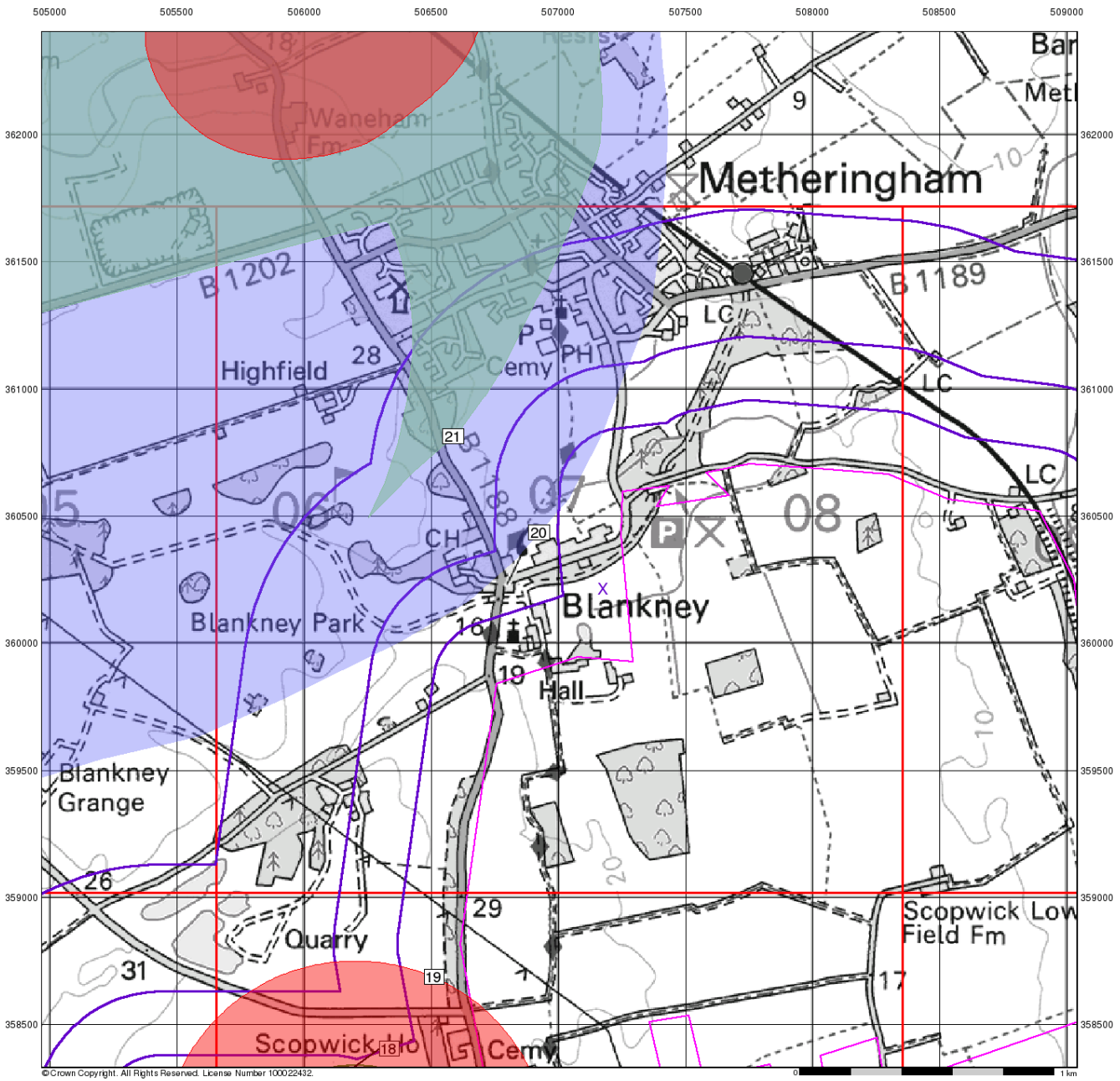


Source Protection Zones

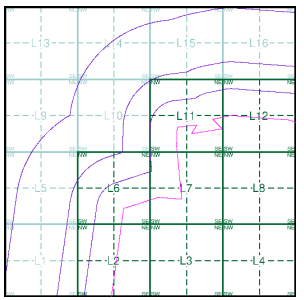
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice L



Order Details

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Site Details

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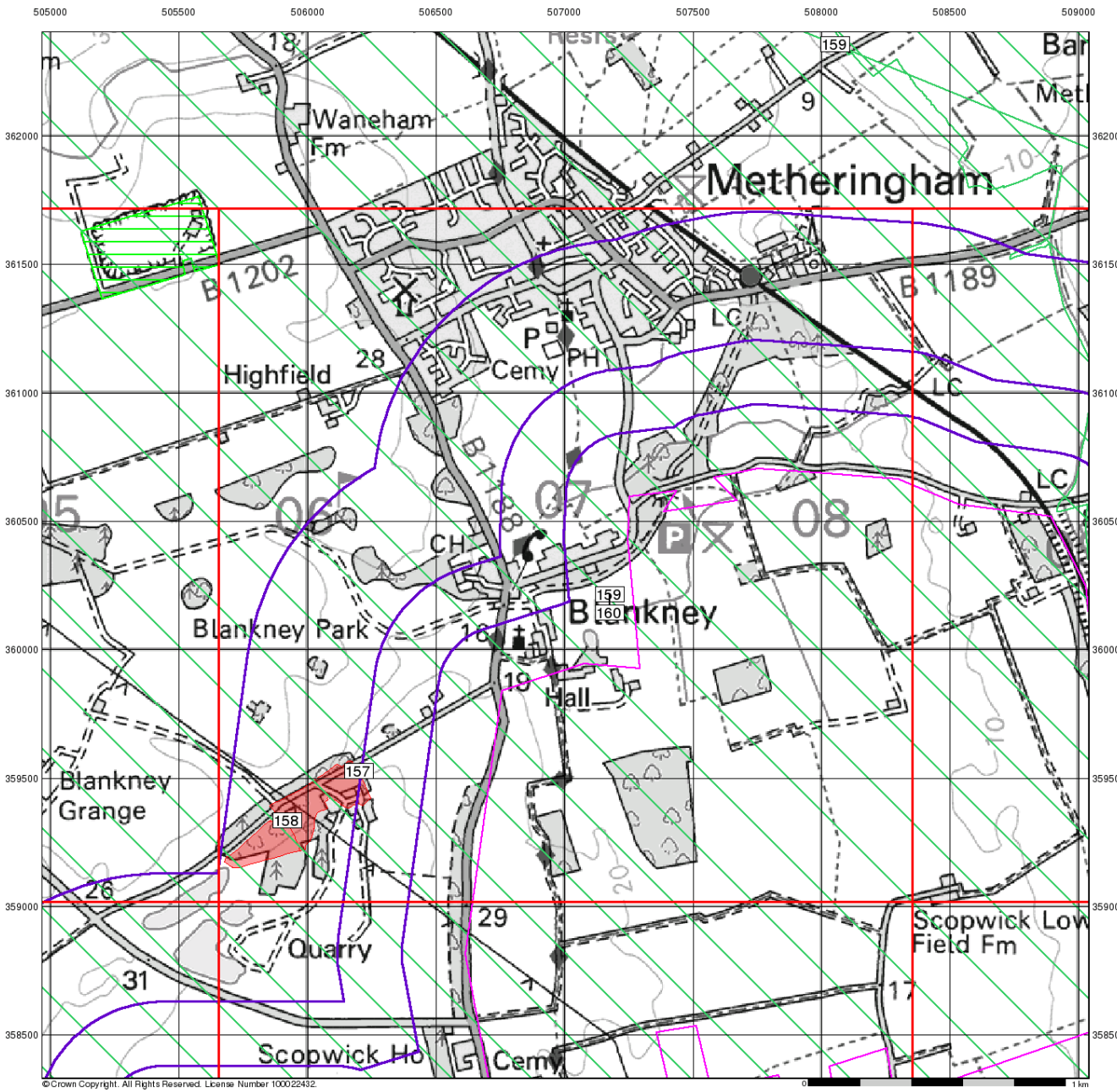


RSK

Sensitive Land Uses

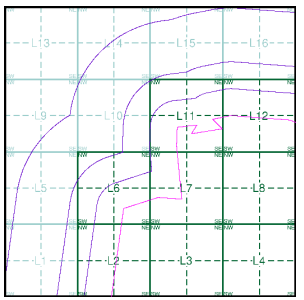
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice L



Order Details

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National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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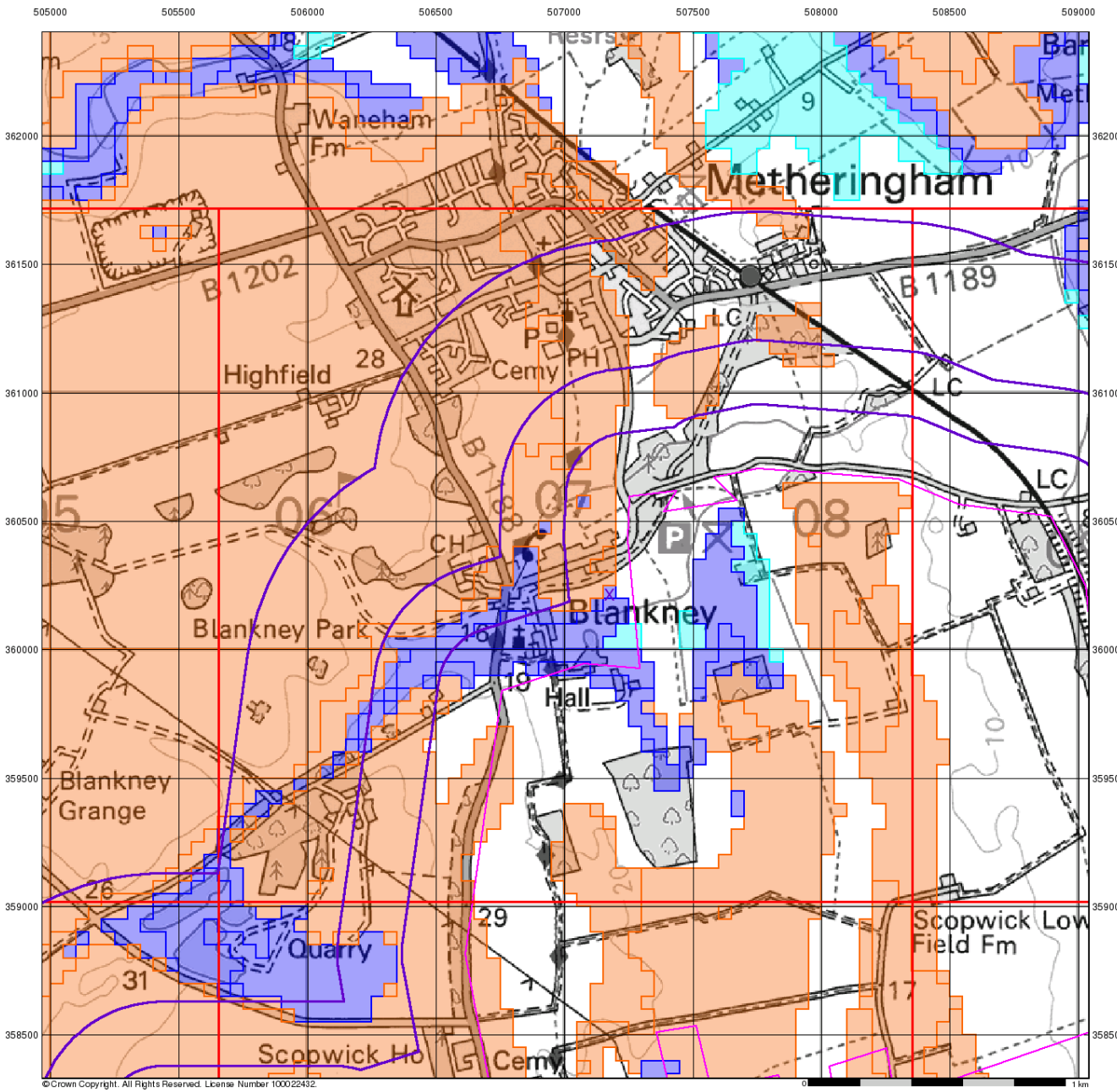


RSK

BGS Flood GFS Data

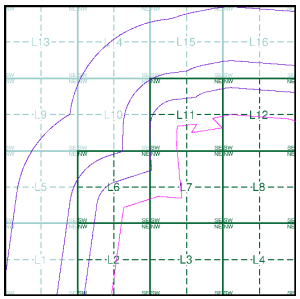
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice L



Order Details

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Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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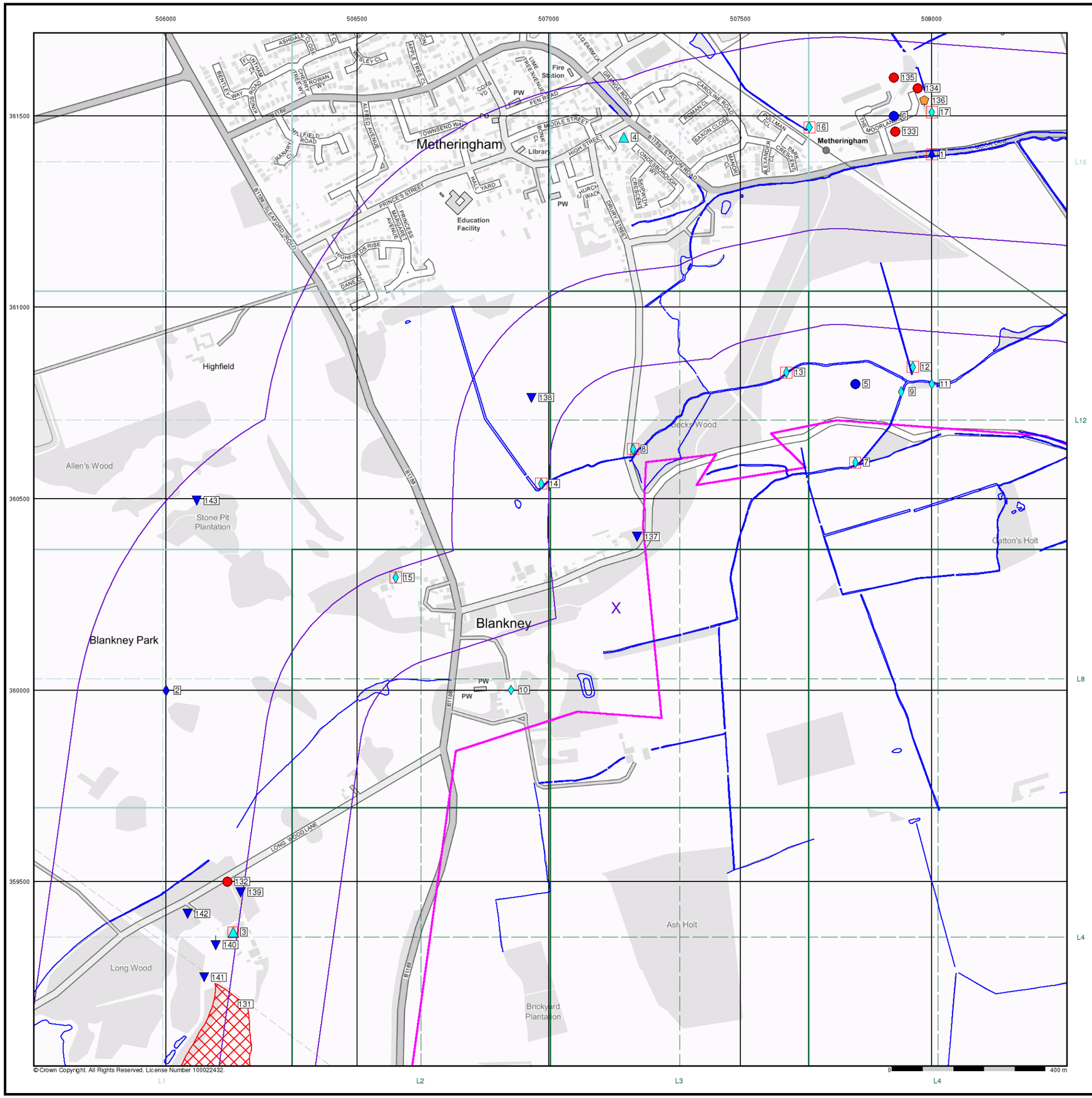

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RSK

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

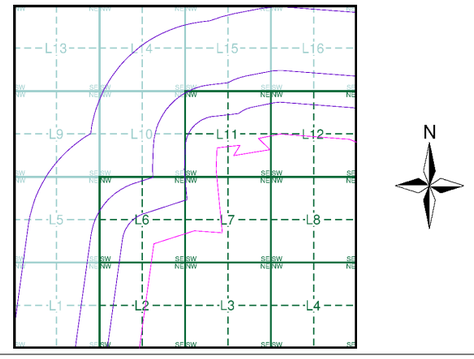
Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice L



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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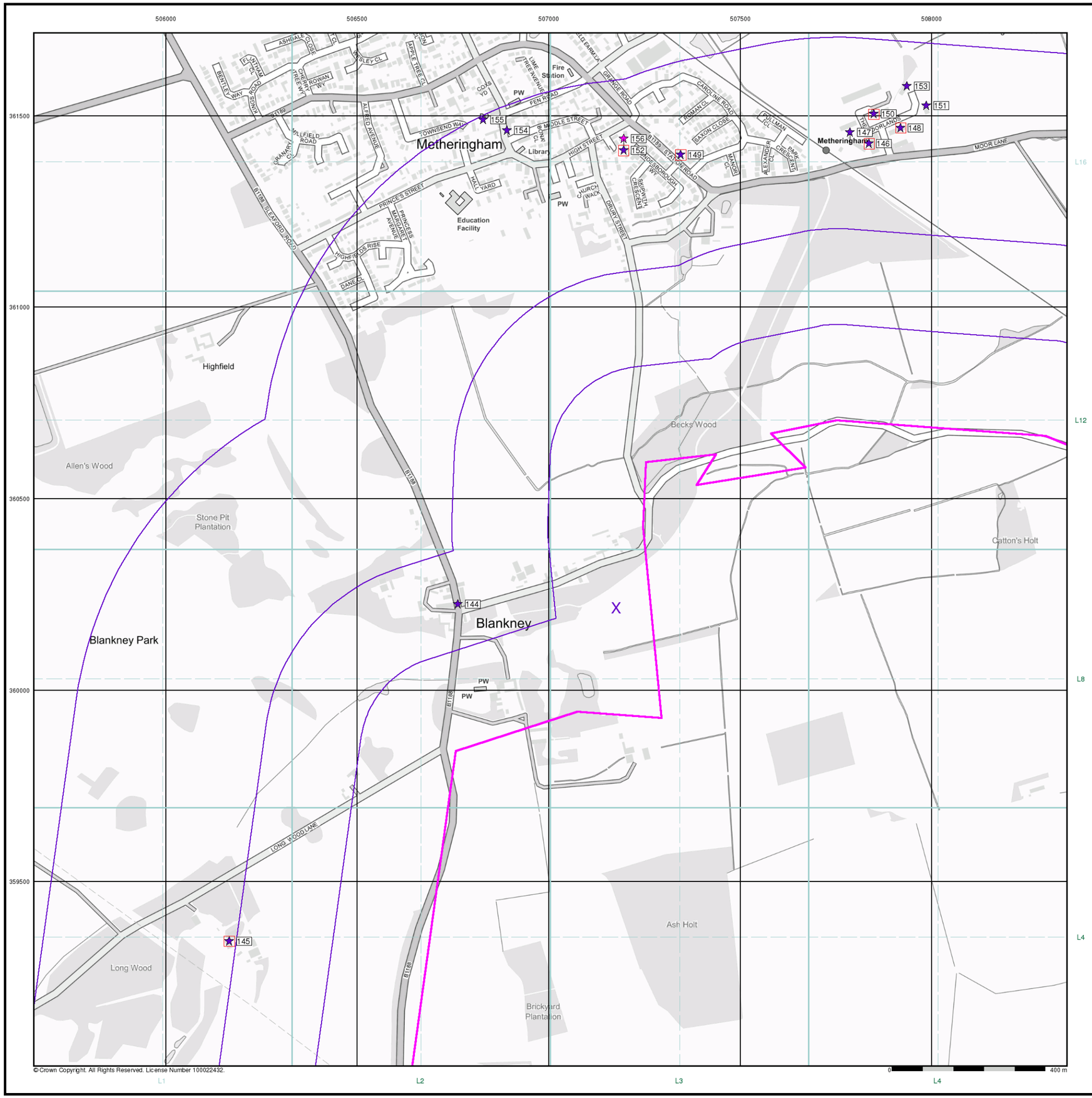


RSK

Industrial Land Use Map

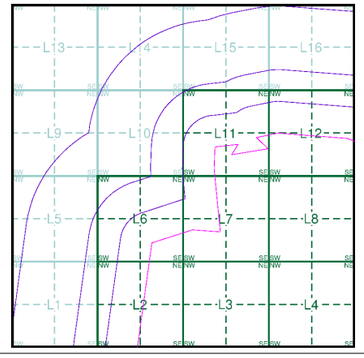
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice L



Order Details

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Slice:	L
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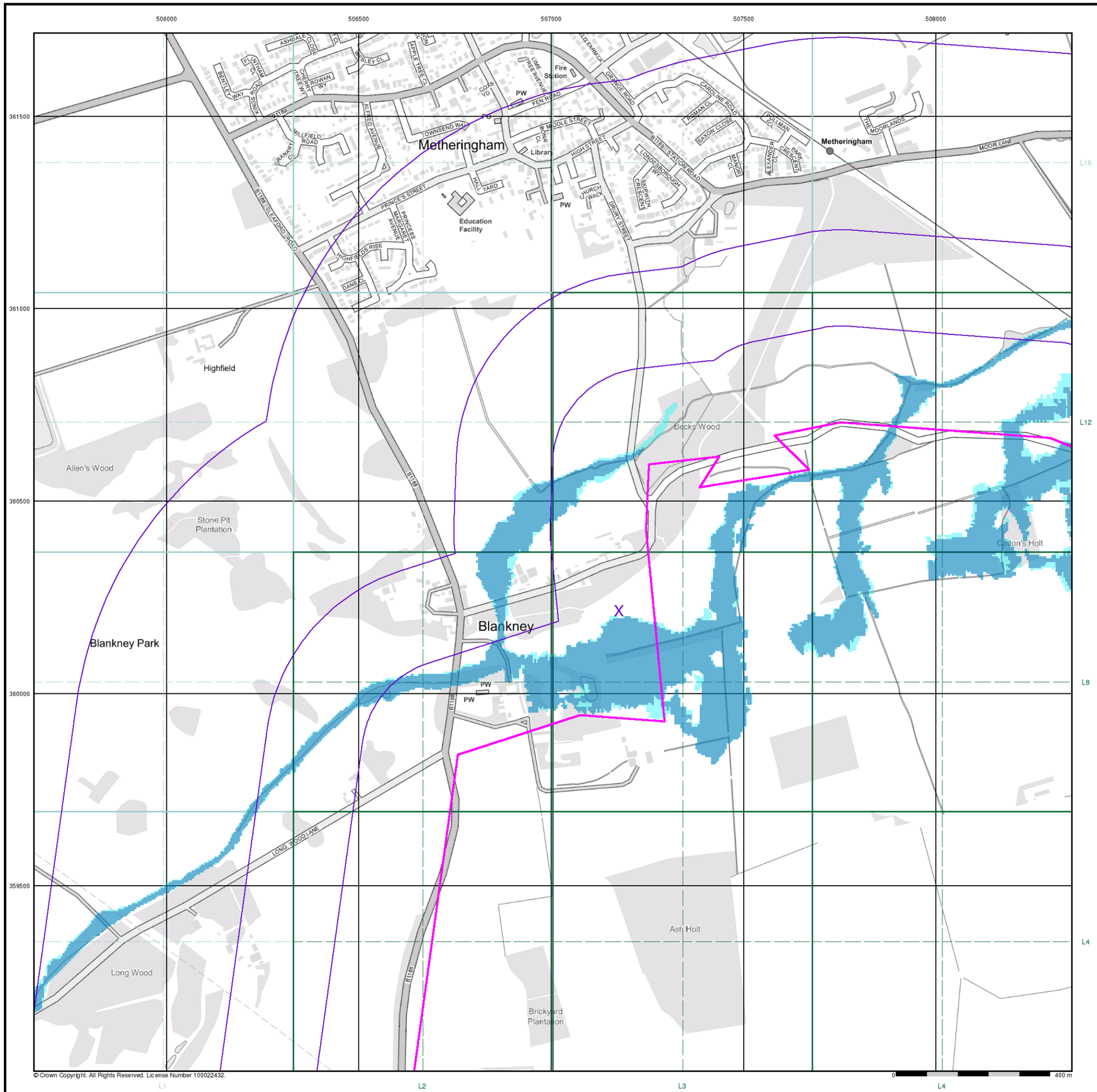


RSK

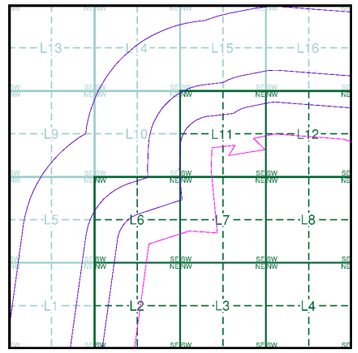
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice L



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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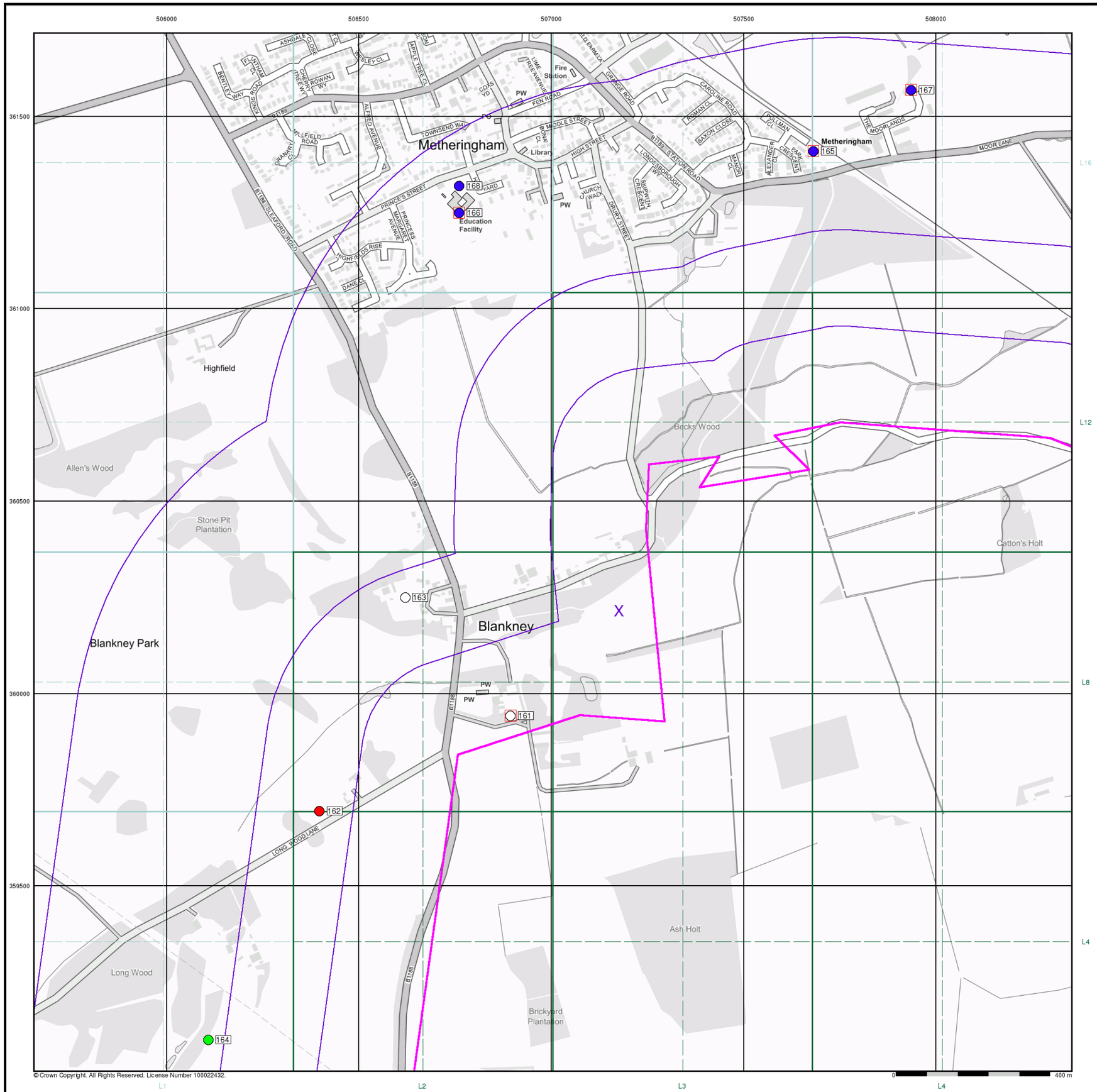


General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

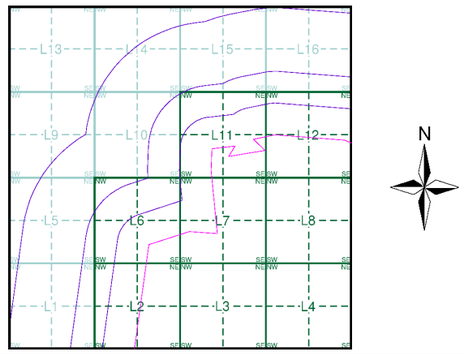
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice L



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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RSK

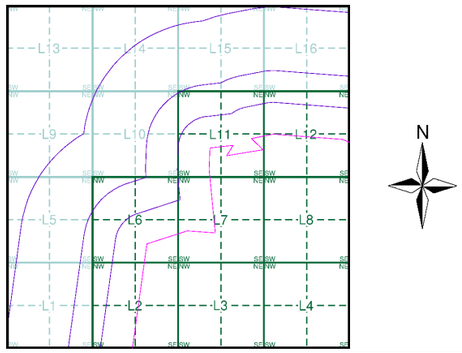
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice L



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Order Number:	303381609_1_1
Customer Ref:	P02130089
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Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

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Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
507180, 360220

Slice:
L

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	3
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	4
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	5
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	8
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	10
Data Suppliers	11
Useful Contacts	12

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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1		1	1	5
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 3	6	1	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground					
General Quarrying	pg 4		1	3	2
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits					
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 4		1	2	2
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 6	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Blankney Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134899 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L11SW (N)	19	1	507230 360405
2	**BGS Recorded Mineral Sites** Site Name: Blankney Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134898 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L10NE (N)	346	1	506954 360768
3	**BGS Recorded Mineral Sites** Site Name: Long Wood Lane Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134887 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L1NE (SW)	508	1	506195 359477
4	**BGS Recorded Mineral Sites** Site Name: Long Wood Lane Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134888 Type: Opencast **Status: Ceased** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L1NE (SW)	556	1	506130 359360
5	**BGS Recorded Mineral Sites** Site Name: Long Wood Quarry Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134897 Type: Opencast **Status: Ceased** Operator: Longwood Quarries Ltd. Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L1SE (SW)	572	1	506100 359255
6	**BGS Recorded Mineral Sites** Site Name: Long Wood Lane Stone Pit Location: Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134889 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L1NE (SW)	638	1	506056 359421

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**BGS Recorded Mineral Sites** Site Name: Blankney Park Stone Pit Location: Blankney Park, Blankney, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 134896 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Jurassic Geology: Lincolnshire Limestone Formation Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	L9SE (W)	945	1	506080 360499
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	L8SW (SE)	0	-	507898 359840
9	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	L4SE (SE)	0	-	508324 359264
10	**Extractive Industries or Potential Excavations from 1950-1980** Use: Ponds First Map Published Date: 1973 Last Map Published Date: N/A	L12SE (E)	0	-	508221 360479
11	**Extractive Industries or Potential Excavations from 1950-1980** Use: Ponds First Map Published Date: 1973 Last Map Published Date: N/A	L12SE (E)	0	-	508207 360464
12	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1973 Last Map Published Date: N/A	L12SE (E)	0	-	508175 360507
13	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	L4NW (SE)	0	-	507940 359660
14	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1973 Last Map Published Date: N/A	L7NW (S)	39	-	507107 360038

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	L11SW (N)	28	-	507220 360415
16	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	L10NE (NW)	364	-	506936 360772
17	**General Quarrying** Use: Not Supplied Date of Mapping: 1891 - 1985	L1NE (SW)	391	-	506205 359419
18	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	L1NE (SW)	450	-	506201 359523
19	**General Quarrying** Use: Not Supplied Date of Mapping: 1891	L1NE (SW)	617	-	506067 359446
20	**General Quarrying** Use: Not Supplied Date of Mapping: 1906 - 1956	L9SE (W)	956	-	506073 360509
21	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1977	L11SW (N)	28	-	507220 360415
22	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1977	L10NE (NW)	364	-	506936 360772
23	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	L1NE (SW)	450	-	506201 359523
24	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1985	L1NE (SW)	617	-	506067 359446
25	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1977	L9SE (W)	956	-	506073 360509

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
26	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
27	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507478 360179
28	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 360000
29	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
30	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L11NE (N)	250	1	507433 360902
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (SE)	0	1	507311 360000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NW (E)	0	1	507222 360224
31	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L7NW (E)	0	1	507222 360224
32	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L7SW (SE)	0	1	507311 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507478 360179
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L11NE (N)	250	1	507433 360902
33	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
34	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507478 360179
35	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 360000
36	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
37	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8NW (E)	0	1	507906 360245

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8SW (E)	0	1	507982 360000
39	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L11NE (N)	250	1	507433 360902
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NW (E)	0	1	507222 360224
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L8SE (E)	0	1	508343 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (SE)	0	1	507311 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L8SW (E)	0	1	507829 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507075 359884
40	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
41	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 360000
42	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
43	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	L11SE (NE)	32	1	507517 360626
44	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L7SW (SE)	0	1	507311 360000
45	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L7NW (E)	0	1	507222 360224
46	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8NE (E)	0	1	508246 360353
47	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8SE (E)	0	1	508343 360000
48	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(E)	120	1	509055 360709
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507478 360179
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(E)	41	1	509039 360355

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L11NE (N)	250	1	507433 360902
49	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L12SW (E)	0	1	507736 360431
50	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	L8SW (E)	0	1	507829 360000
51	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8NE (E)	0	1	508246 360353
52	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	L8SE (E)	0	1	508343 360000
53	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	L12SW (NE)	0	1	507862 360650
54	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	L7NW (E)	0	1	507222 360224
55	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	L7SW (SE)	0	1	507311 360000
56	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(NE)	41	1	508724 361242
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7SW (S)	0	1	507177 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L8NW (E)	0	1	507906 360245
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NW (SW)	0	1	507177 360215
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L7NE (E)	0	1	507478 360179
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	505000 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L8SW (E)	0	1	507982 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	L11NE (N)	250	1	507433 360902

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0660	1973
Ordnance Survey Plan	TF0760	1973
Ordnance Survey Plan	TF0760	1973
Ordnance Survey Plan	TF0760	1973
Ordnance Survey Plan	TF0760	1973
Ordnance Survey Plan	TF0760	1973
Ordnance Survey Plan	TF0761	1973
Ordnance Survey Plan	TF0761	1973
Ordnance Survey Plan	TF0860	1973
Ordnance Survey Plan	TF0860	1973
Ordnance Survey Plan	TF0861	1973
Ordnance Survey Plan	TF0659	1979
Ordnance Survey Plan	TF0659	1979
Ordnance Survey Plan	TF0759	1979
Ordnance Survey Plan	TF0759	1979
Ordnance Survey Plan	TF0759	1979
Ordnance Survey Plan	TF0759	1979
Ordnance Survey Plan	TF0759	1979
Ordnance Survey Plan	TF0759	1979
Ordnance Survey Plan	TF0859	1979
Ordnance Survey Plan	TF0859	1979

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	079_SE	1890
Lincolnshire	079_SW	1891
Lincolnshire	087_NE	1891
Lincolnshire	087_NW	1891
Lincolnshire	079_SW	1906
Lincolnshire	087_NE	1906
Lincolnshire	087_NW	1906
Lincolnshire	079_SE	1907
Lincolnshire	087_NE	1947
Lincolnshire	087_NW	1947
Lincolnshire	079_SE	1950
Lincolnshire	079_SW	1950
Ordnance Survey Plan	TF05NE	1956
Ordnance Survey Plan	TF06SE	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF06SE	1977
Ordnance Survey Plan	TF05NE	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

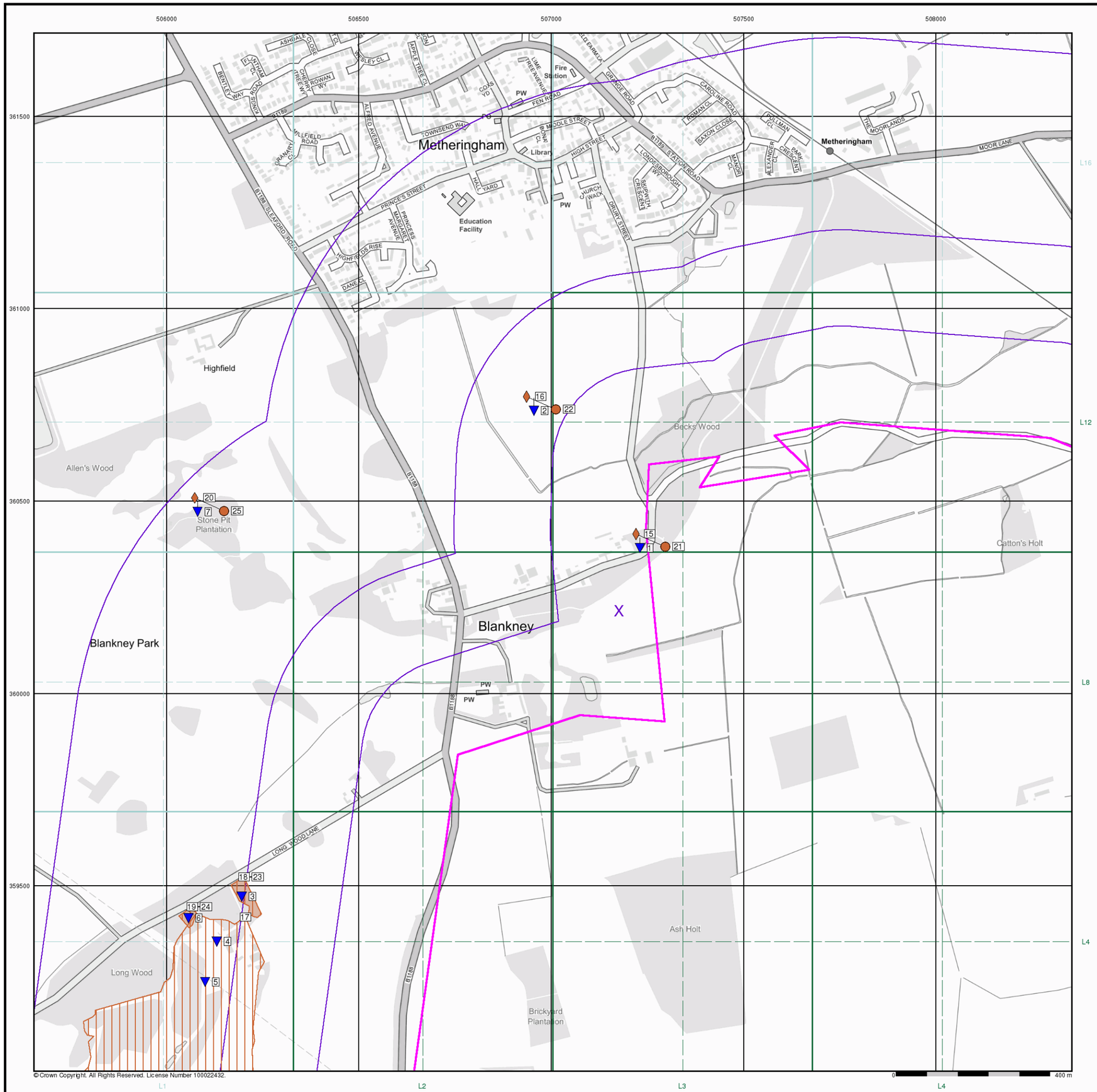
Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
British Geological Survey	
The Coal Authority	
Ove Arup	
Stantec UK Ltd	
Wardell Armstrong	
Johnson Poole & Bloomer	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

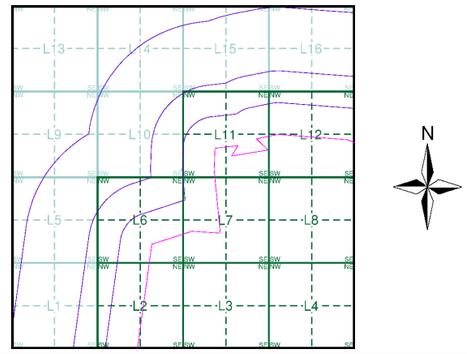
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice L



Order Details

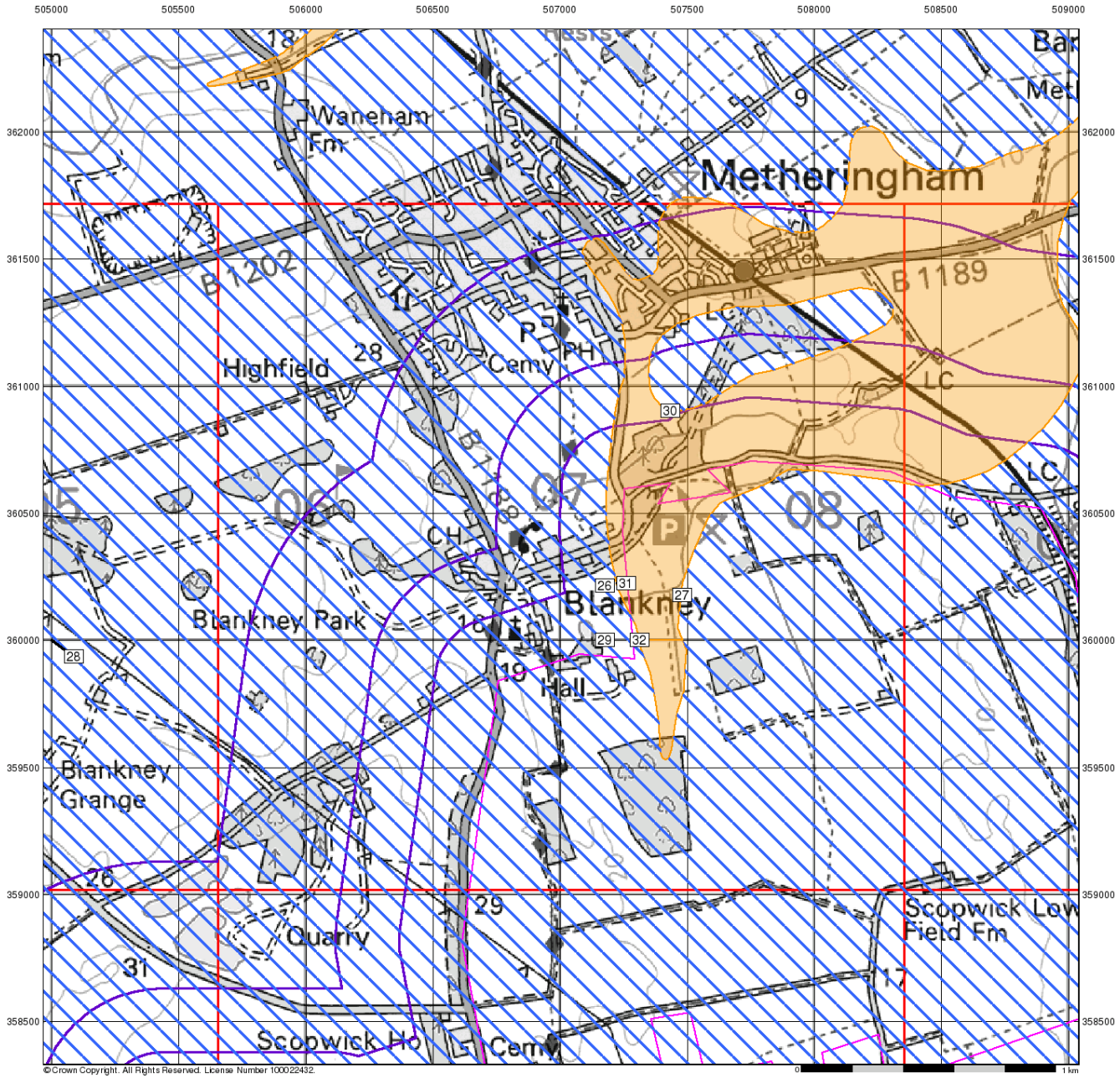
Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

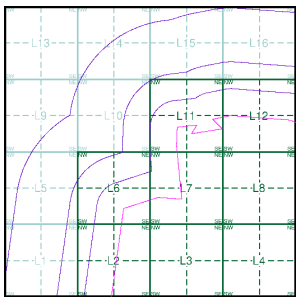
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice L



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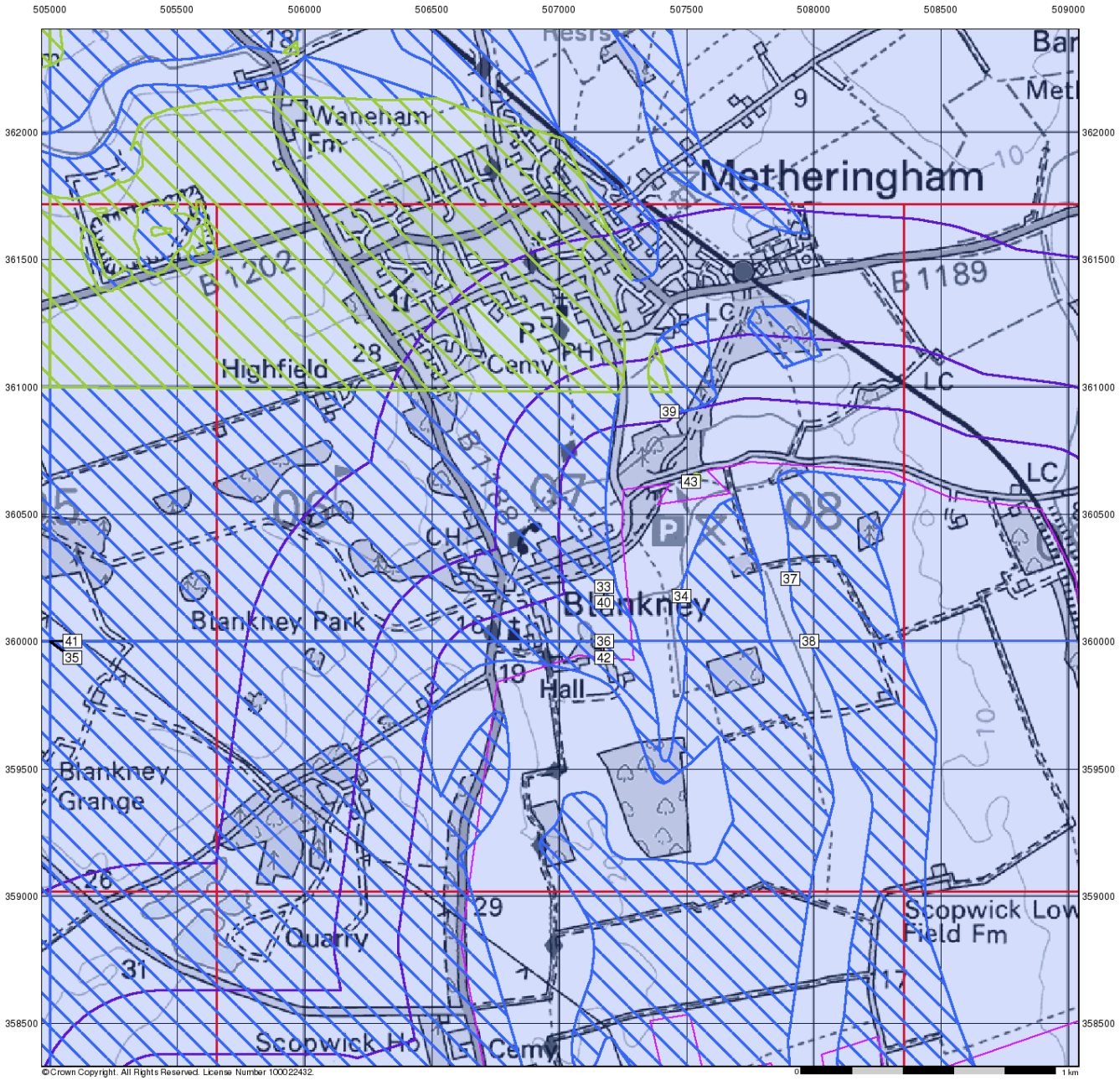

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

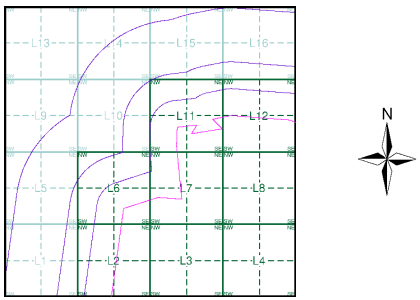
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice L



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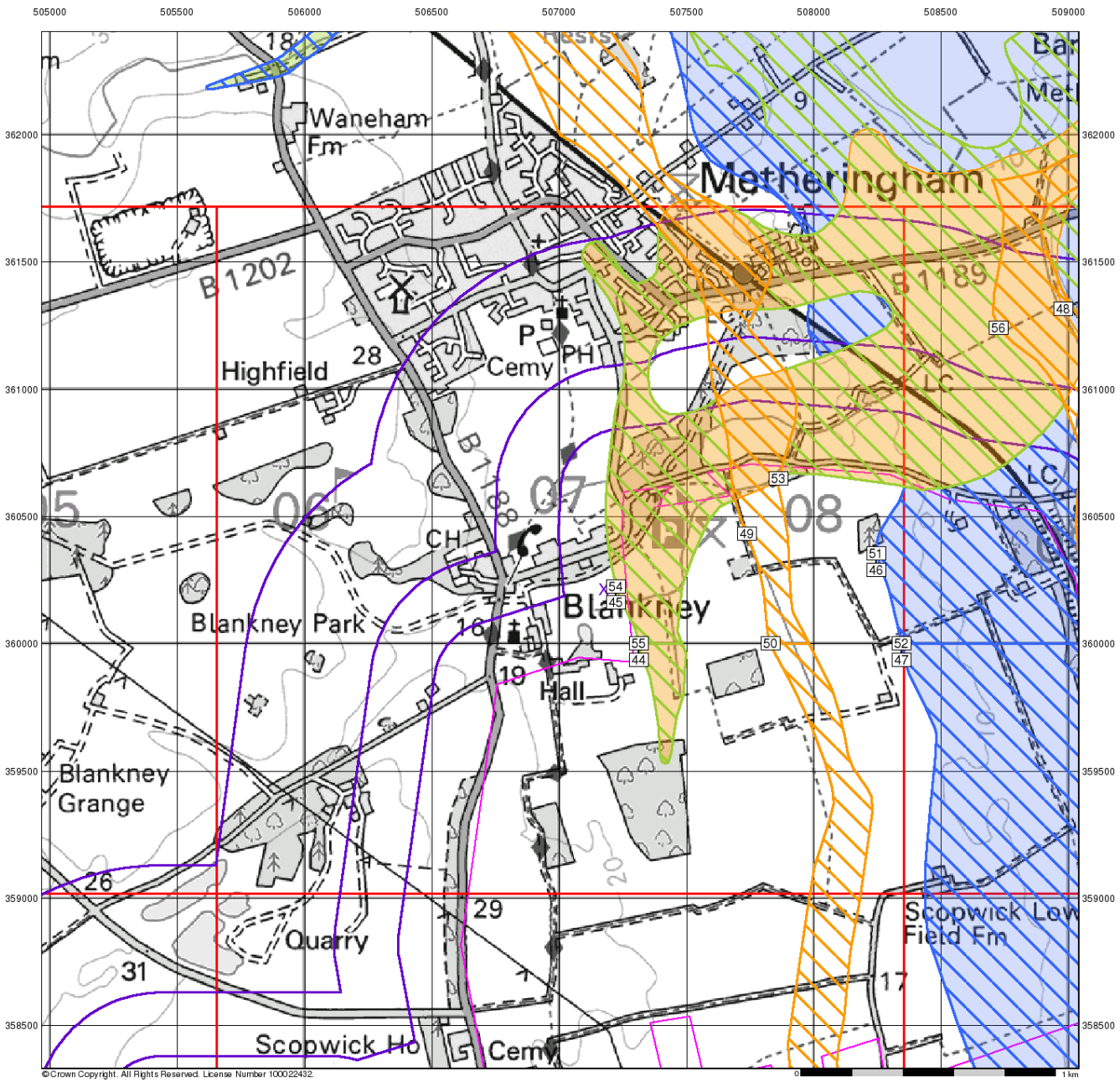

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

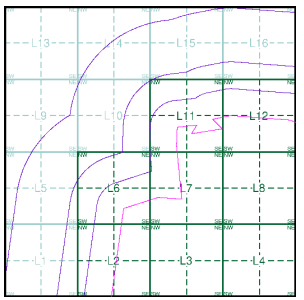
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice L



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All Areas New

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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

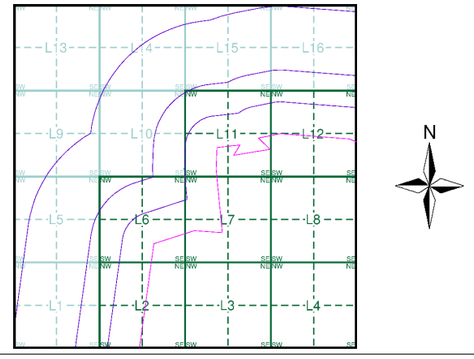
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906 - 1907	3
Lincolnshire	1:10,560	1947 - 1950	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1977	6
Ordnance Survey Plan	1:10,000	1985	7
10K Raster Mapping	1:10,000	2000	8
Street View	Variable		9

Historical Map - Slice L



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 507180, 360220
Slice: L
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

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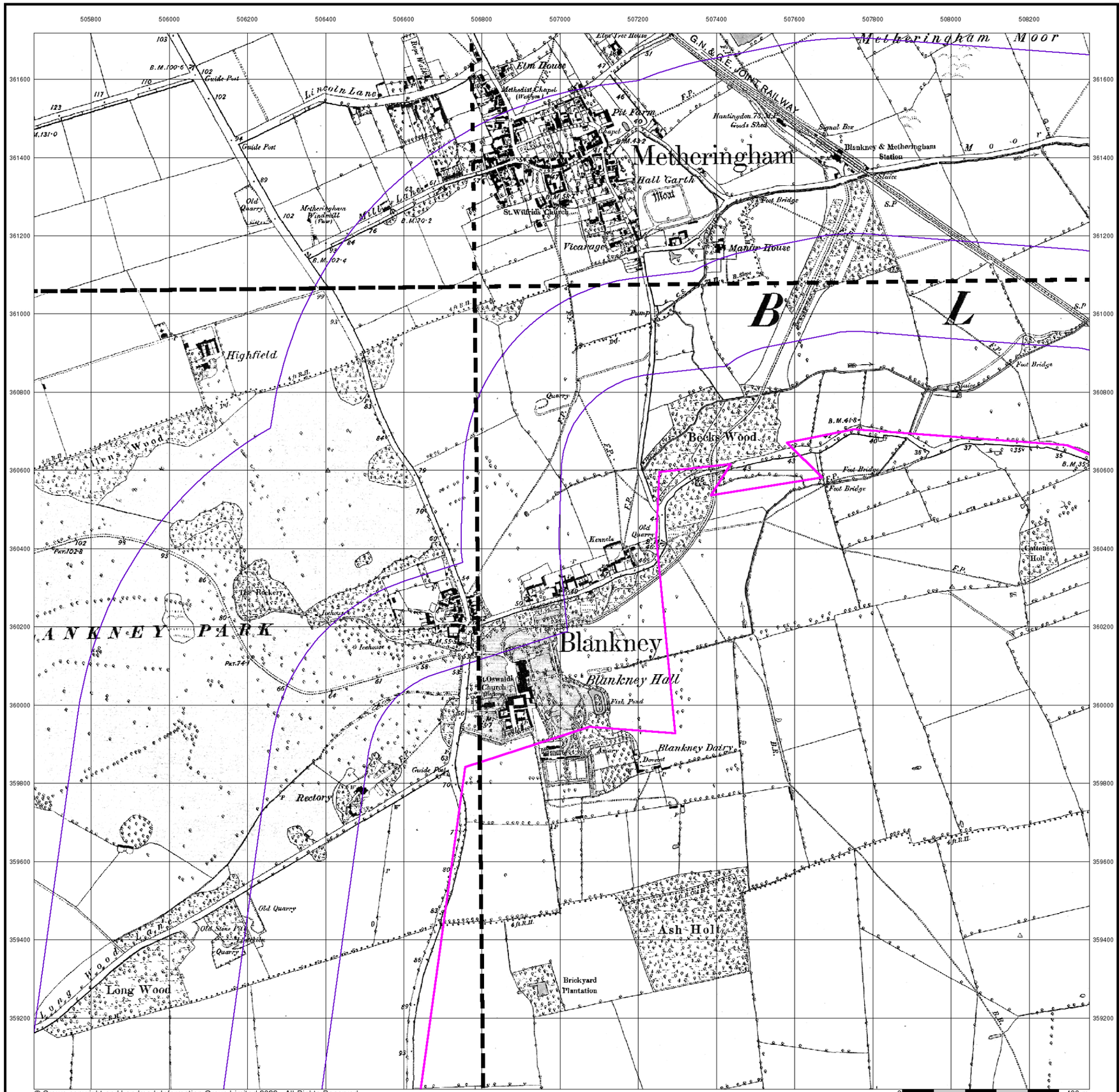
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1887

Source map scale - 1:10,560

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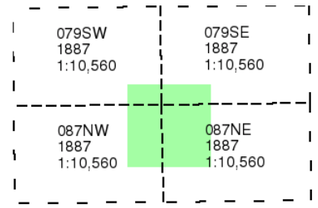
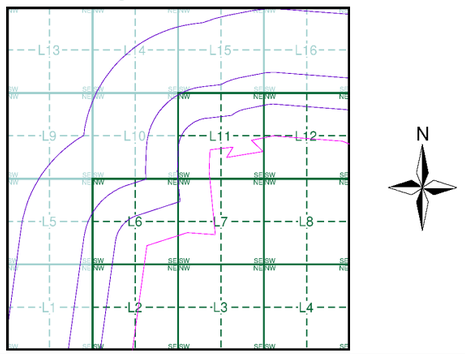
Map Name(s) and Date(s)



Historical Map - Slice L



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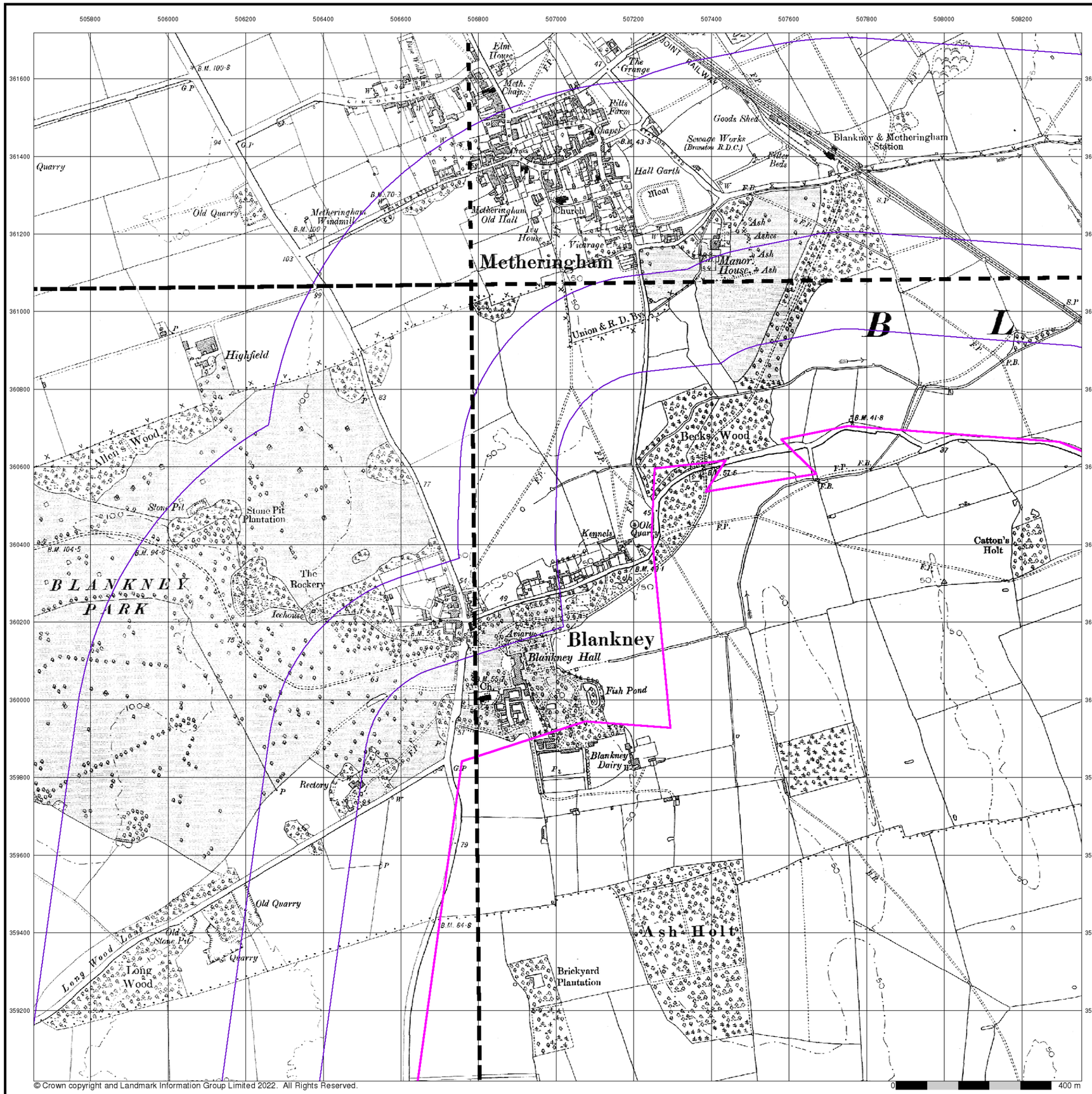

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Lincolnshire

Published 1906 - 1907

Source map scale - 1:10,560

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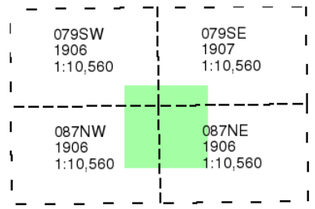
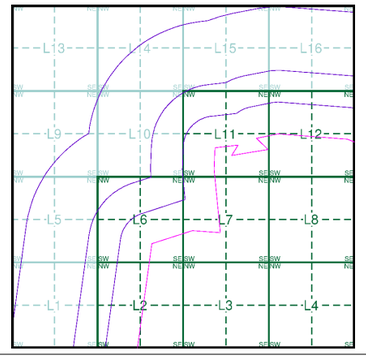
Map Name(s) and Date(s)



Historical Map - Slice L



Order Details

Order Number:	303381609_1_1
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Site Details

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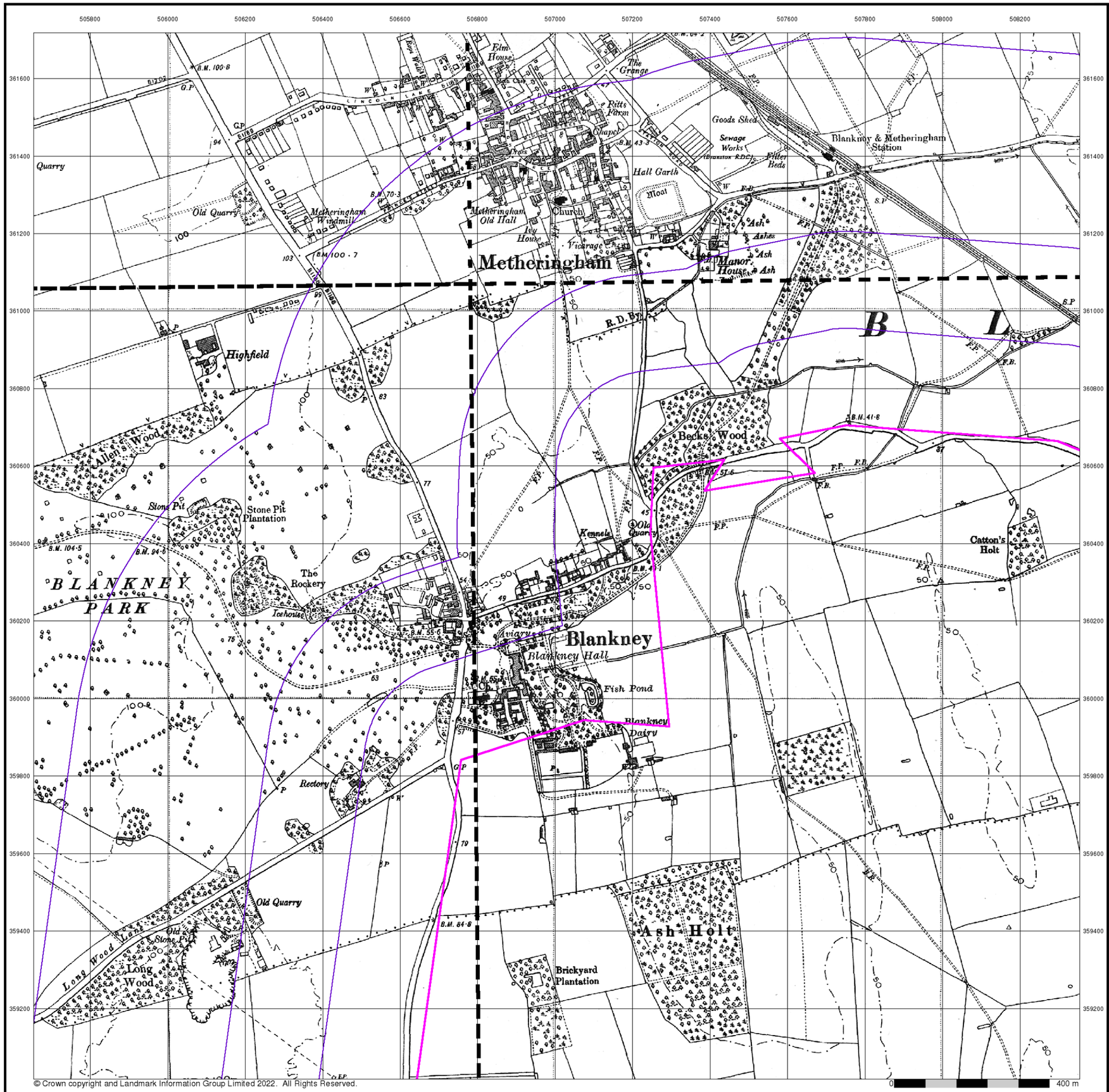

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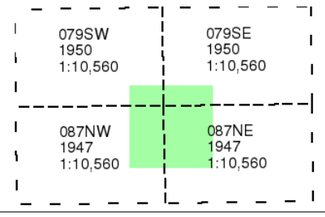
Lincolnshire

Published 1947 - 1950

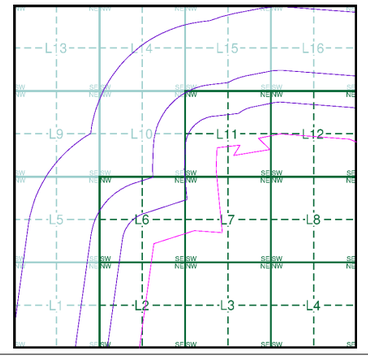
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice L



Order Details

Order Number:	303381609_1_1
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National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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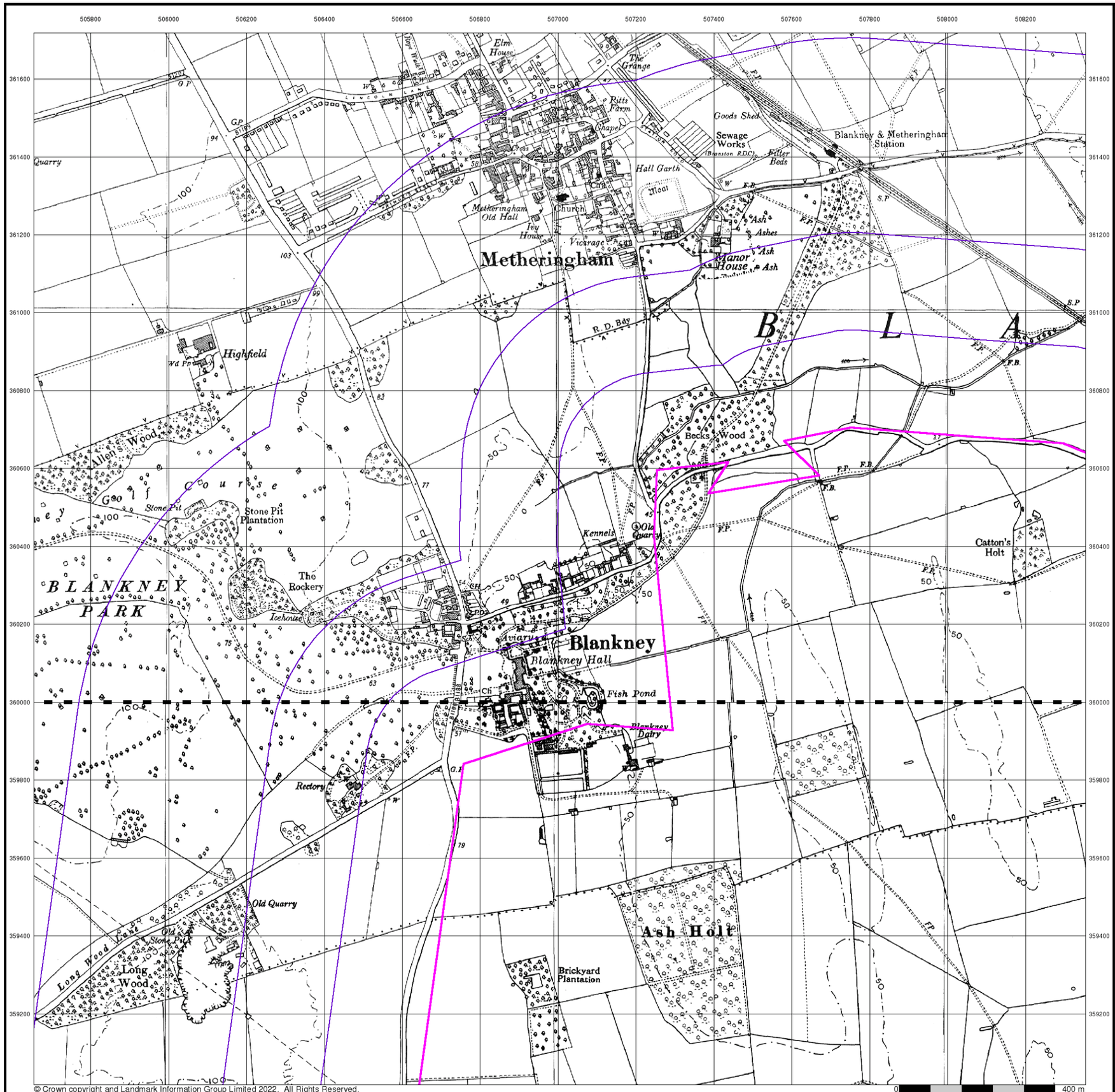
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361200
361000
360800
360600
360400
360200
360000
359800
359600
359400
359200
Metheringham
Blankney
BLANKNEY PARK
Blankney Hall
Metheringham Old Hall
Church
Vicarage
Hall Garth
Moat
Manor House
Elm House
The Grange
Ritts Farm
Chapel
Goods Shed
Sewage Works
(Branston R.D.C.)
Filter Beds
Blankney & Metheringham Station
Highfield
Allen's Wood
Golf Course
Stone Pit
Stone Pit Plantation
The Rockery
Icehouse
Kennels
Old Quarry
Catton's Holt
Becks Wood
Ash Holt
Brickyard Plantation
Fish Pond
Blankney Dairy
Rectory
Long Wood
Long Wood Lane
Old Stone Pit
Quarry
R. D. Bdy
B L A
Ash
Ashes
Ash
Ash
Ash



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Ordnance Survey Plan

Published 1977

Source map scale - 1:10,000

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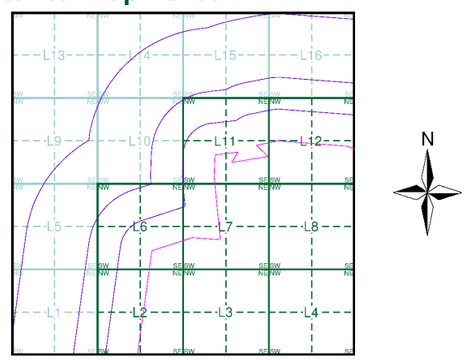
Map Name(s) and Date(s)

TF06SE
1977
1:10,000

Historical Map - Slice L



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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Ordnance Survey Plan

Published 1985

Source map scale - 1:10,000

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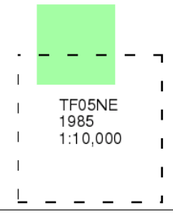
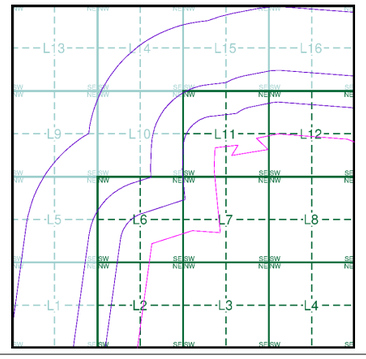
Map Name(s) and Date(s)



Historical Map - Slice L



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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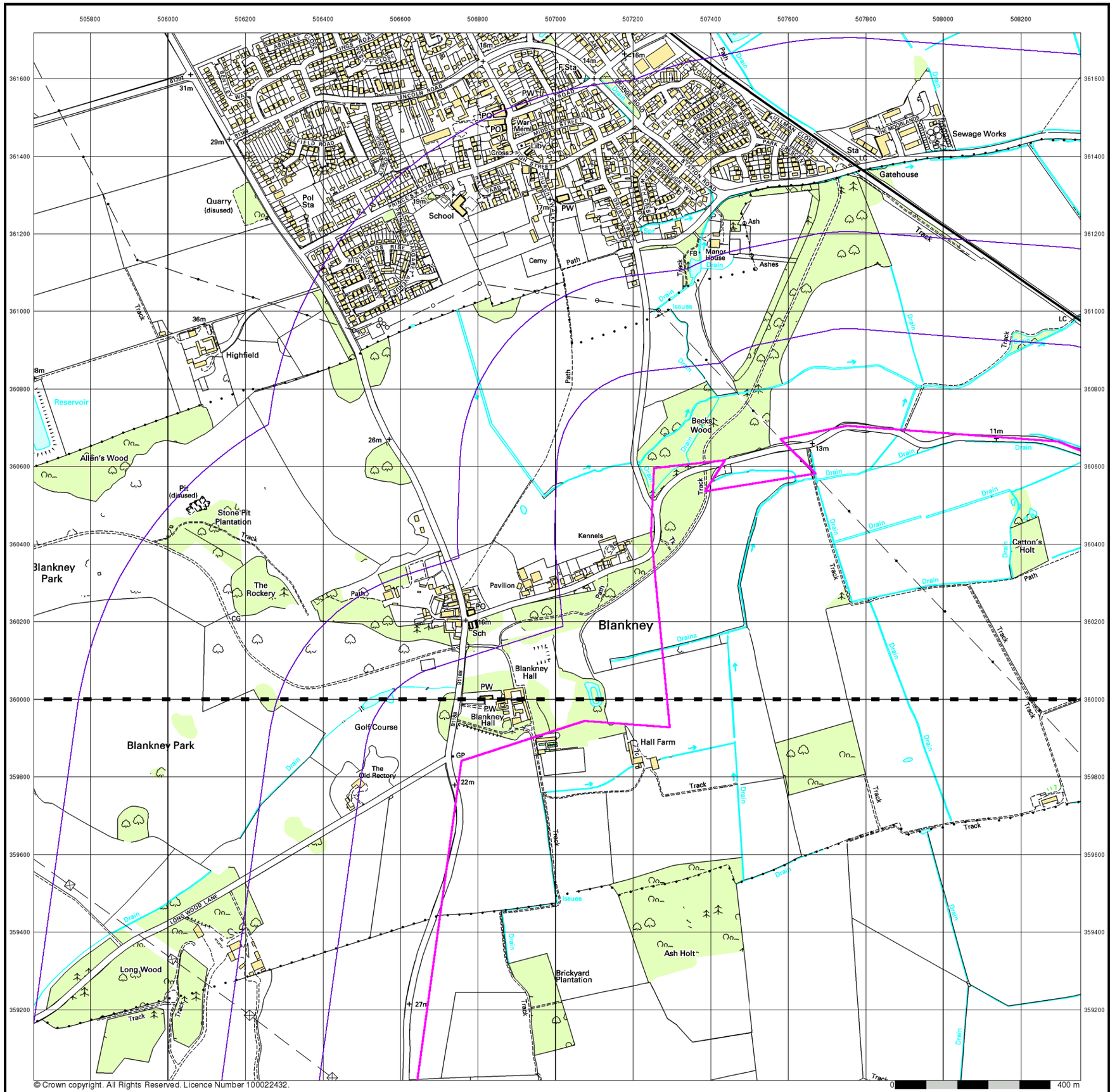
Web: www.envirocheck.co.uk



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10k Raster Mapping

Published 2000

Source map scale - 1:10,000

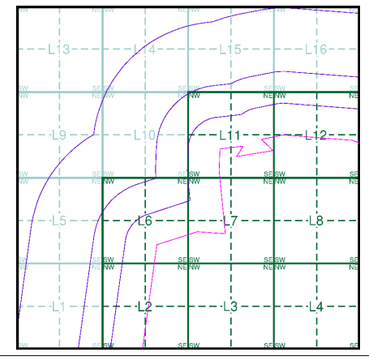
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TF06SE
2000
1:10,000

TF05NE
2000
1:10,000

Historical Map - Slice L



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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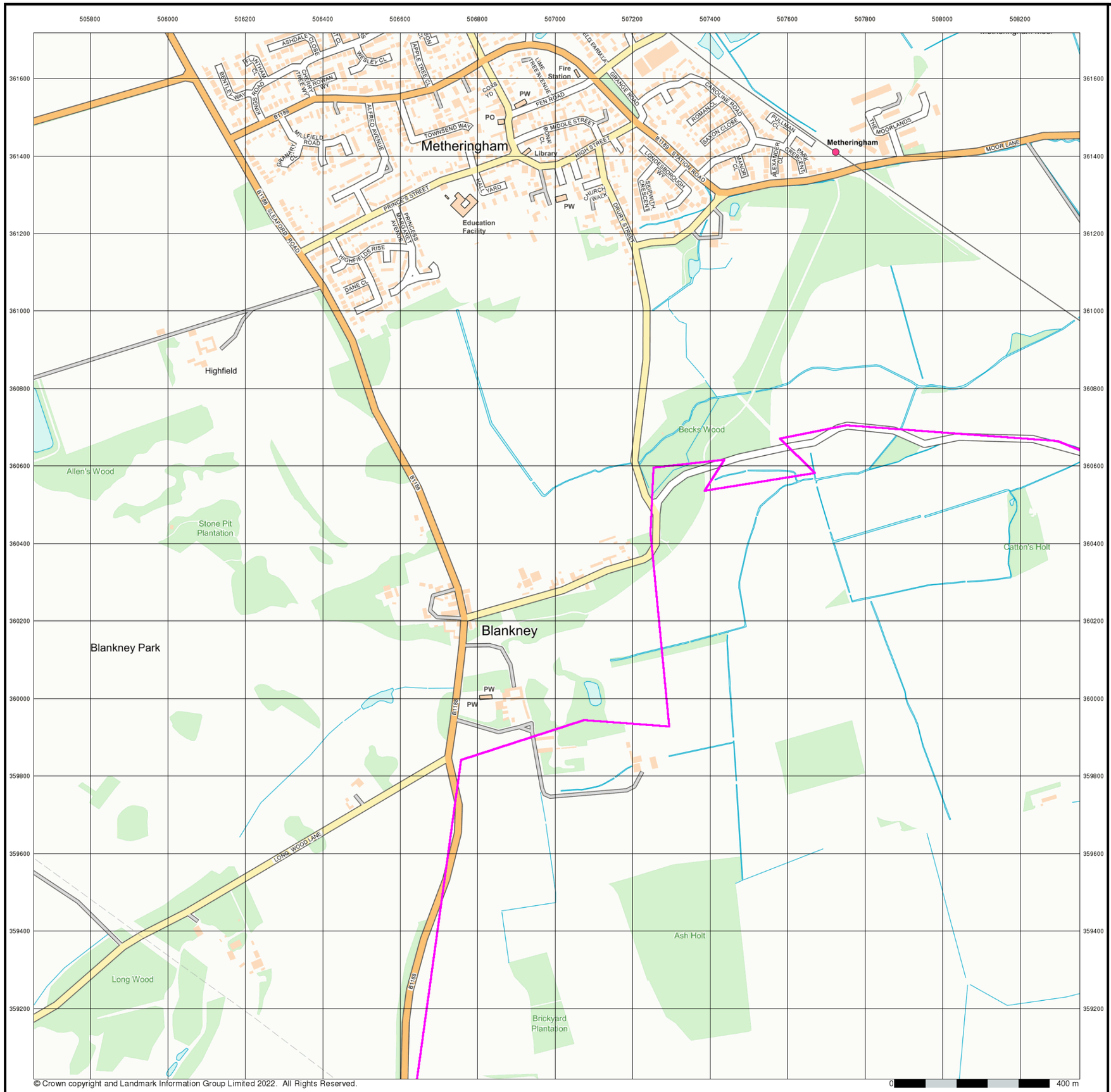
Web: www.envirocheck.co.uk



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Street View

Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice L

Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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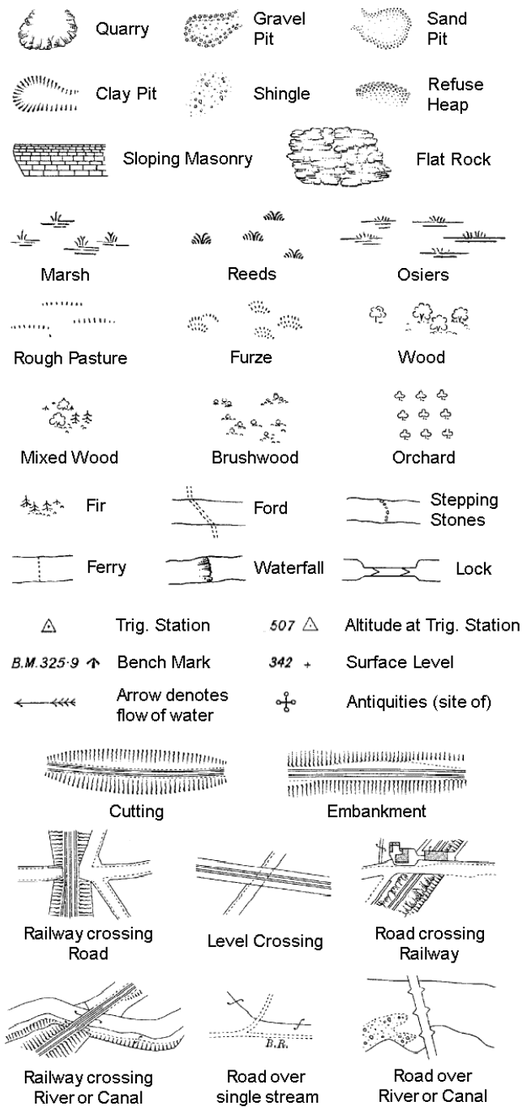
Historical Mapping Legends

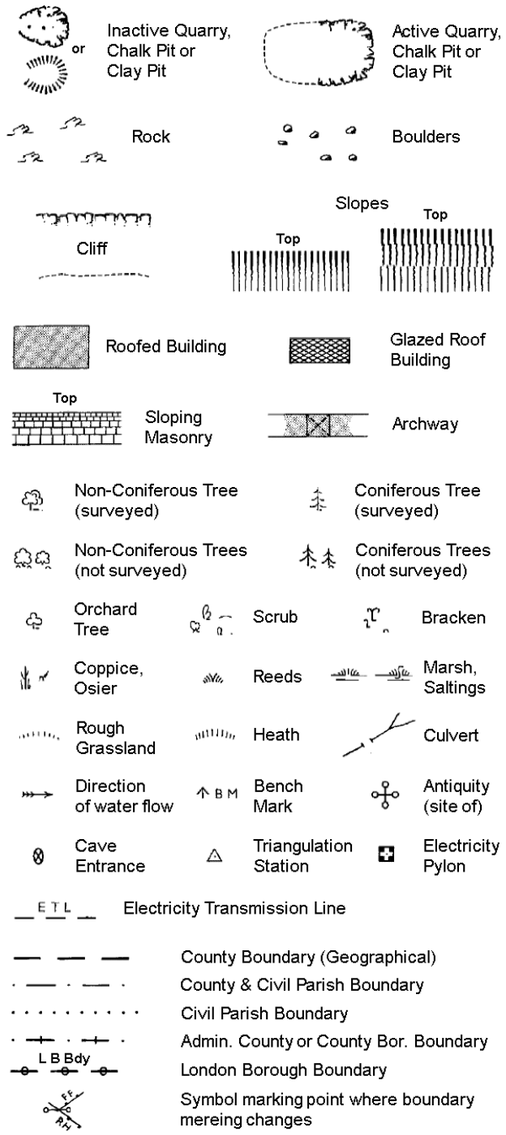
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

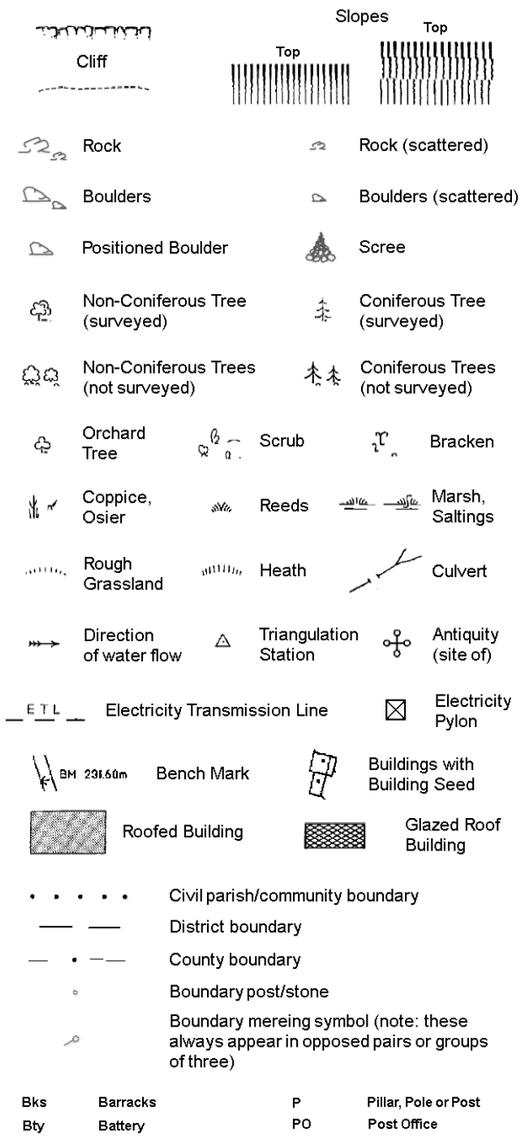
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

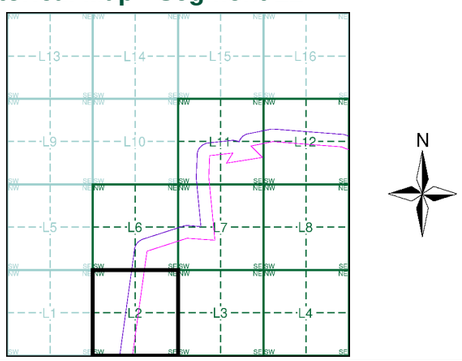
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment L2



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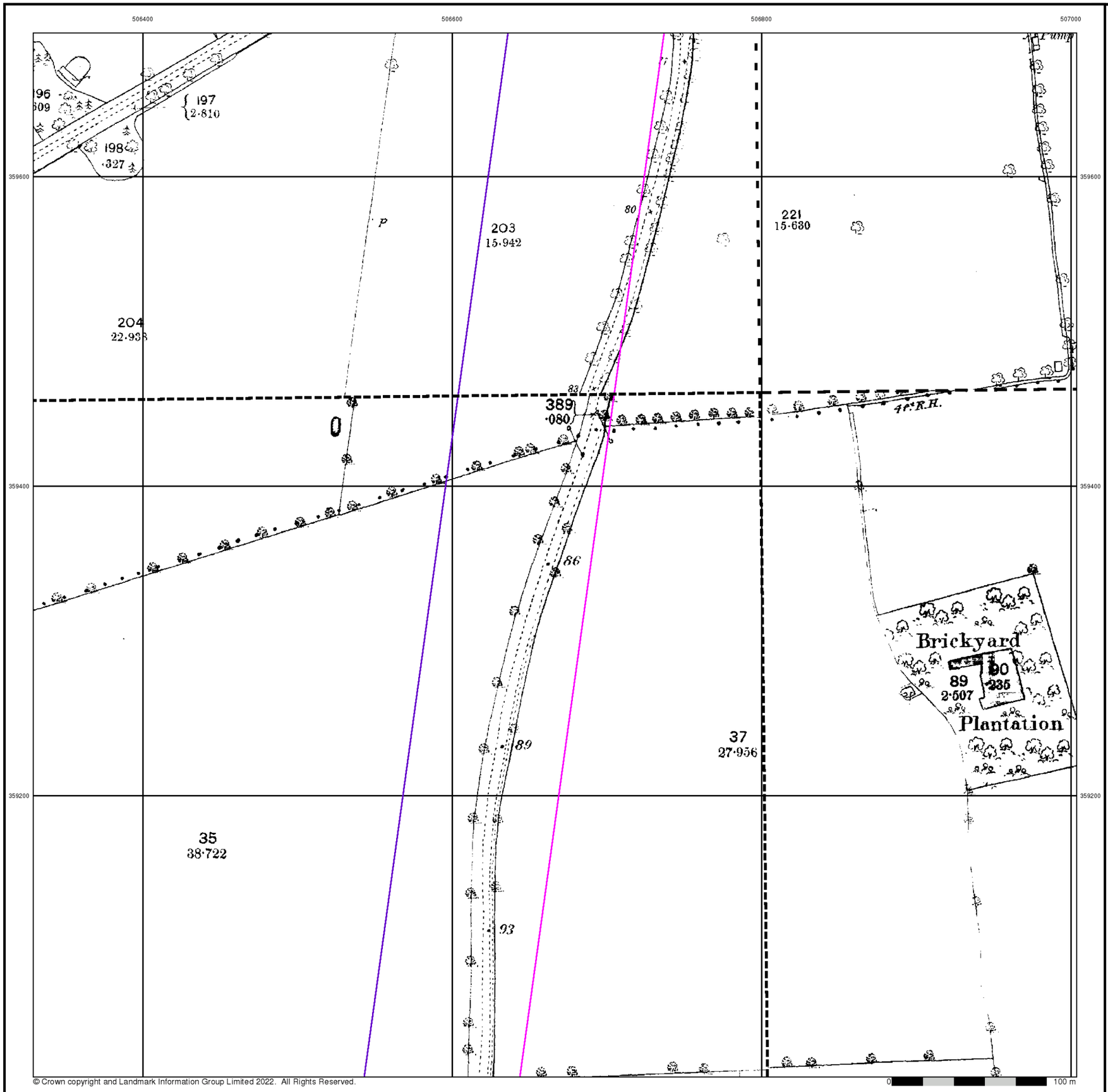
National Grid Reference: 507180, 360220
Slice: L
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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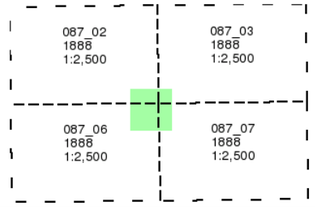
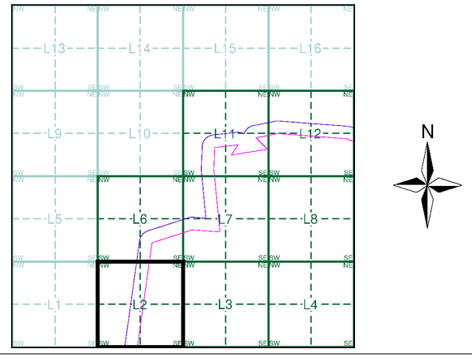


Historical Map - Segment L2



Order Details

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Customer Ref:	P02130089
National Grid Reference:	507180, 360220
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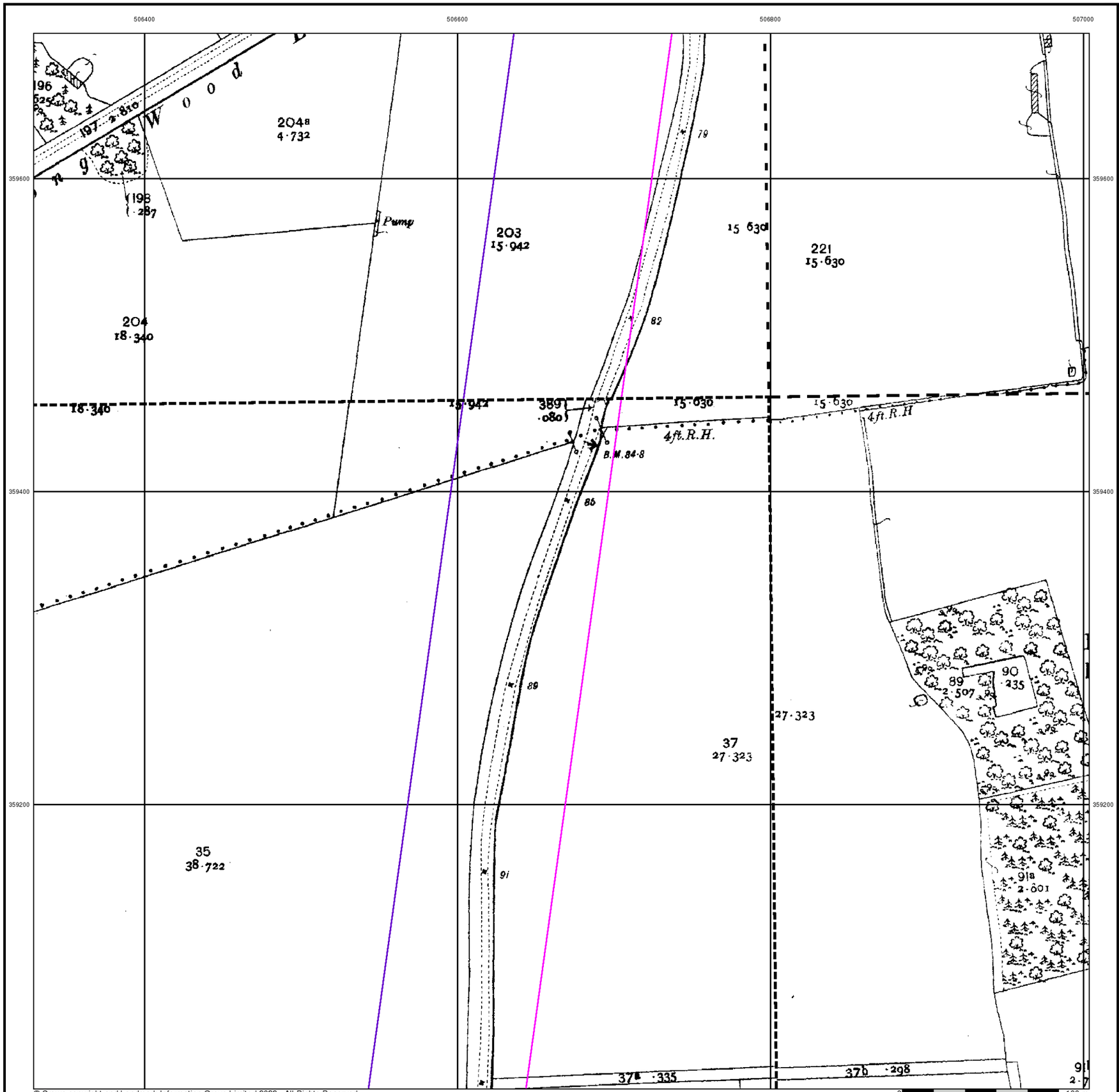

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Lincolnshire

Published 1905

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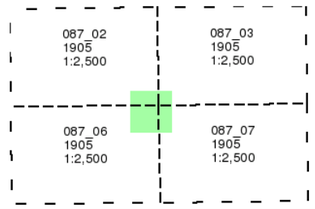
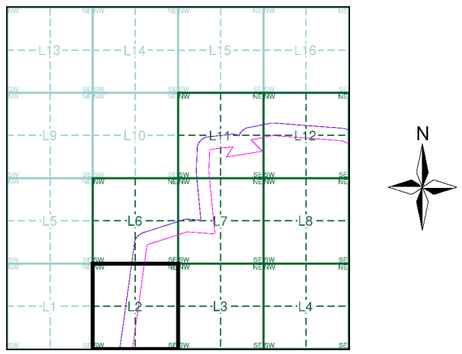


Historical Map - Segment L2



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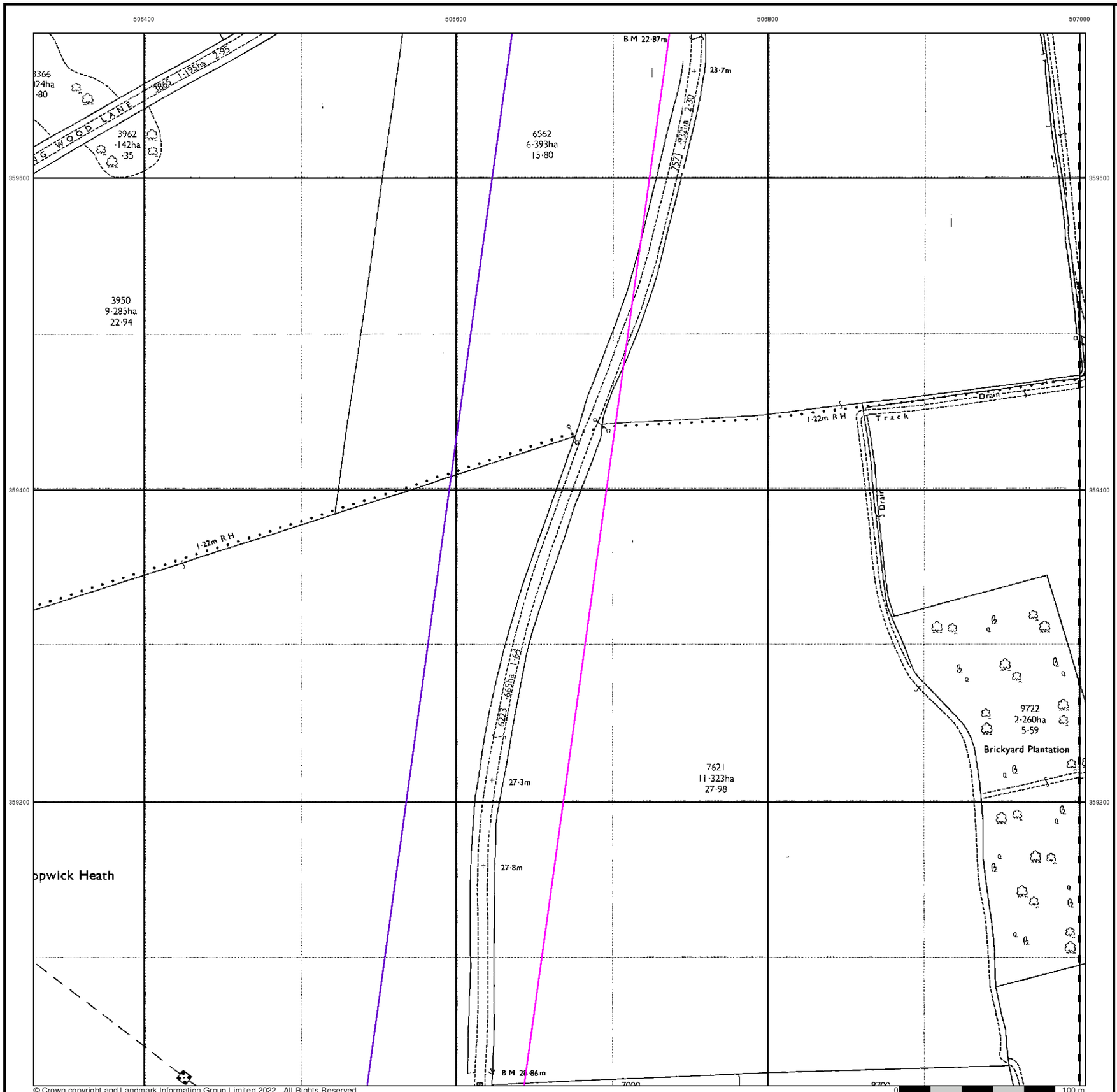

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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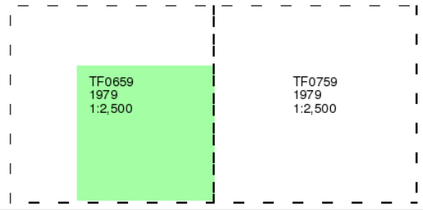
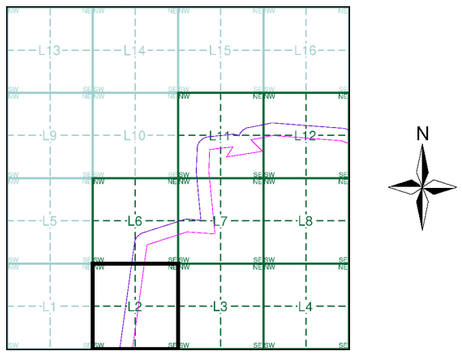


Historical Map - Segment L2



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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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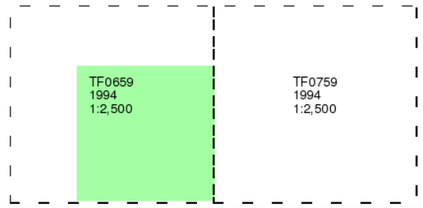
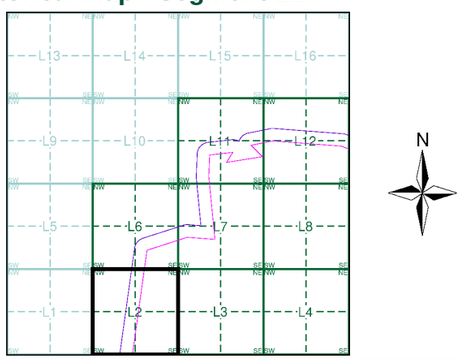


Historical Map - Segment L2



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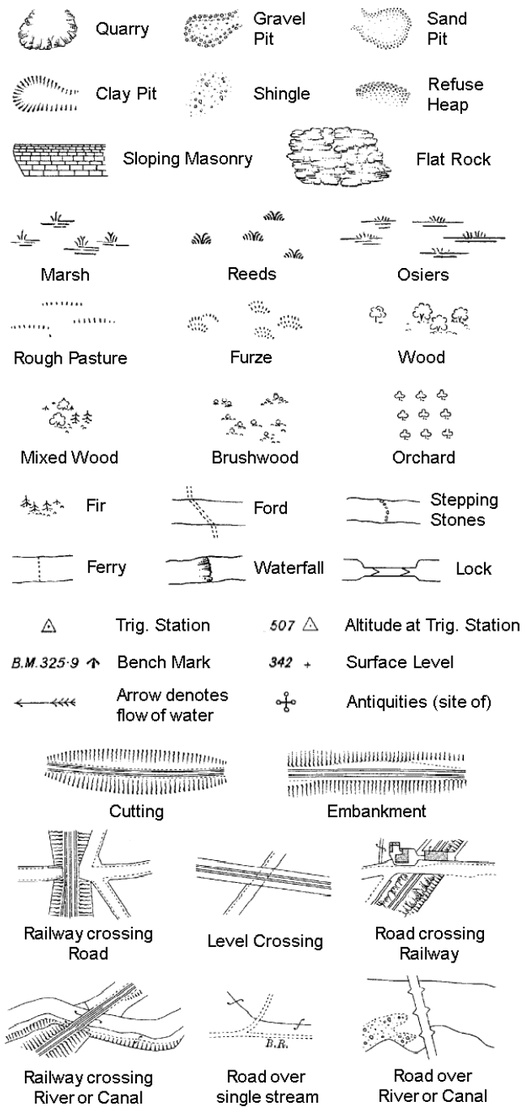
Historical Mapping Legends

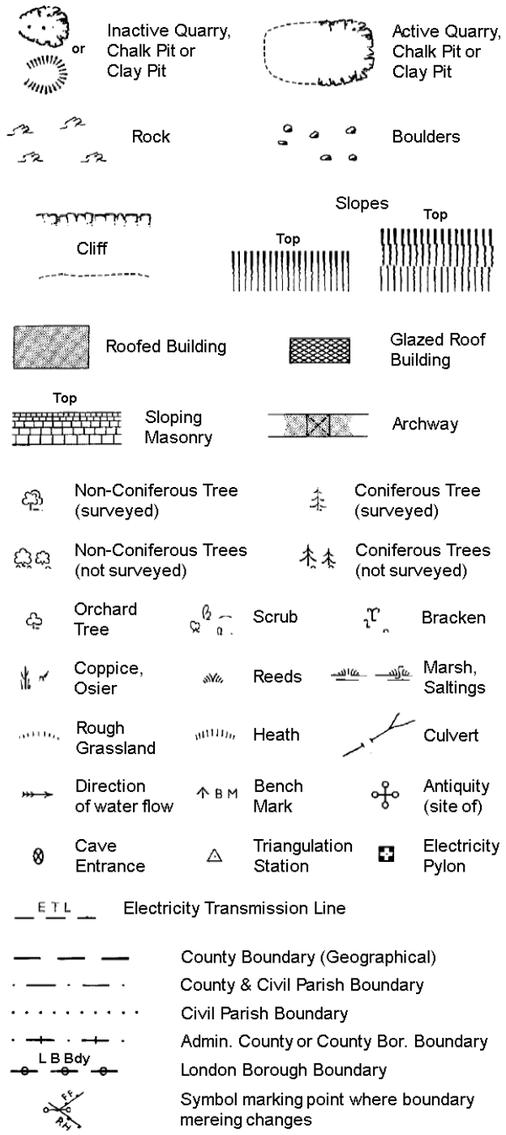
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

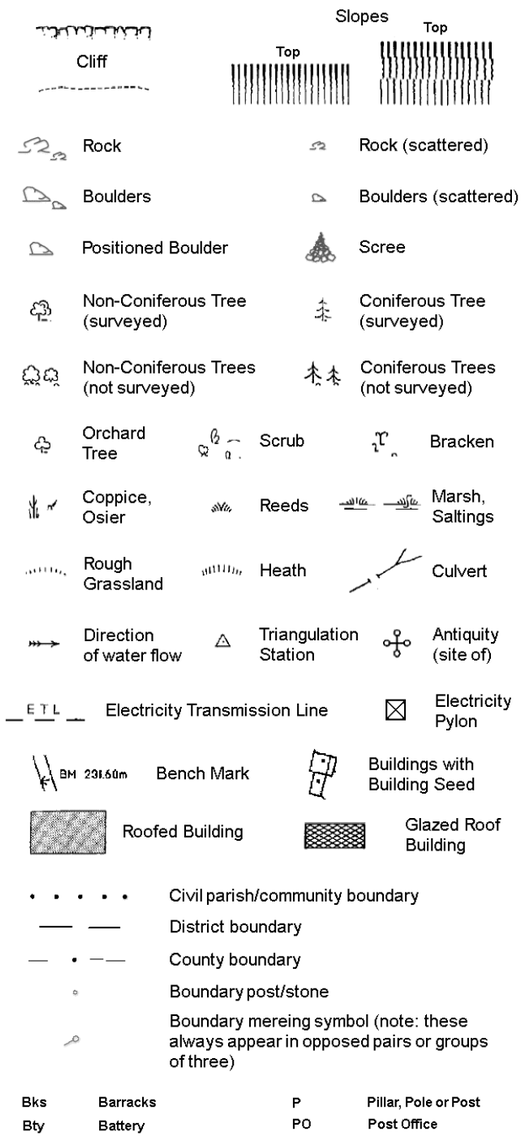
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

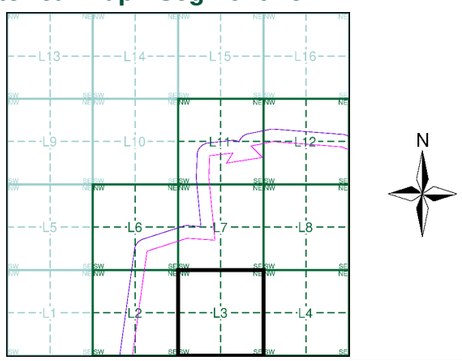
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment L3



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 507180, 360220
Slice: L
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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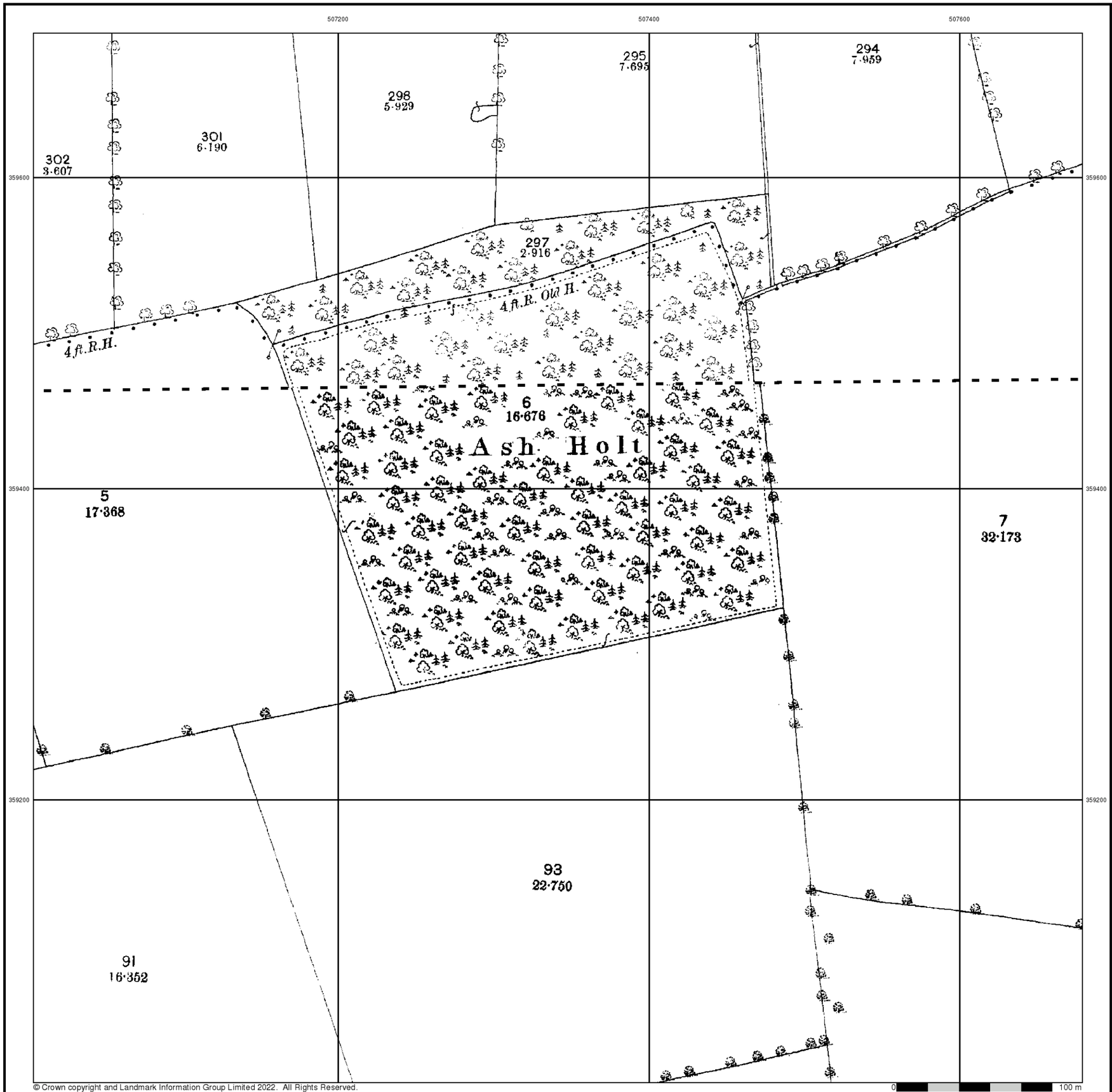

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Lincolnshire

Published 1888

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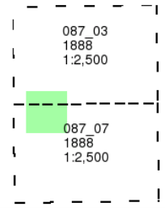
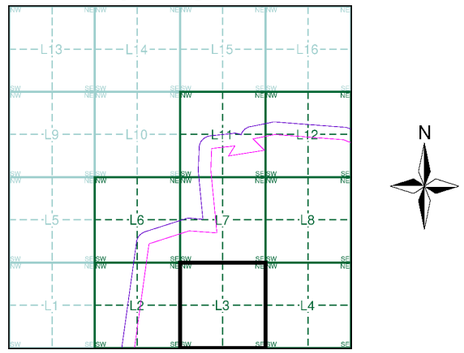


Historical Map - Segment L3



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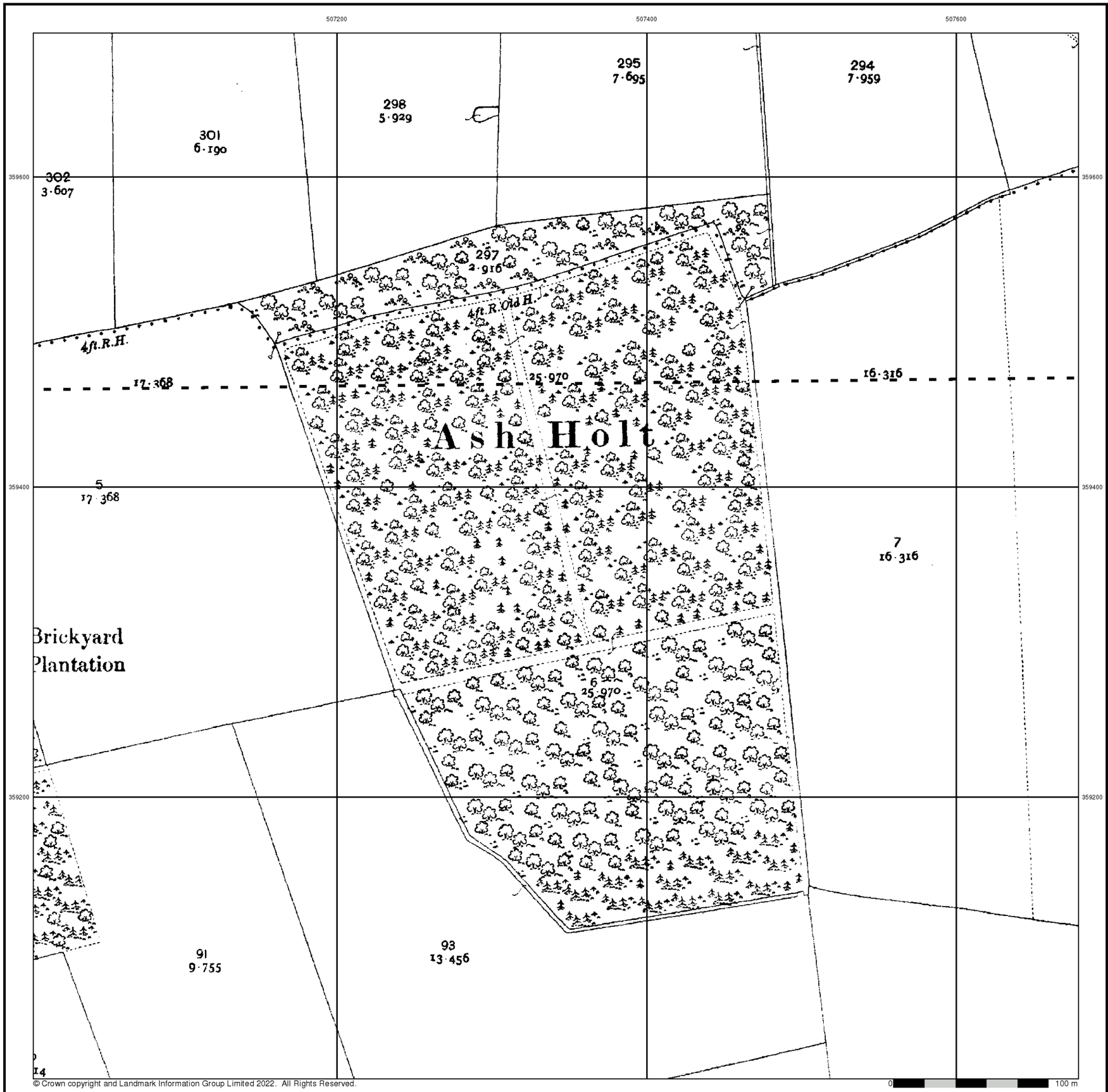

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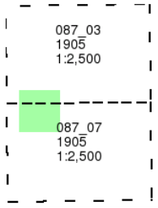
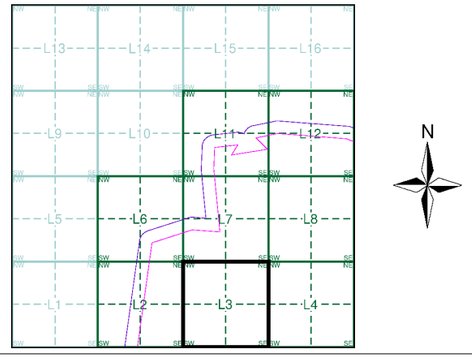


Historical Map - Segment L3



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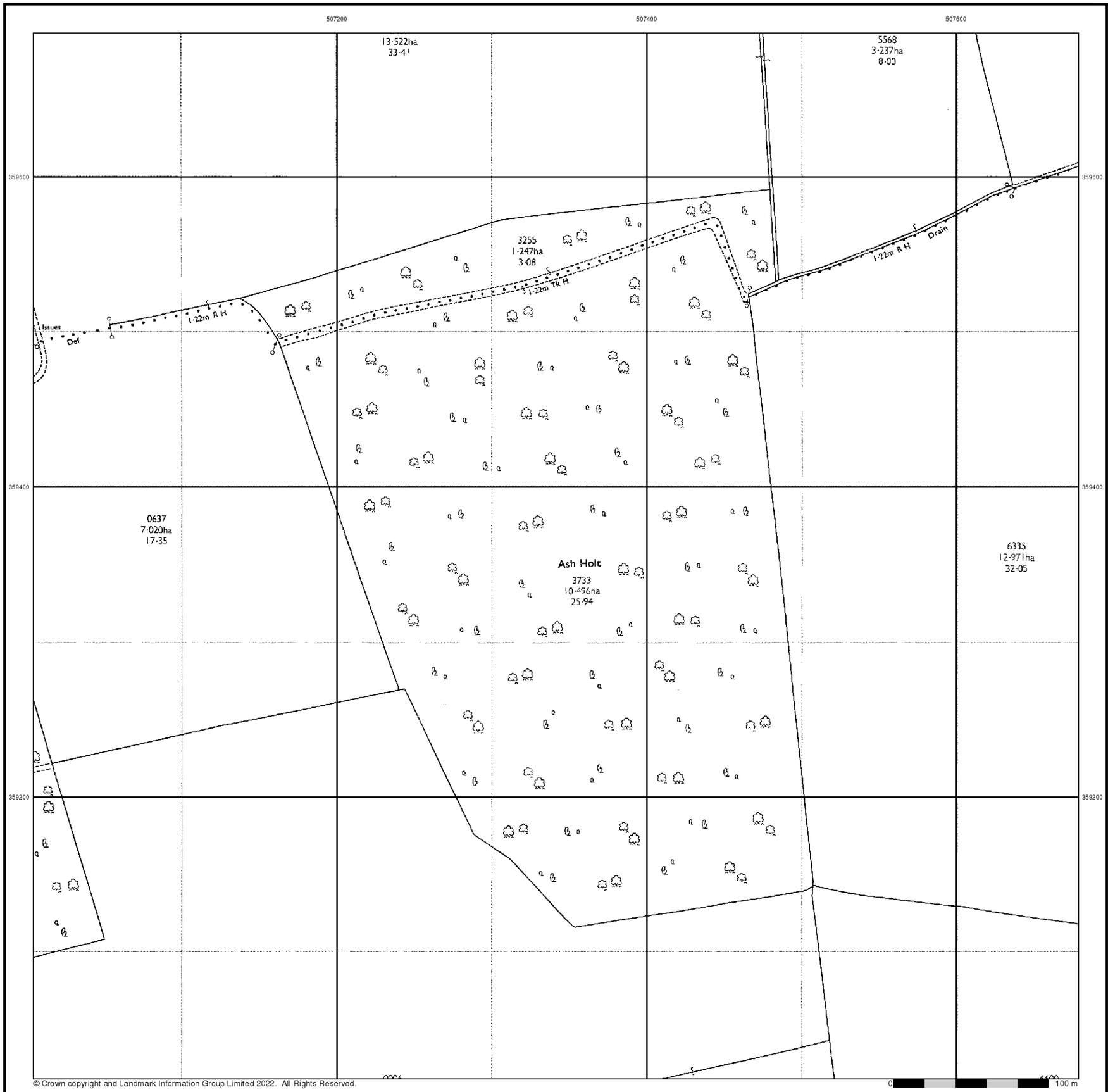

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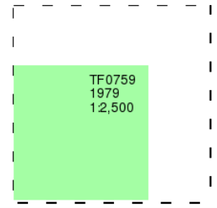
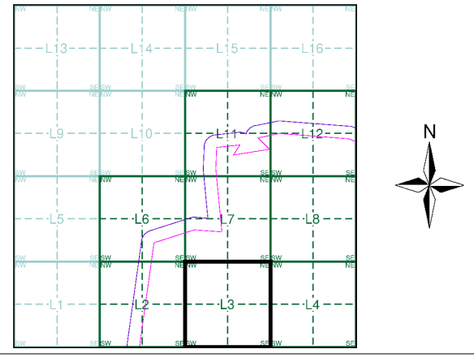


Historical Map - Segment L3



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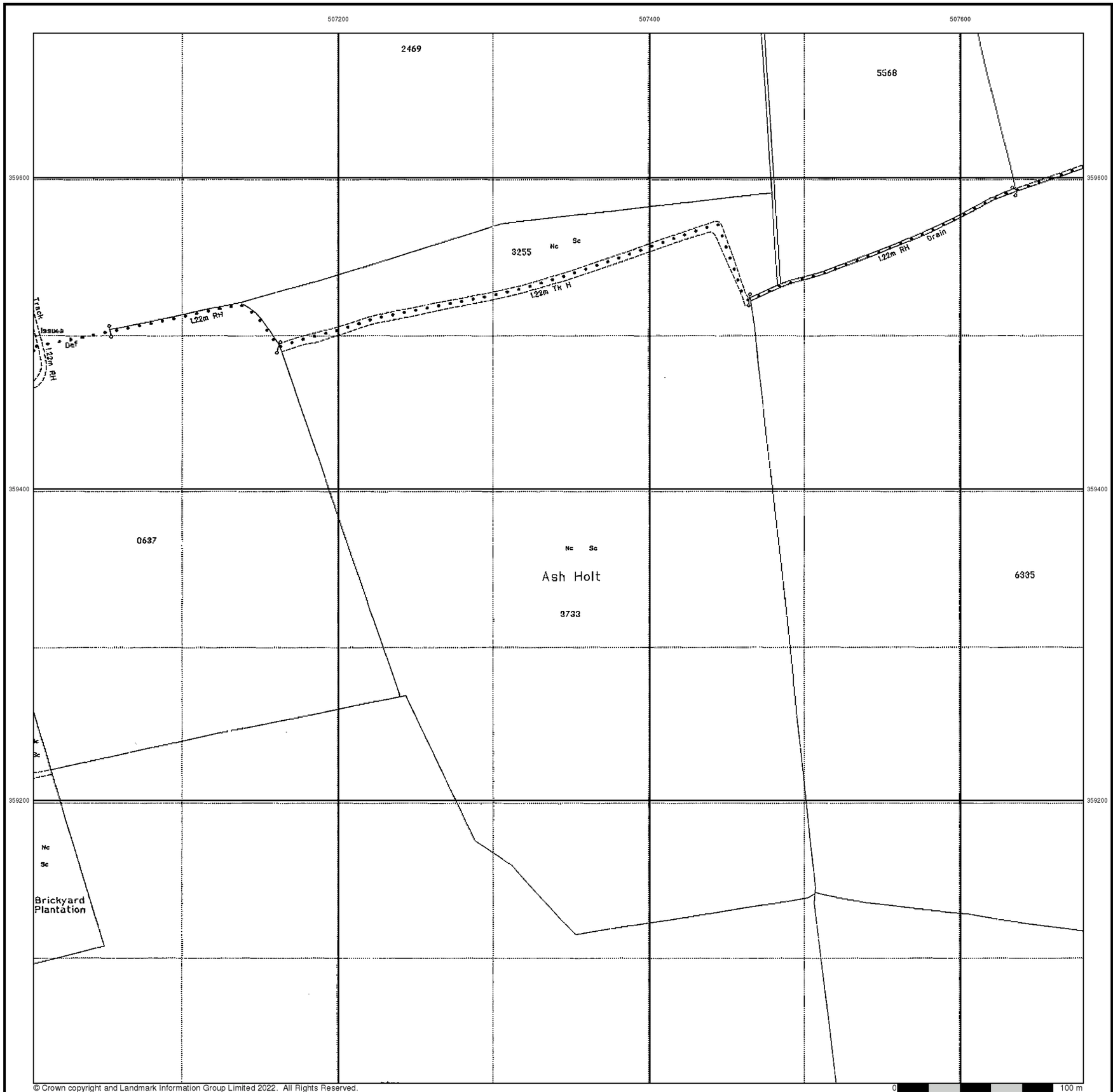

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RSK

Large-Scale National Grid Data

Published 1994

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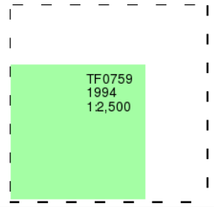
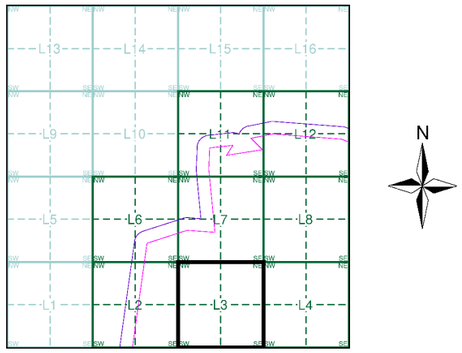


Historical Map - Segment L3



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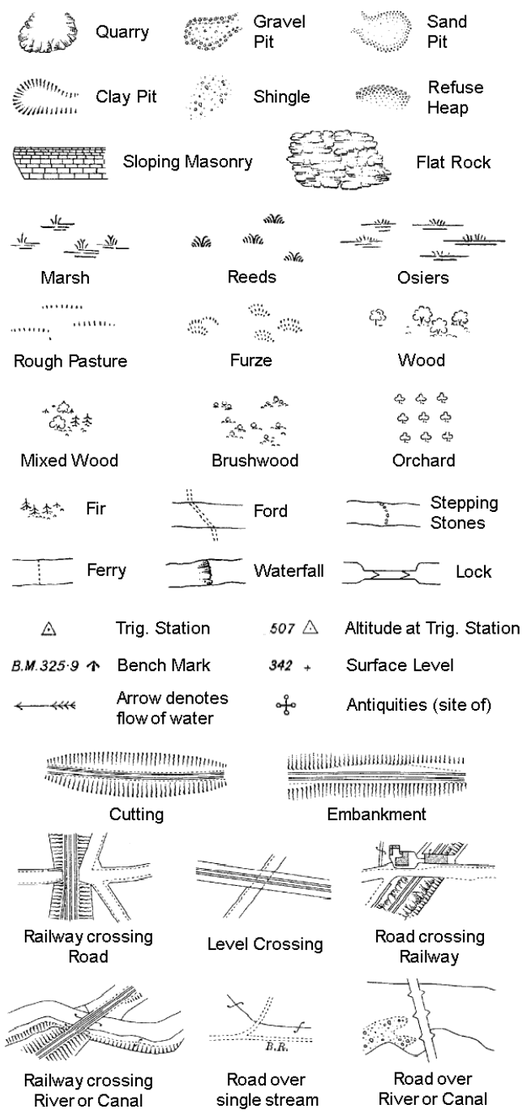
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
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Co. Burgh Bdy. County Burgh Boundary (Scotland)

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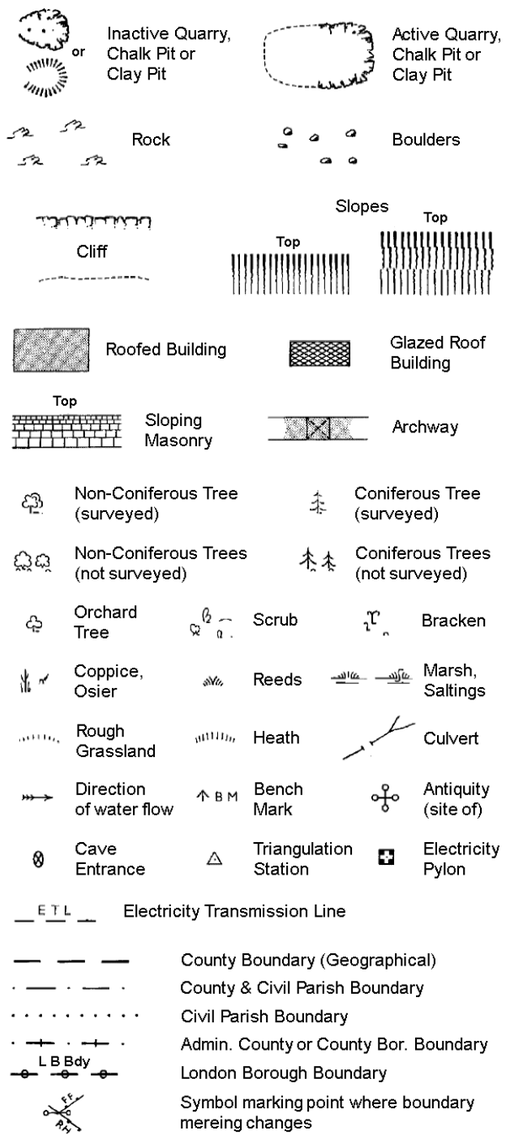
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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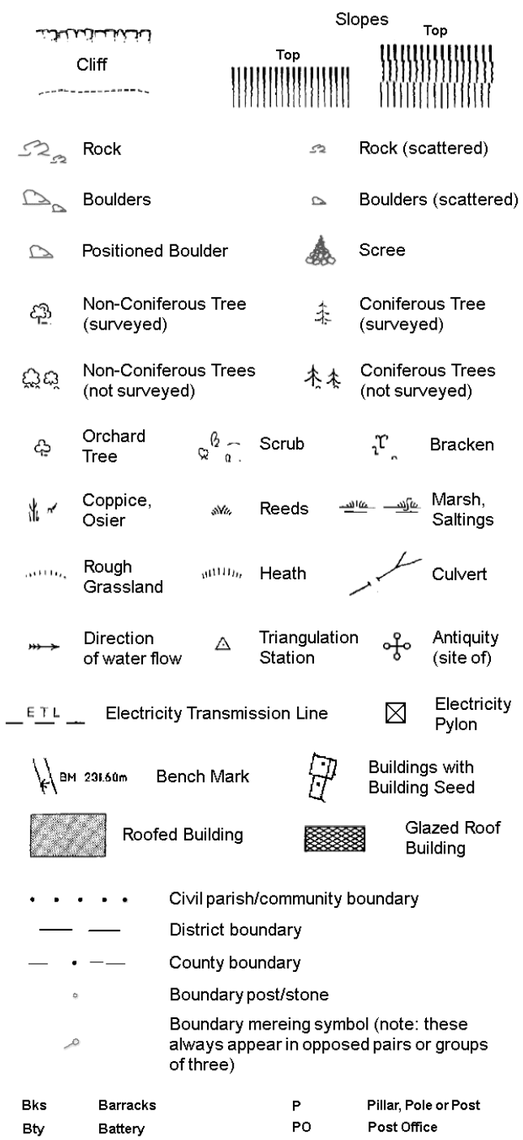
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

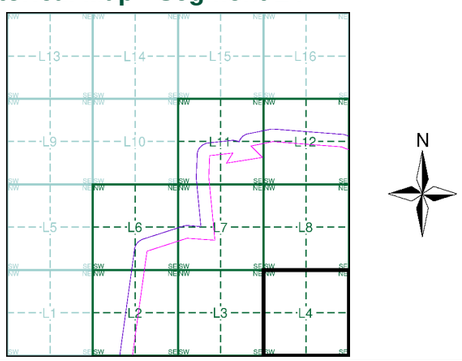
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment L4



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 507180, 360220
Slice: L
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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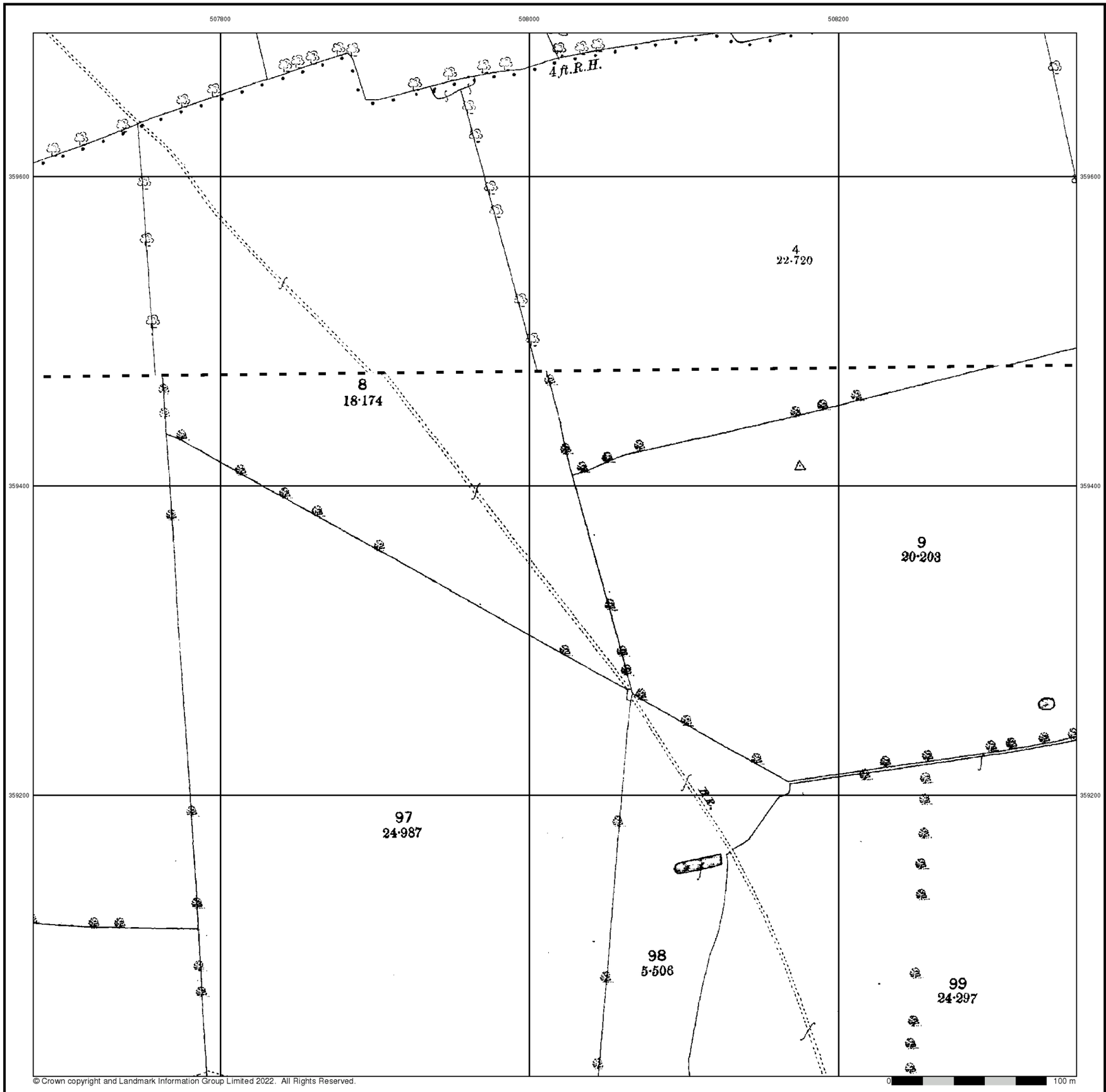
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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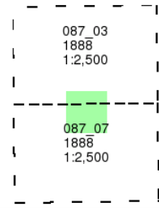
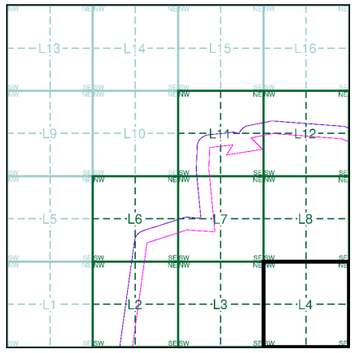
Map Name(s) and Date(s)



Historical Map - Segment L4



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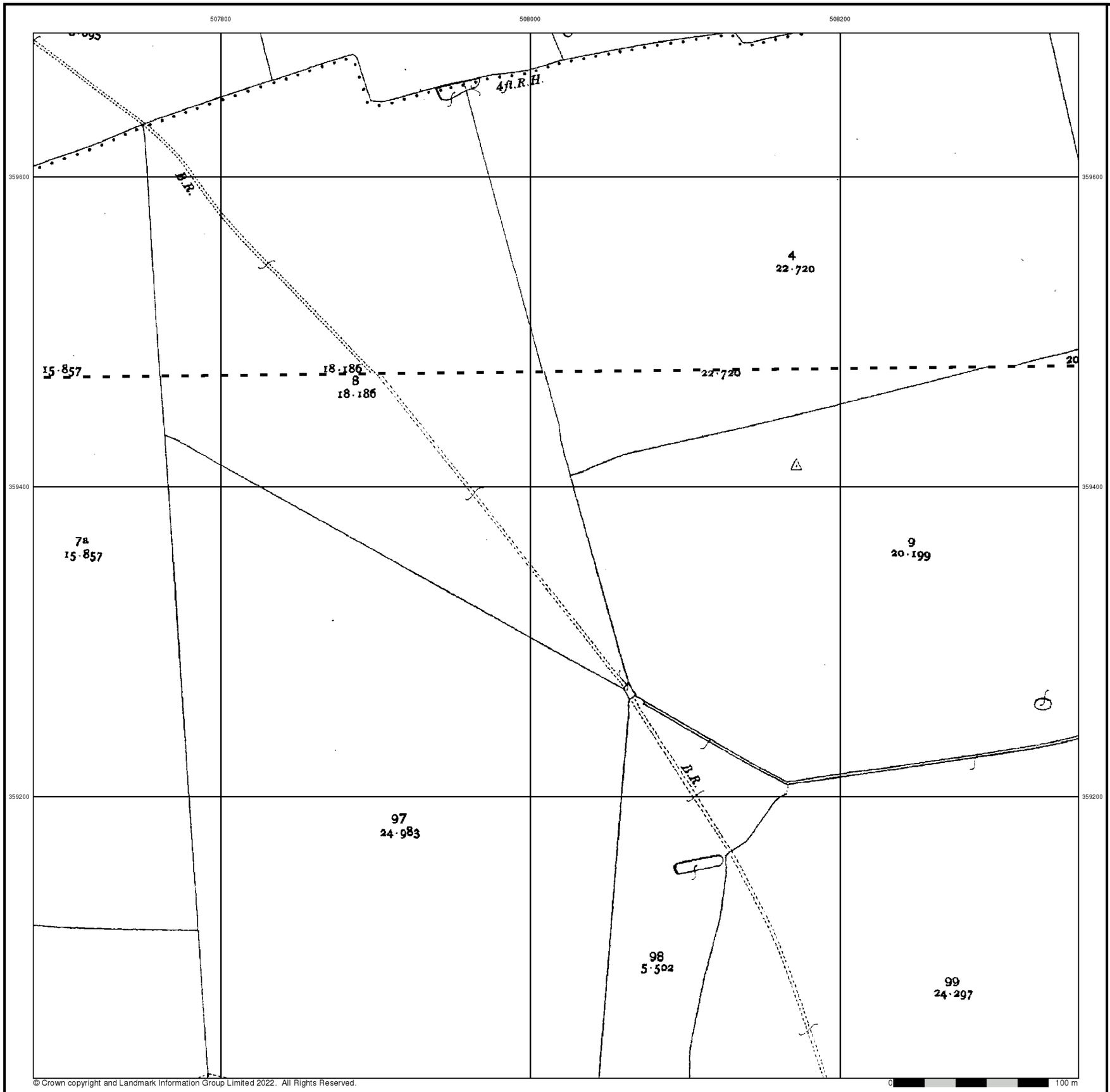

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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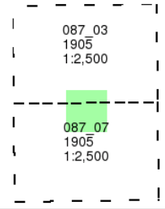
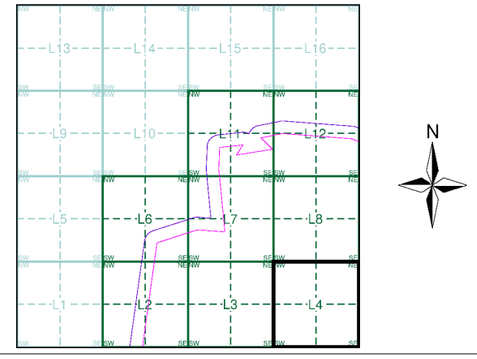


Historical Map - Segment L4



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Site Details

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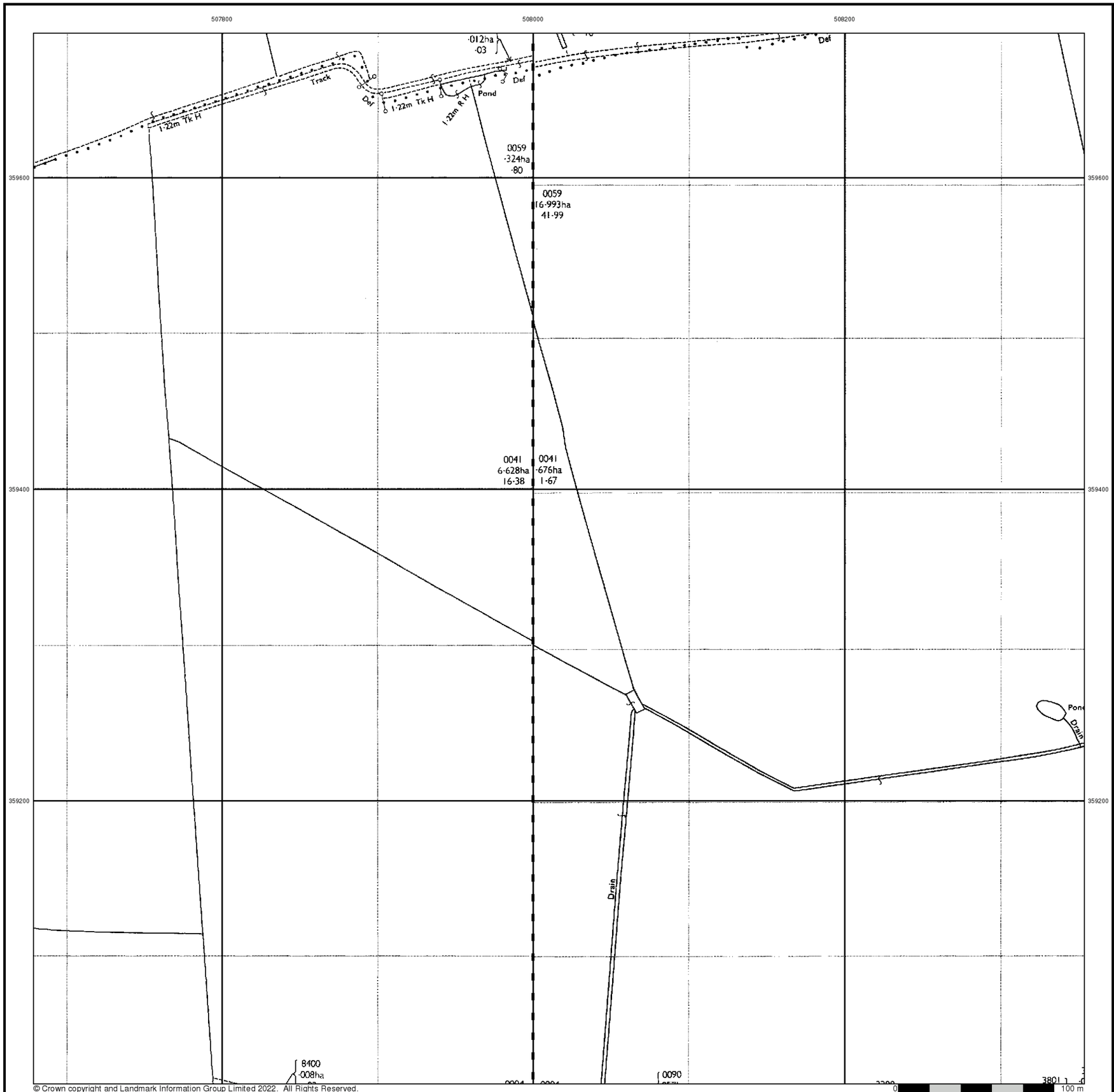

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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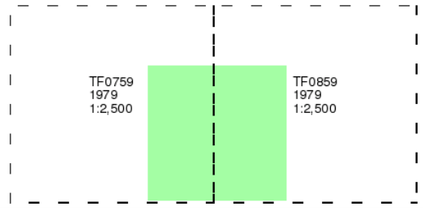
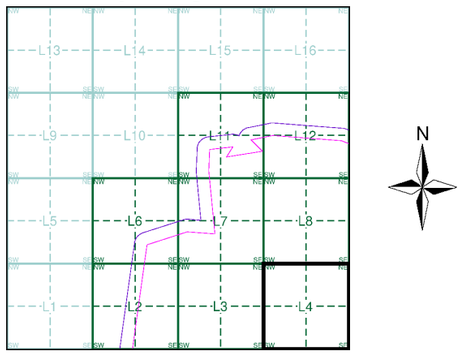
Map Name(s) and Date(s)



Historical Map - Segment L4



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Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

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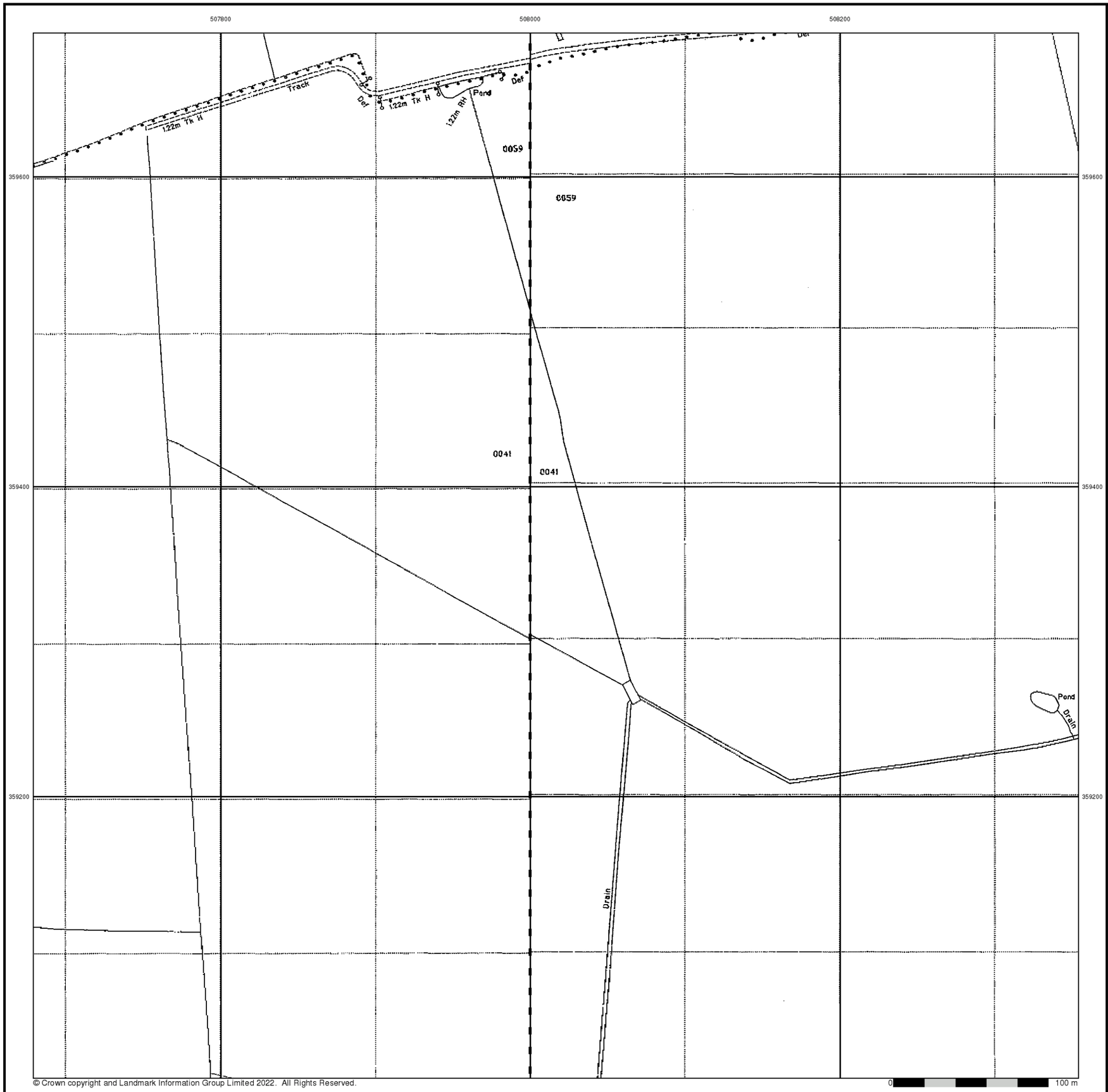


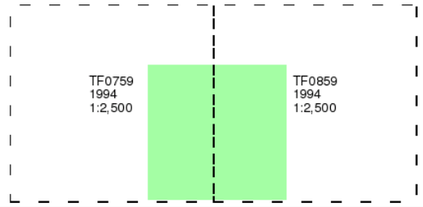
Large-Scale National Grid Data

Published 1994

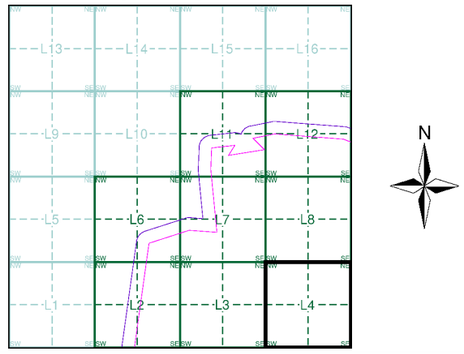
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment L4



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Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

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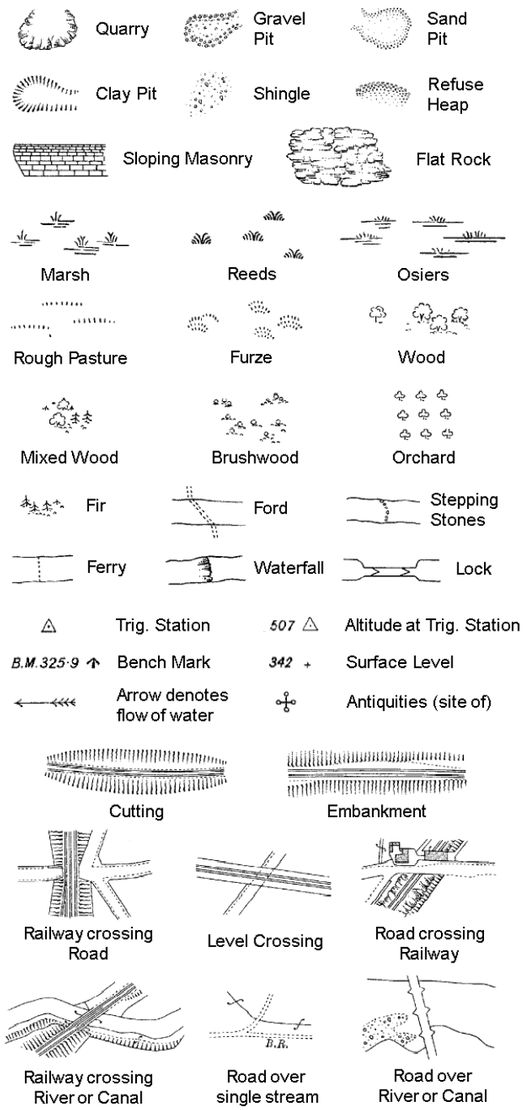
Historical Mapping Legends

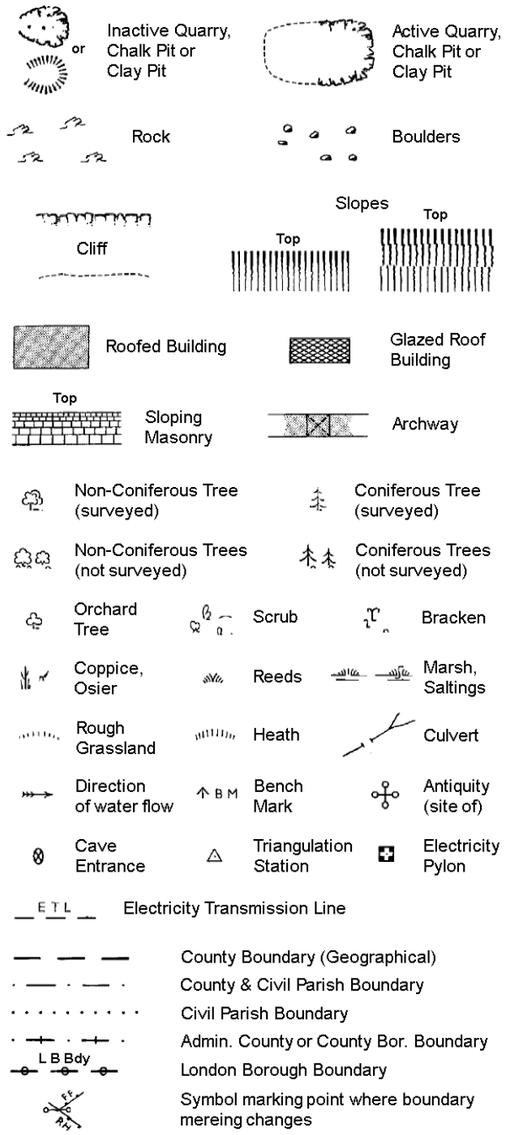
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

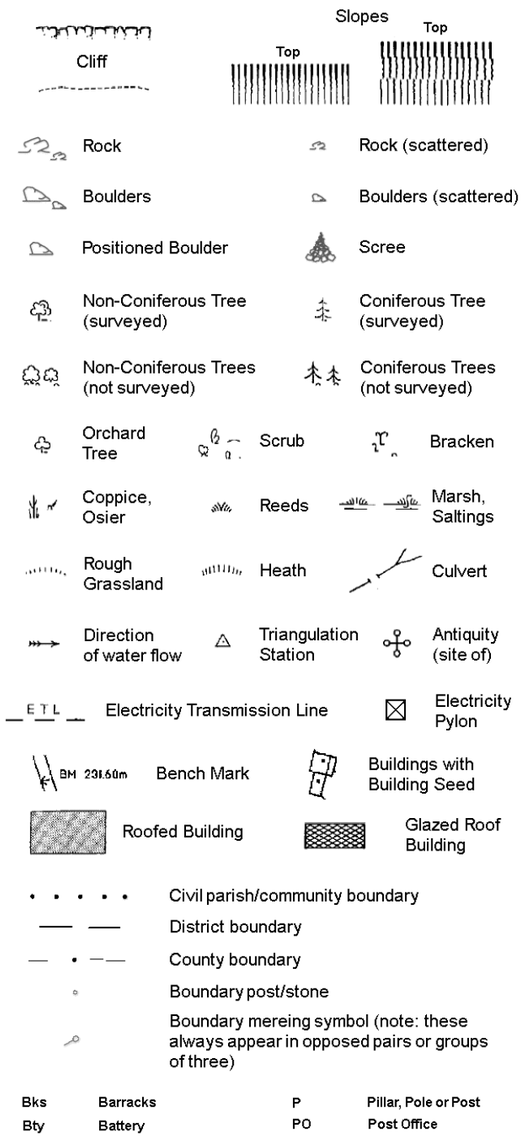
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

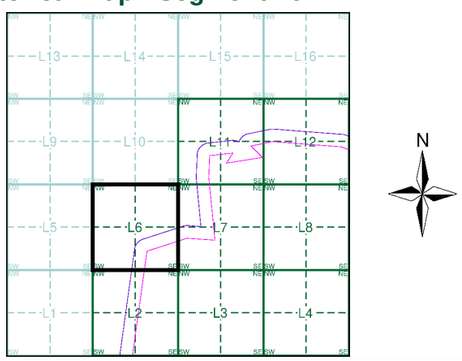
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973 - 1979	4
Large-Scale National Grid Data	1:2,500	1994 - 1995	5

Historical Map - Segment L6



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 507180, 360220
Slice: L
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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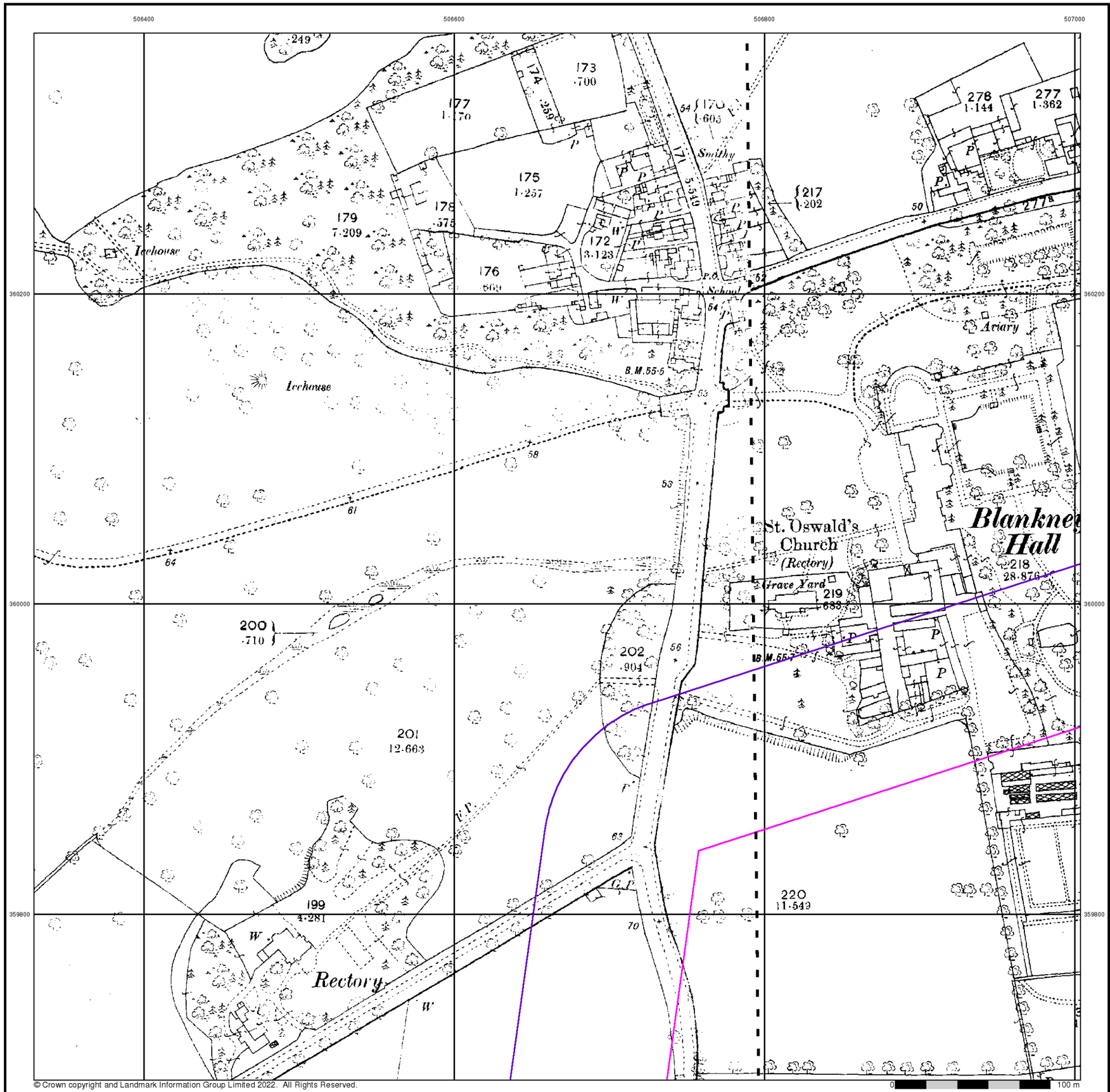

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0 100 m

RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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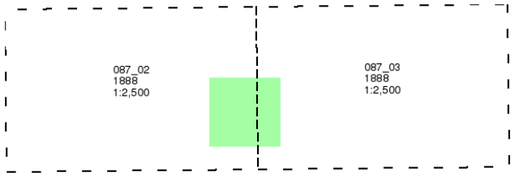
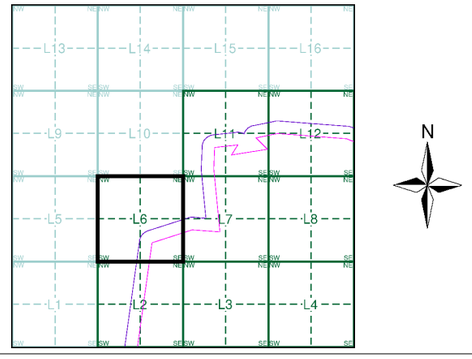
Map Name(s) and Date(s)



Historical Map - Segment L6



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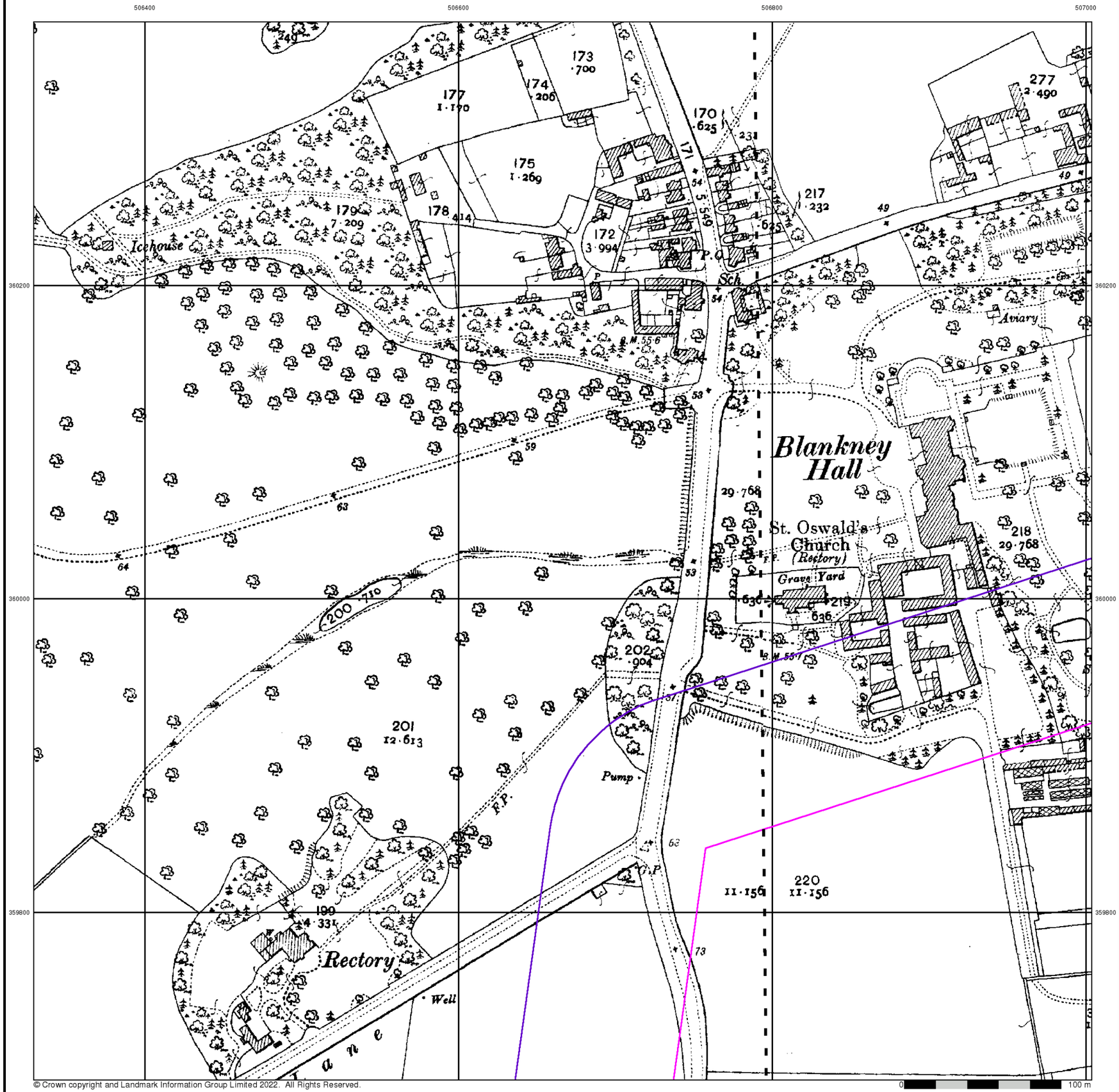

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0 100 m

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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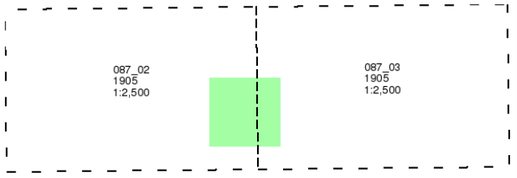
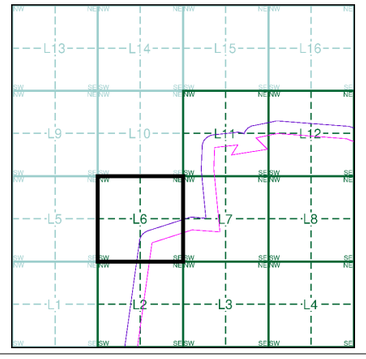


Historical Map - Segment L6



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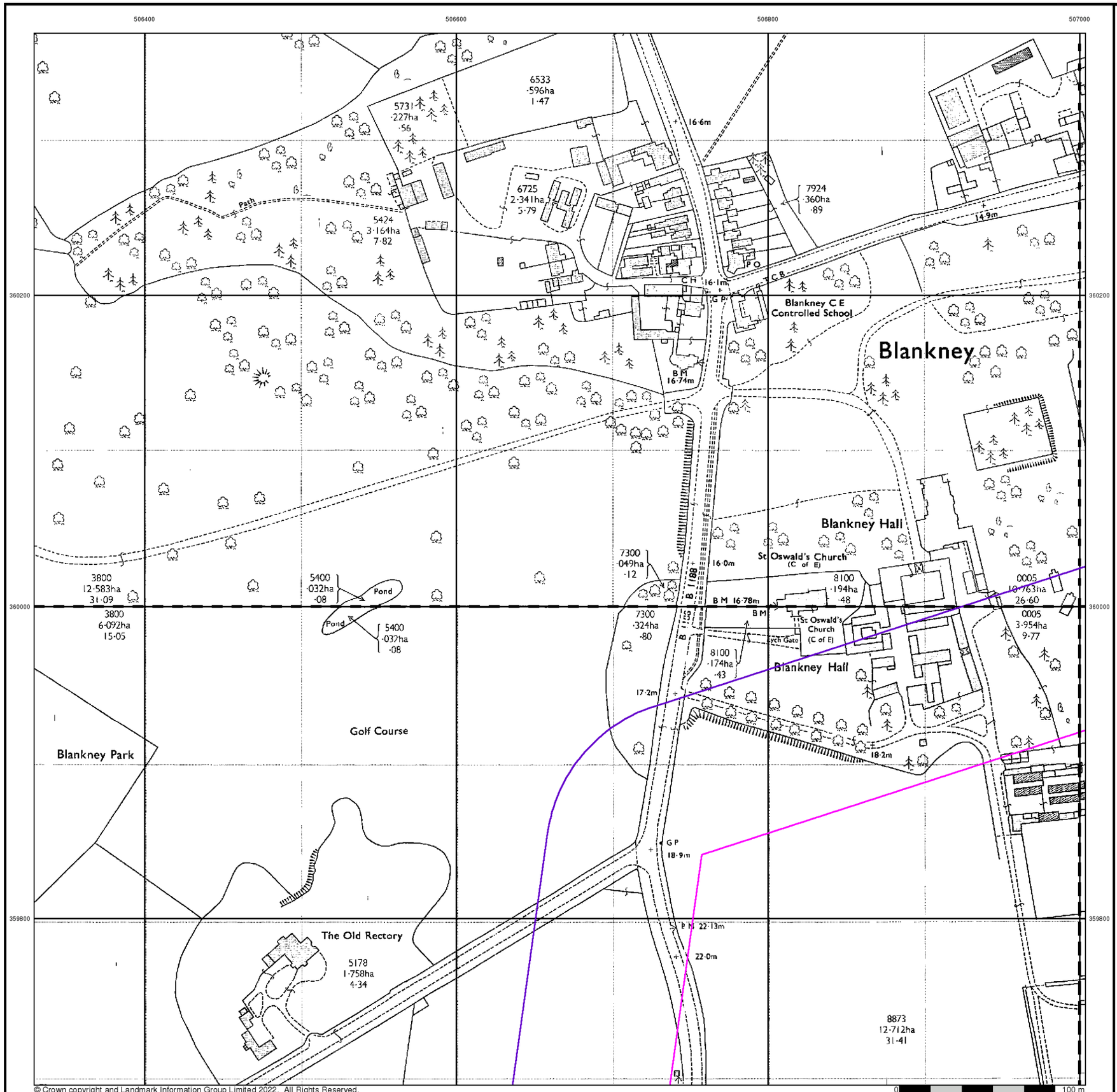

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Ordnance Survey Plan

Published 1973 - 1979

Source map scale - 1:2,500

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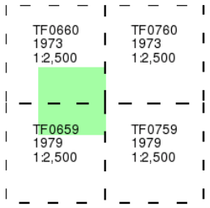
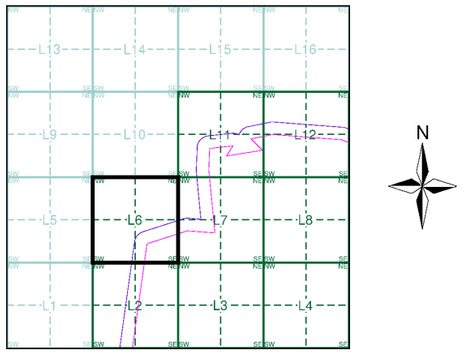
Map Name(s) and Date(s)



Historical Map - Segment L6



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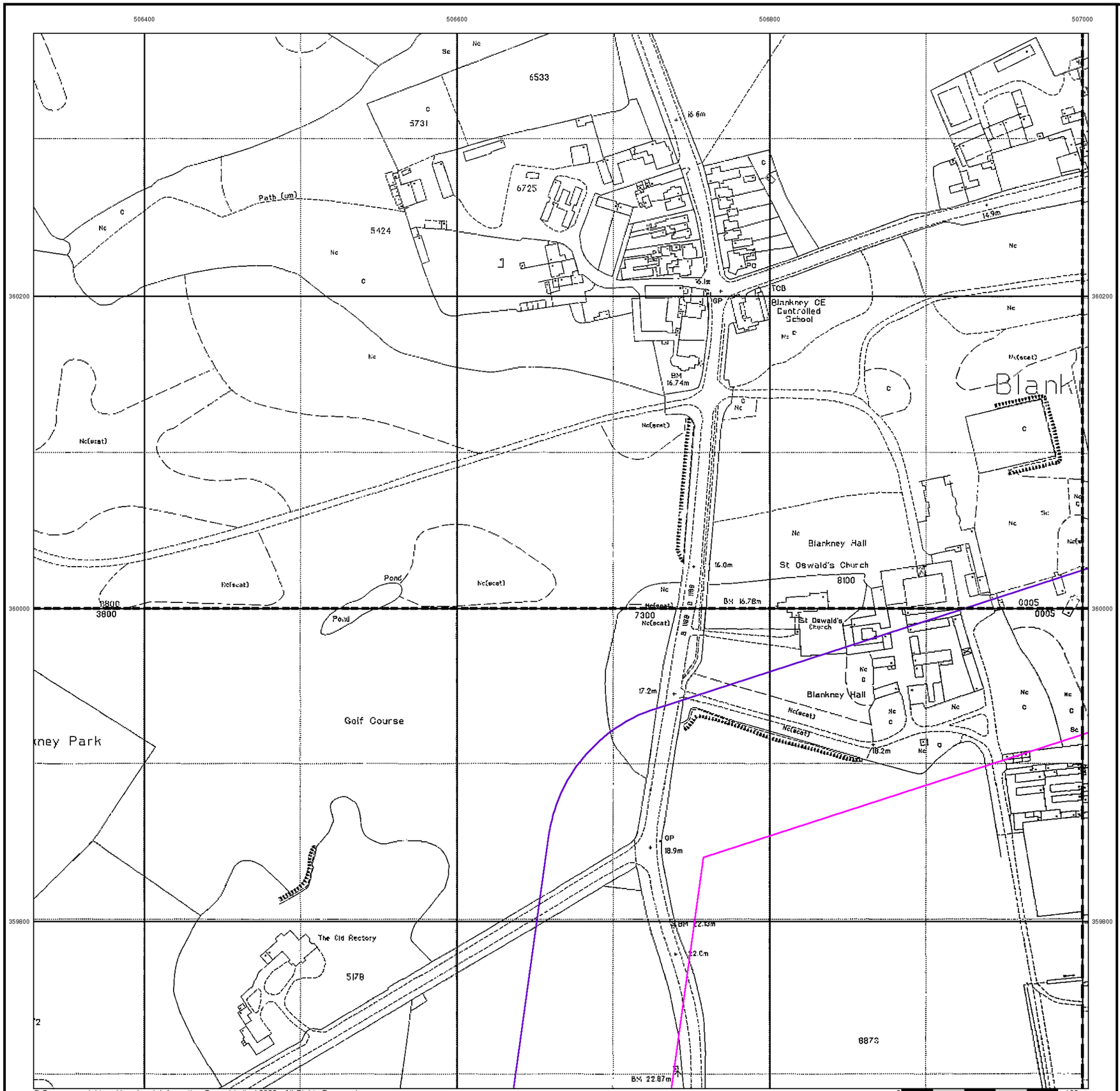

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Large-Scale National Grid Data

Published 1994 - 1995

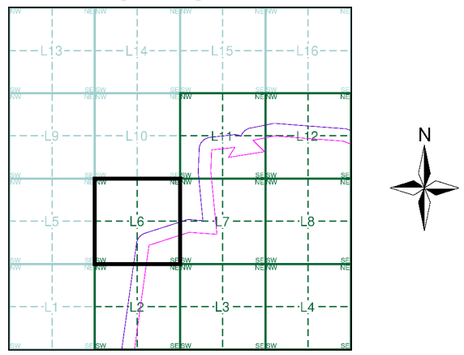
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

TF0660 1995 1:2,500	TF0760 1995 1:2,500
TF0659 1994 1:2,500	TF0759 1994 1:2,500

Historical Map - Segment L6



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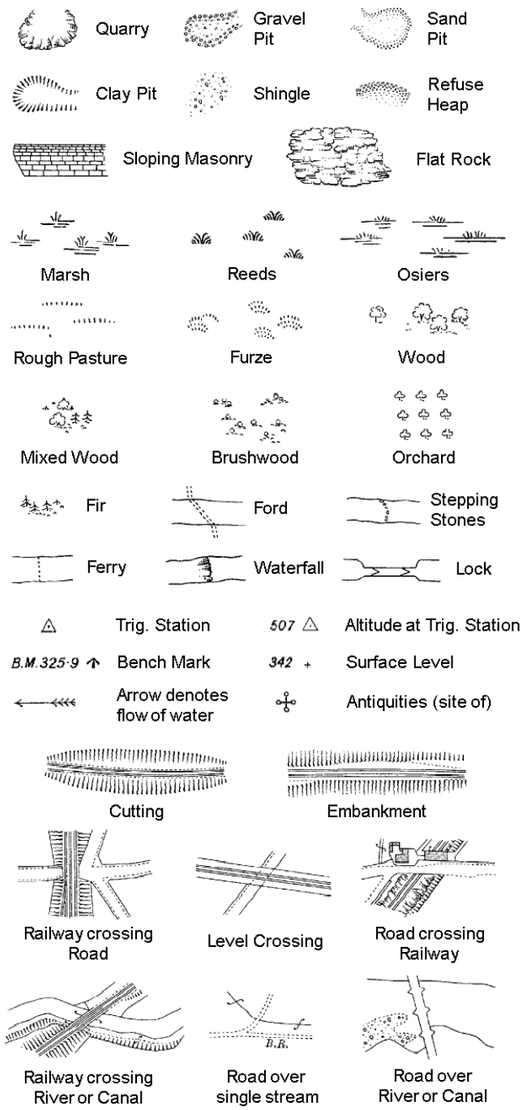
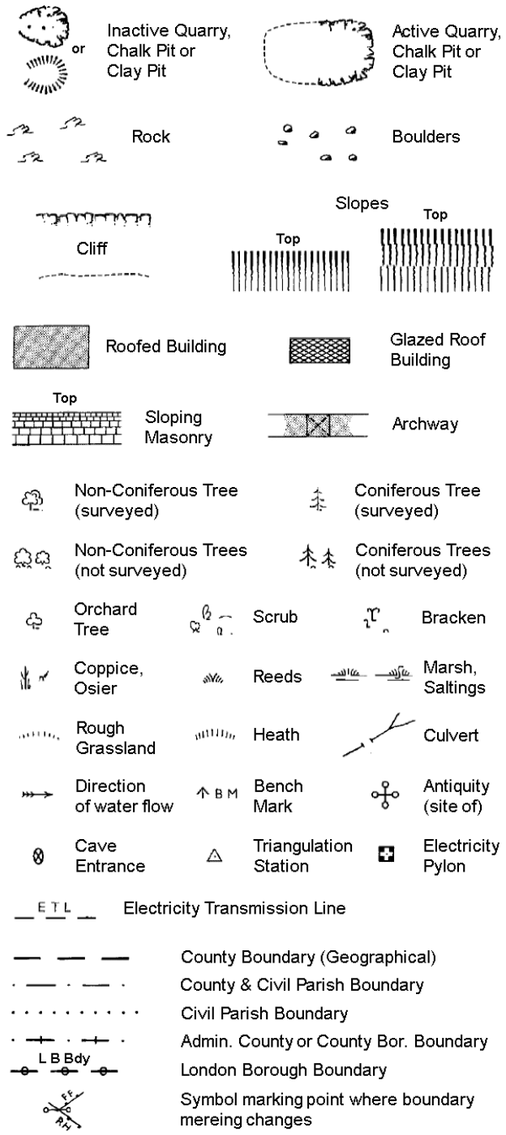
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



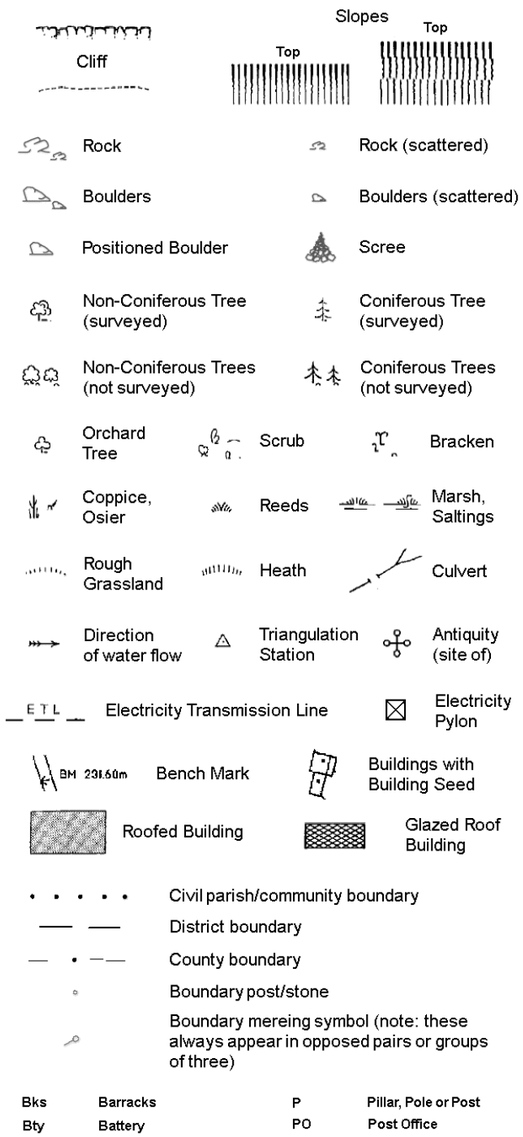
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



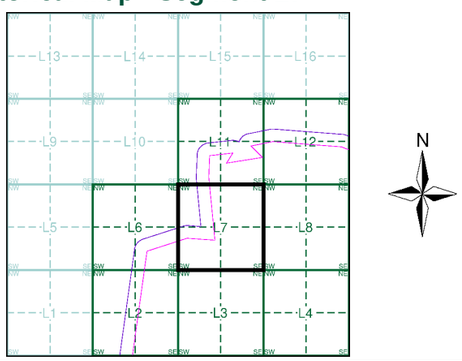
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973 - 1979	4
Large-Scale National Grid Data	1:2,500	1994 - 1995	5

Historical Map - Segment L7



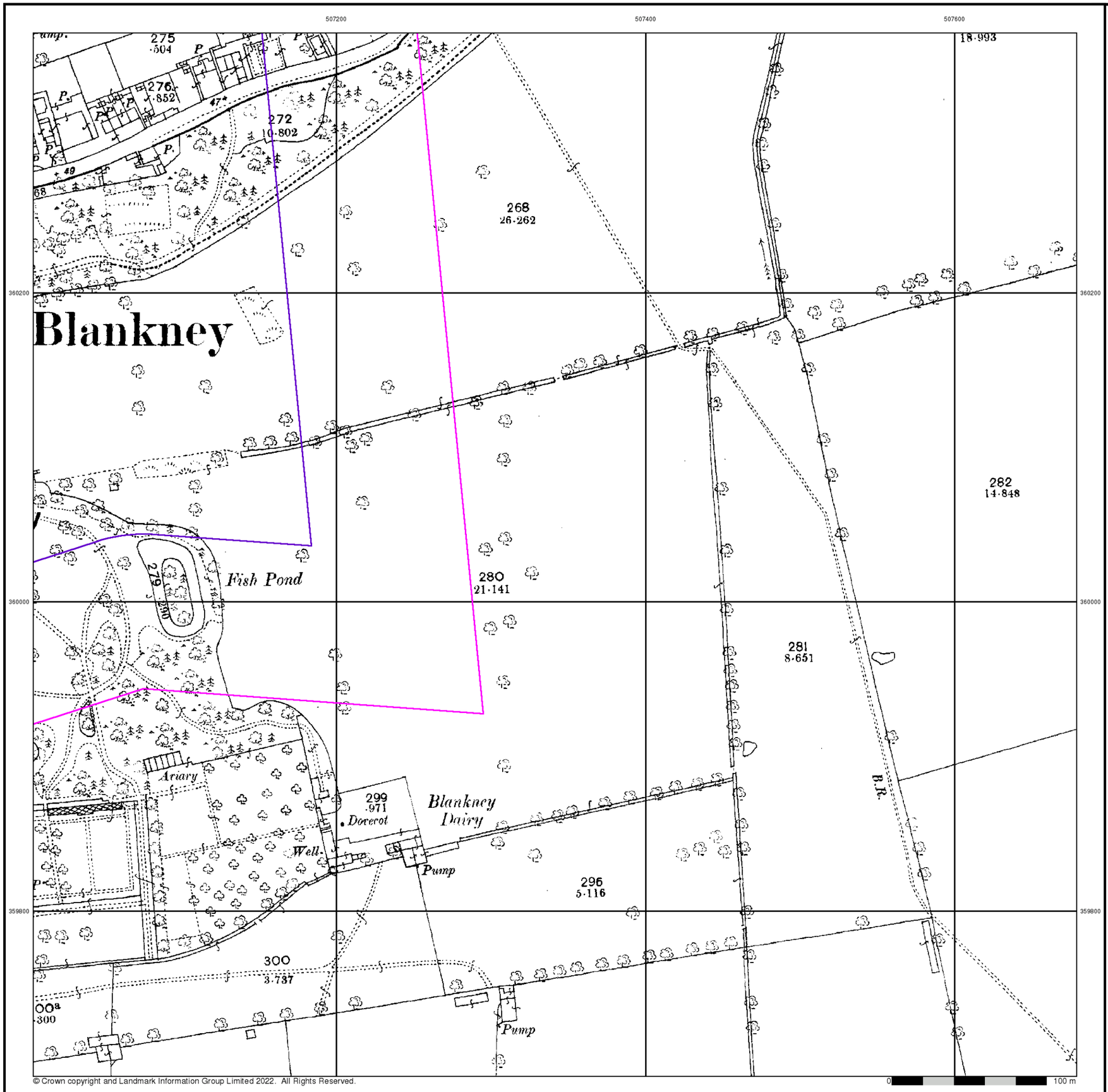
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 507180, 360220
Slice: L
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1888

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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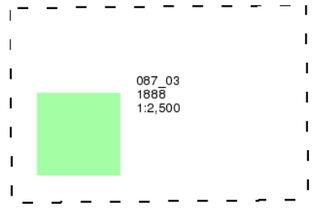
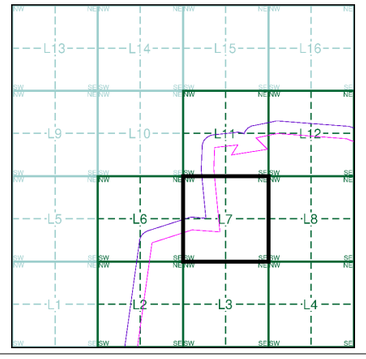


Historical Map - Segment L7



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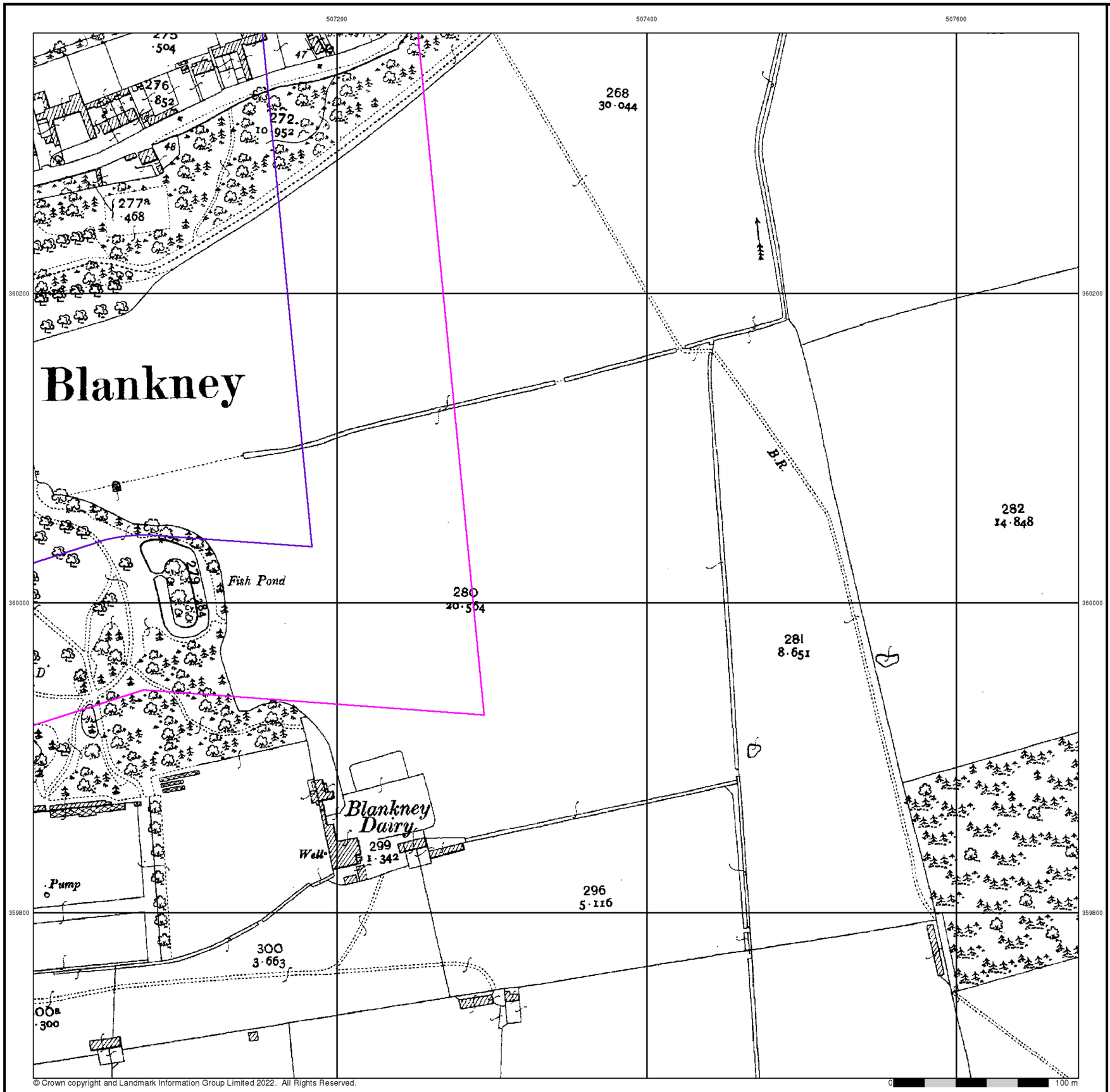

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Lincolnshire

Published 1905

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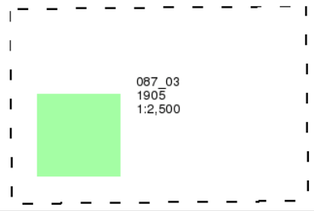
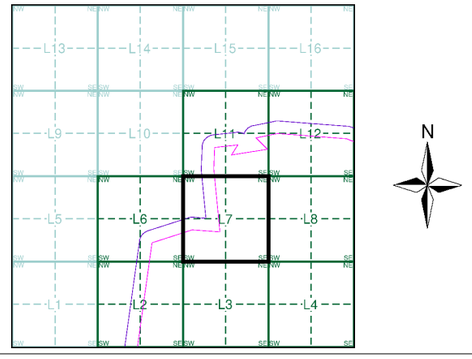


Historical Map - Segment L7



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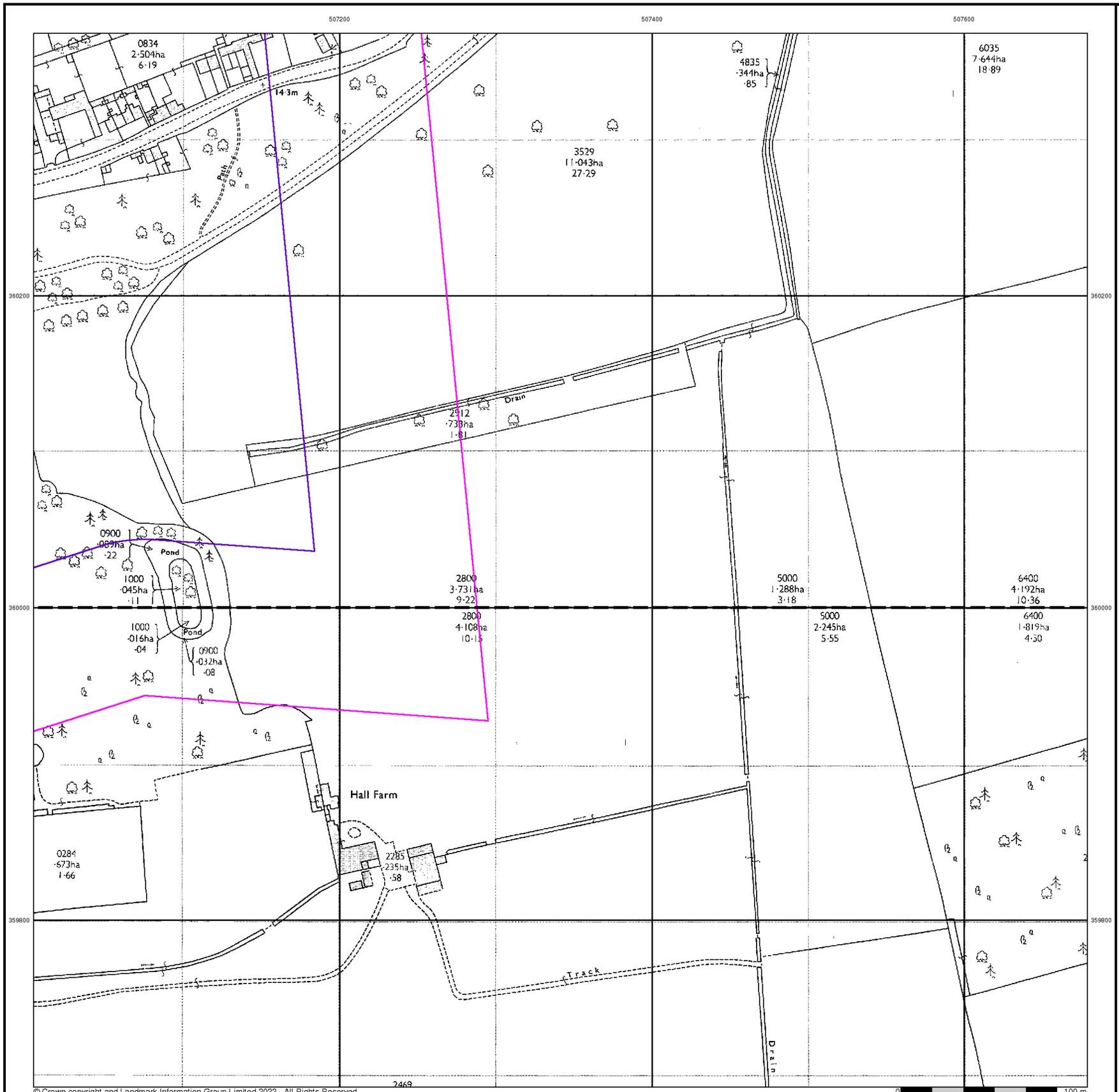

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Ordnance Survey Plan

Published 1973 - 1979

Source map scale - 1:2,500

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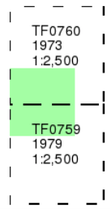
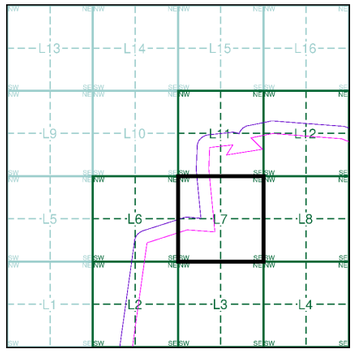


Historical Map - Segment L7



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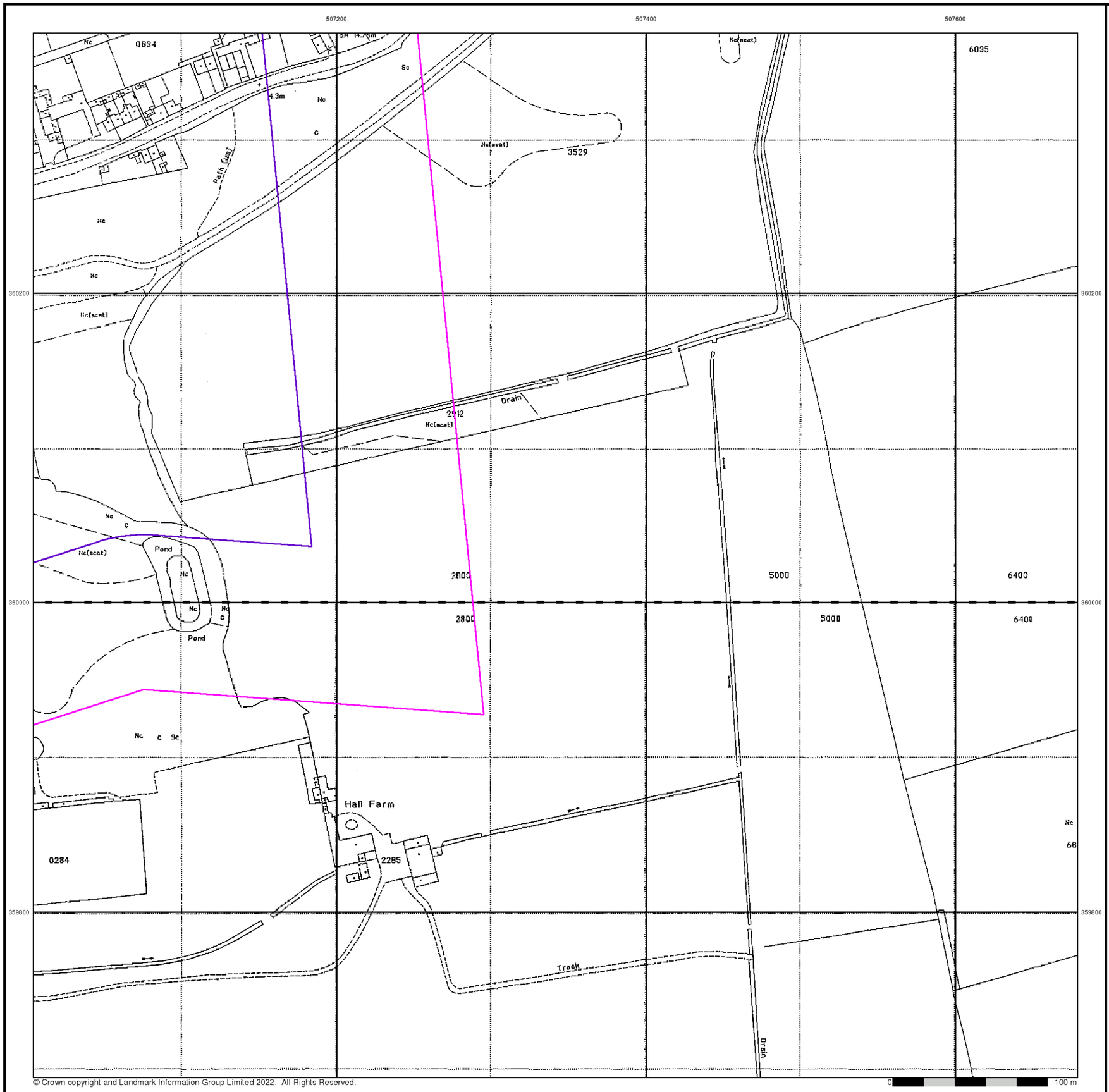

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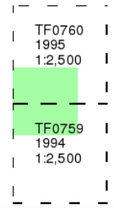
Large-Scale National Grid Data

Published 1994 - 1995

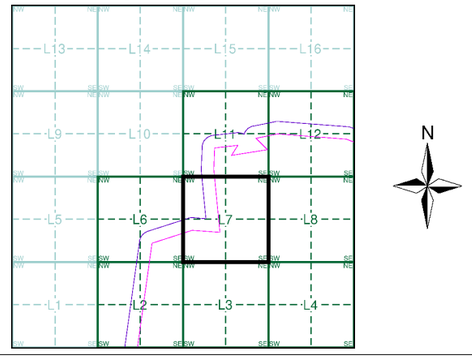
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment L7



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Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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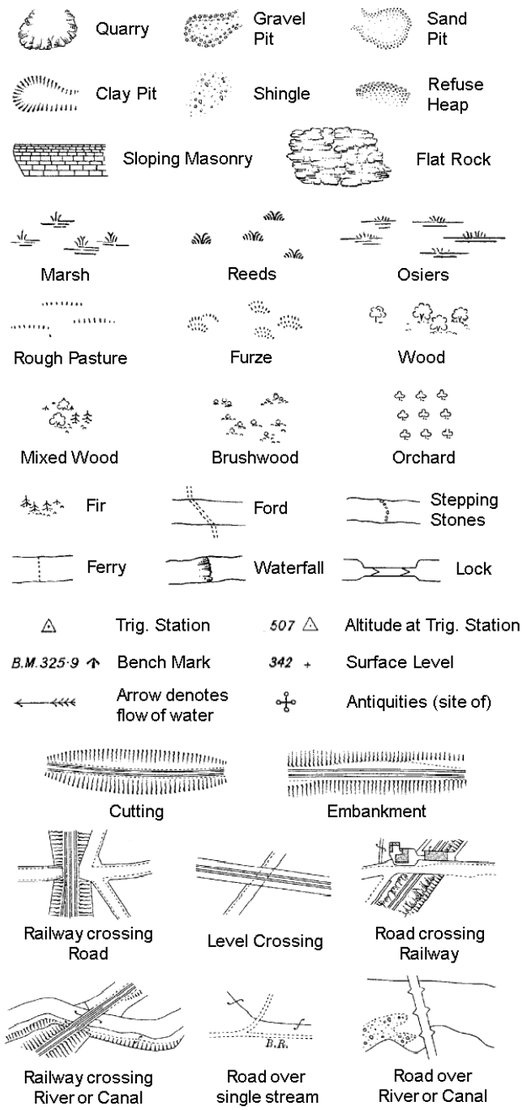
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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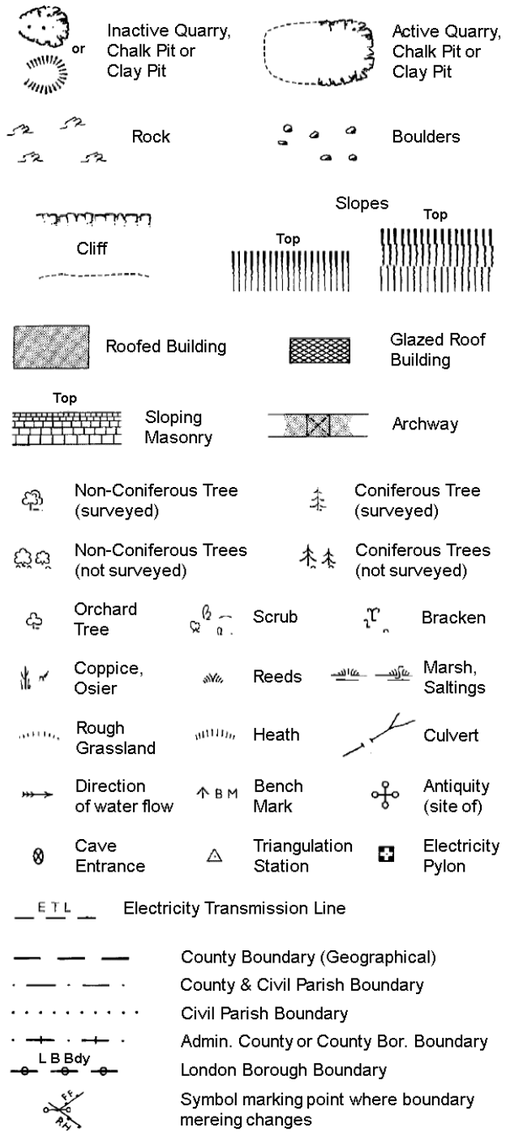
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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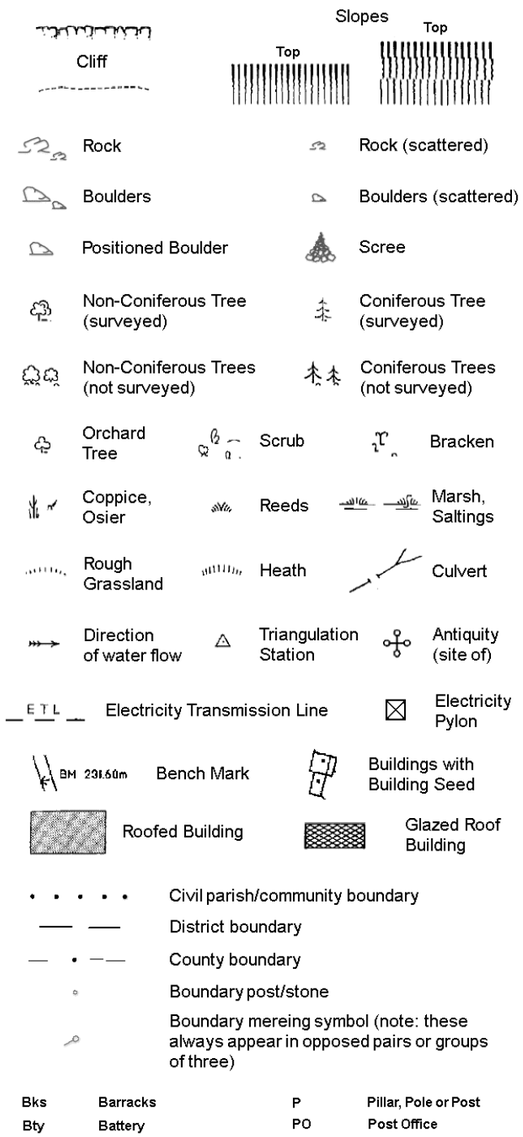
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
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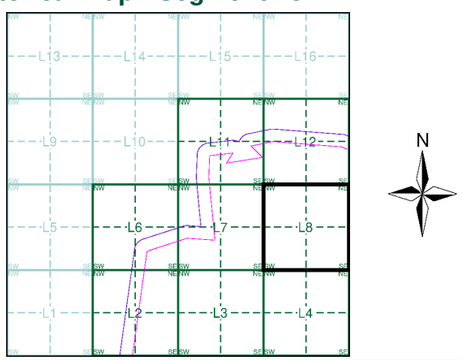
Large-Scale National Grid Data	1:2,500	1994 - 1995	5

Historical Map - Segment L8



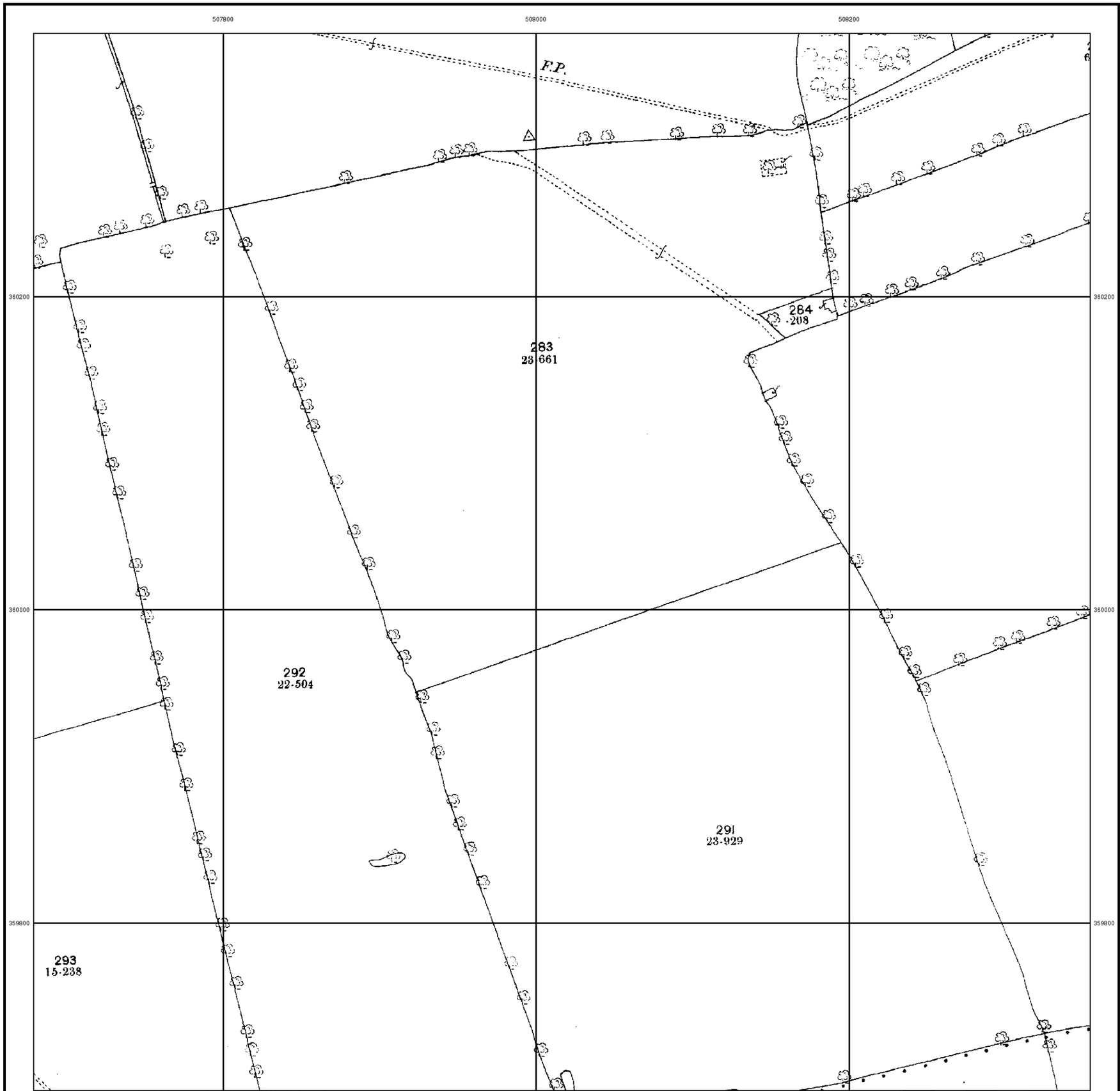
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 507180, 360220
Slice: L
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

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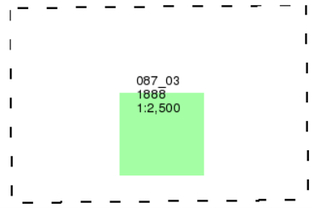
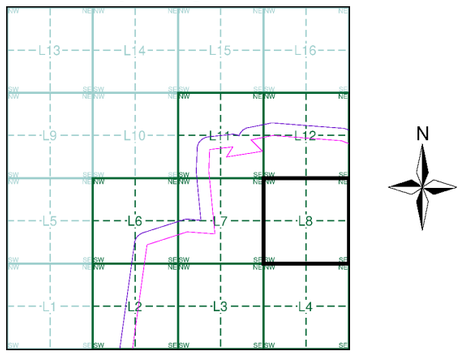


Historical Map - Segment L8



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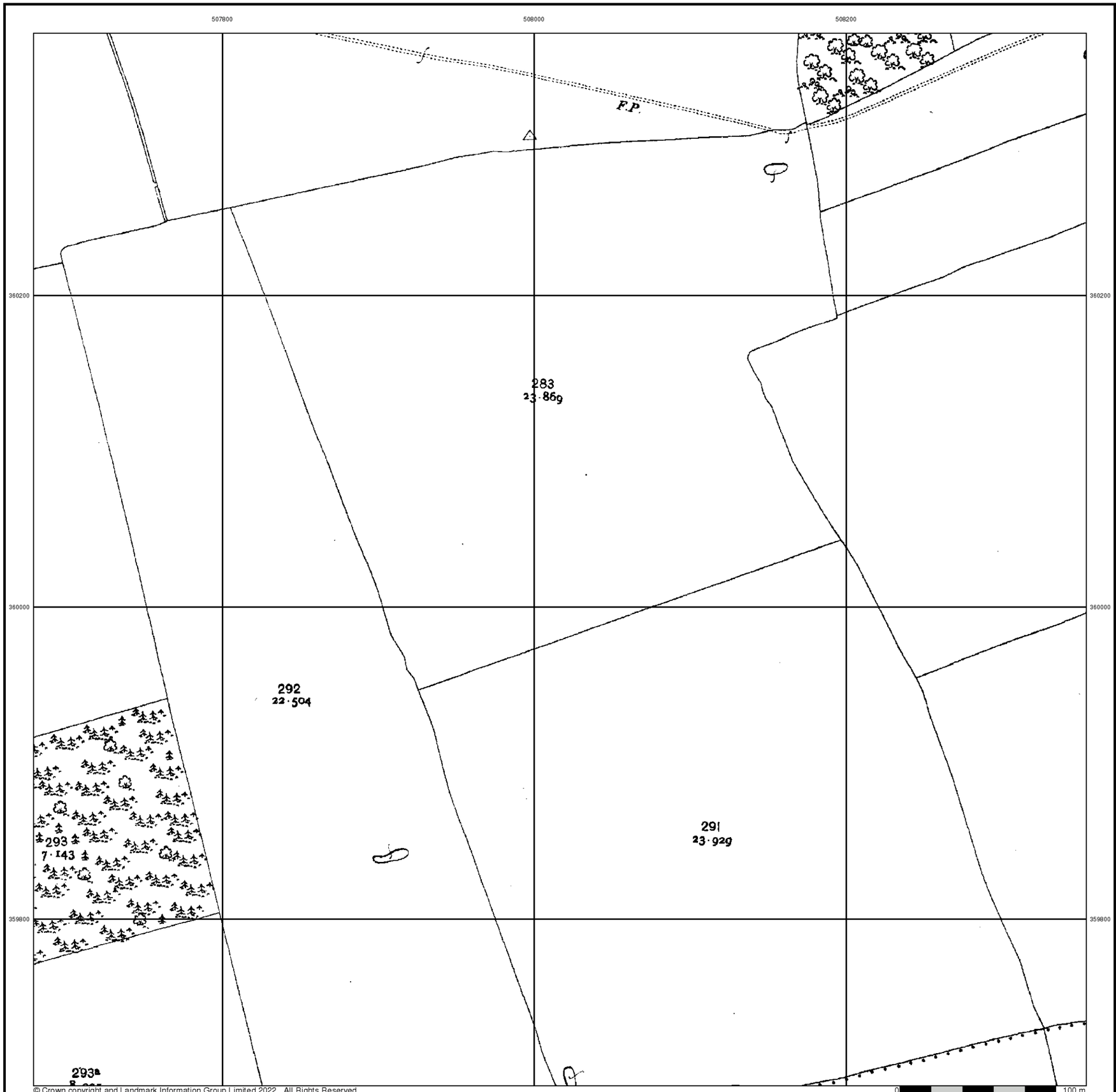

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0 100 m

RSK

Lincolnshire

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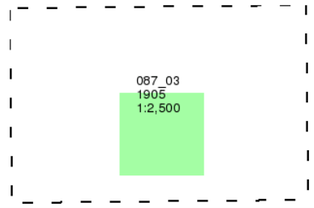

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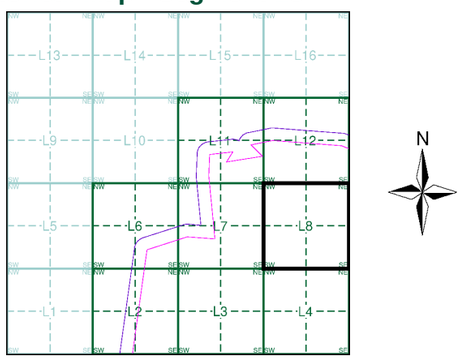

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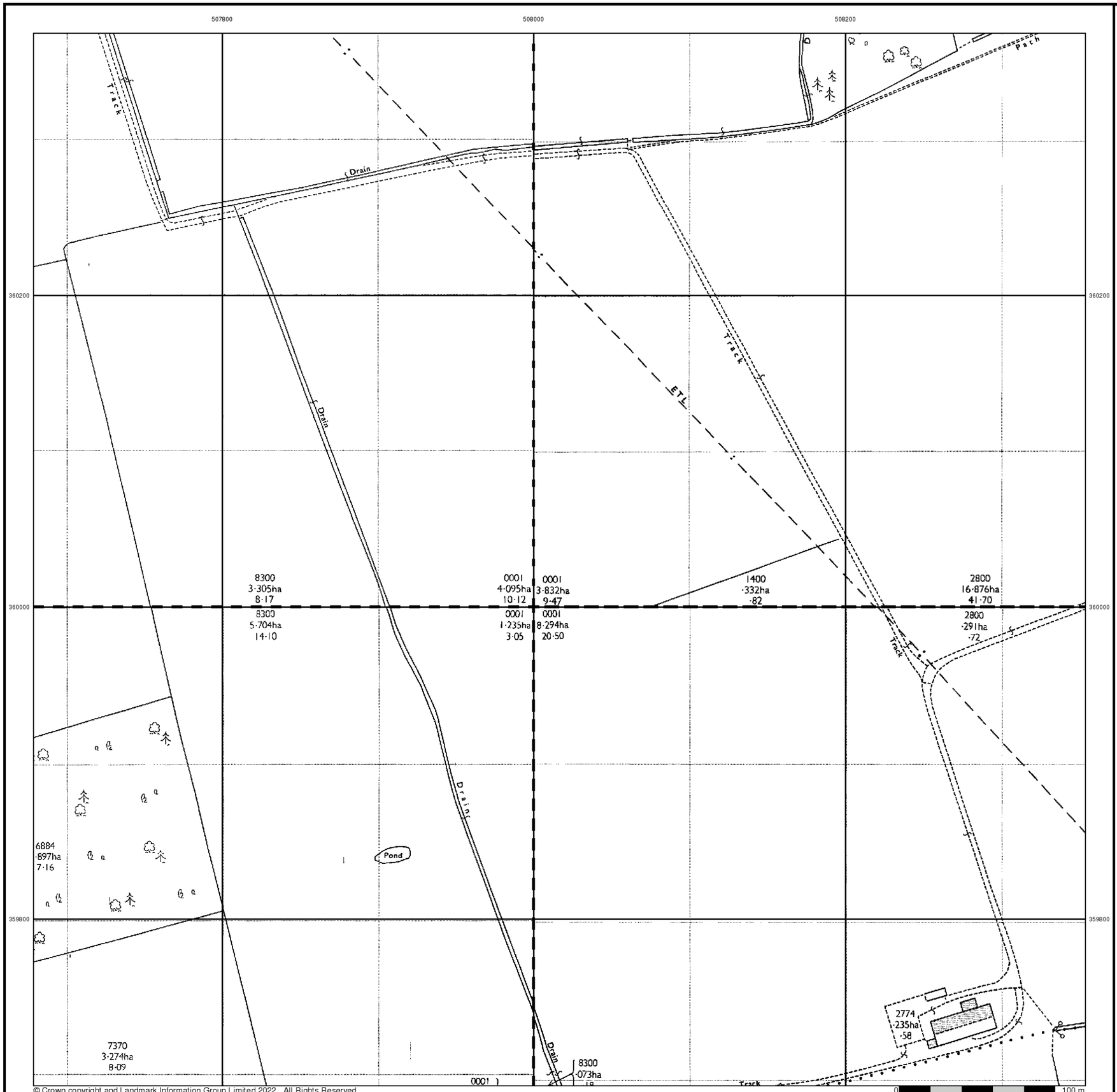

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Ordnance Survey Plan

Published 1973 - 1979

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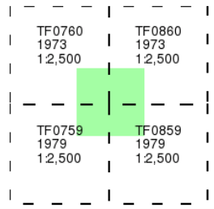

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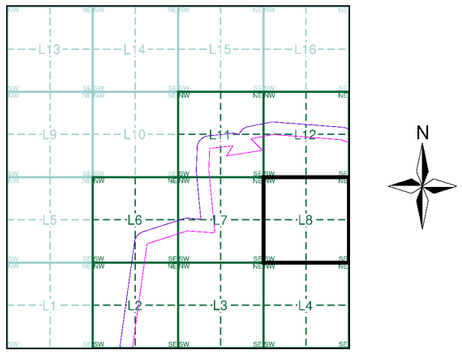

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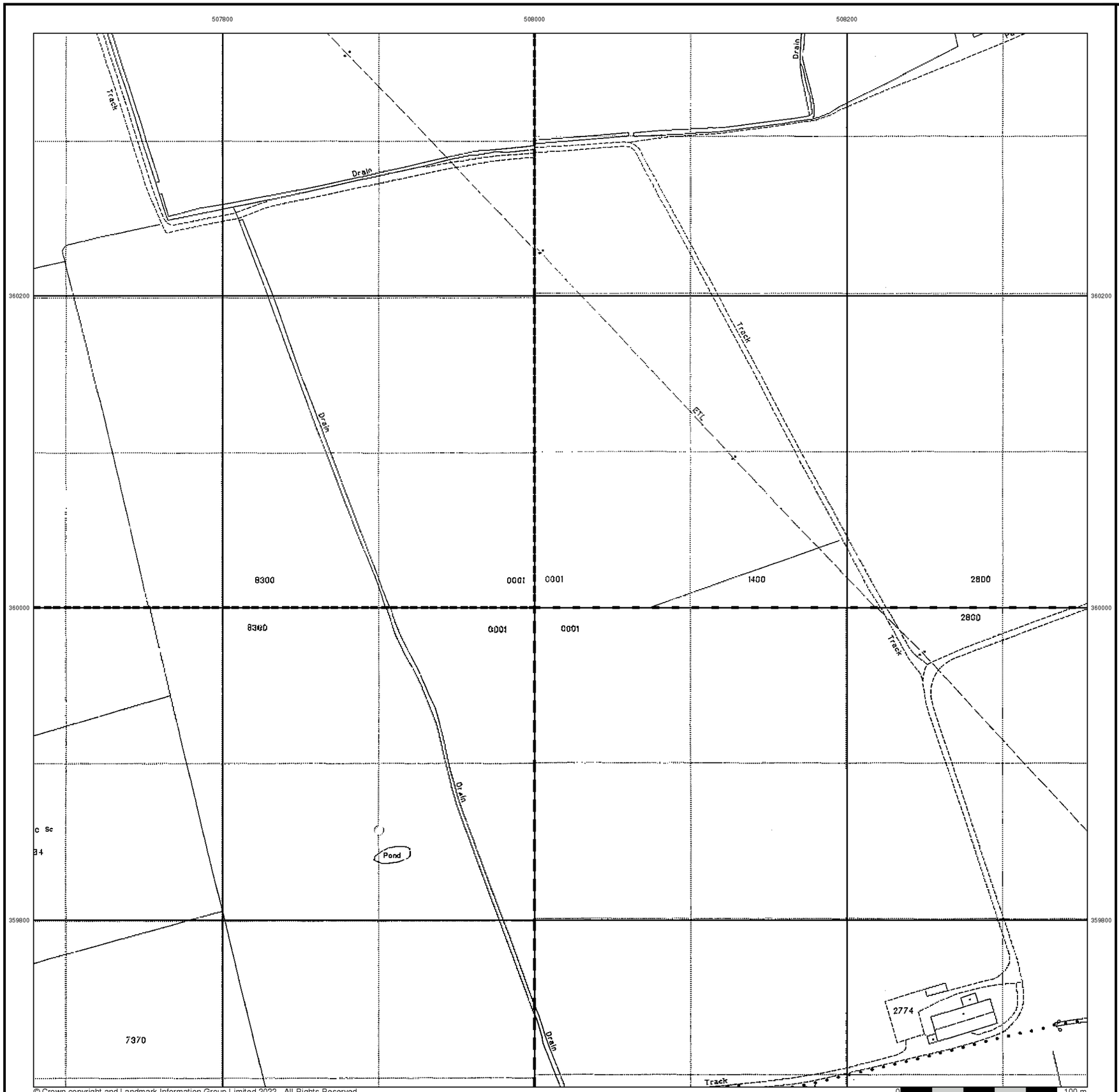

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RSK

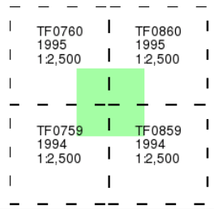
Large-Scale National Grid Data

Published 1994 - 1995

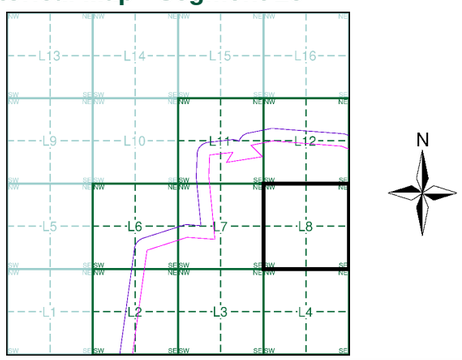
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment L8



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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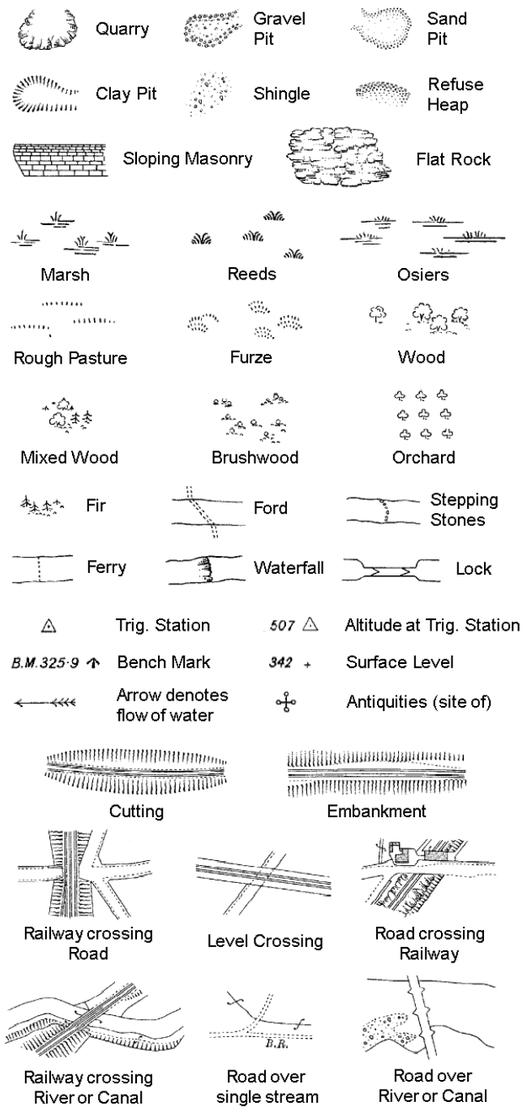
Historical Mapping Legends

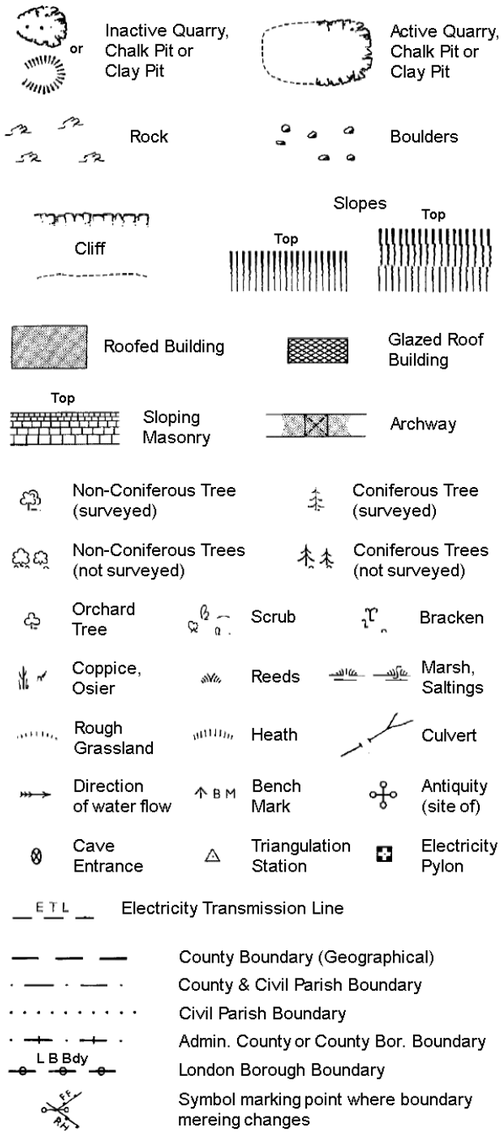
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

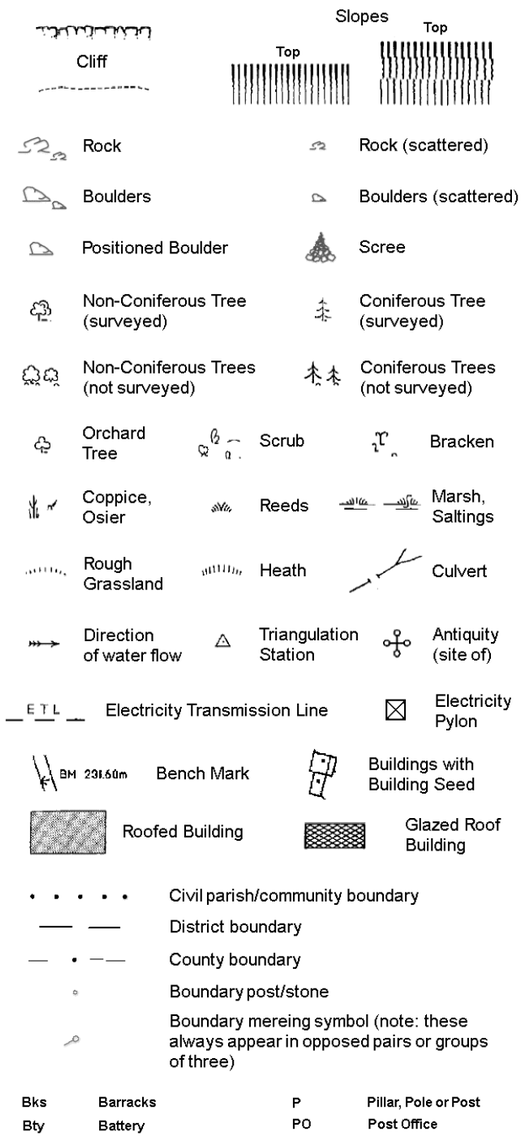
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

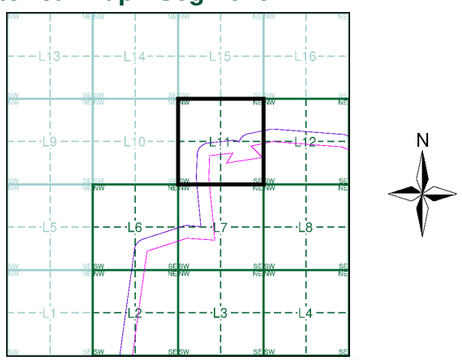
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973	4
Additional SIMs	1:2,500	1986	5
Additional SIMs	1:2,500	1993	6
Additional SIMs	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1995	8
Large-Scale National Grid Data	1:2,500	1996	9
Large-Scale National Grid Data	1:2,500	1996	10

Historical Map - Segment L11



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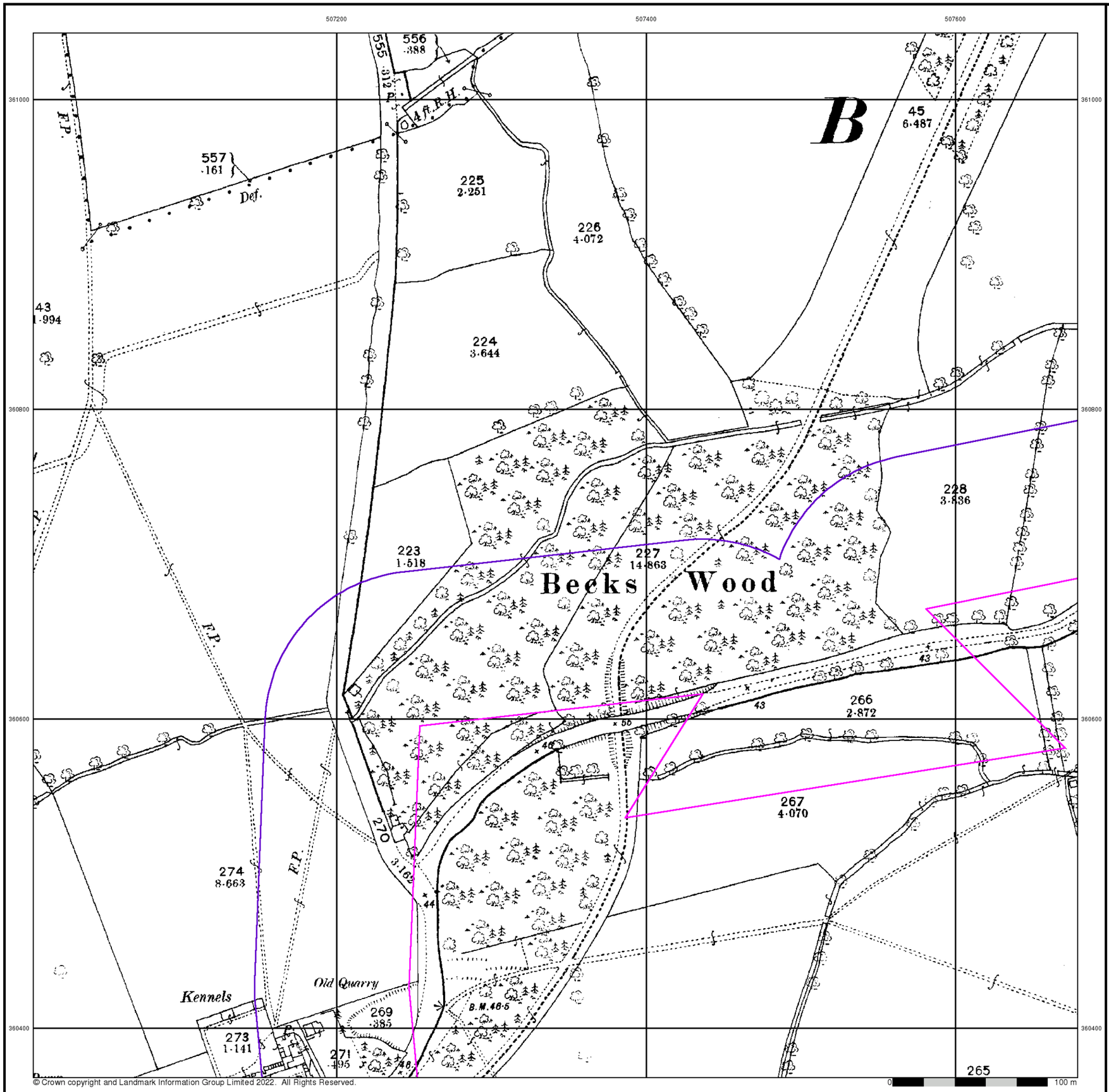

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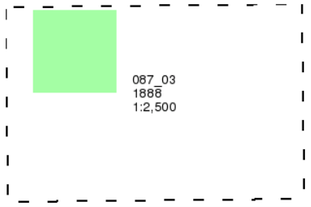
Lincolnshire

Published 1888

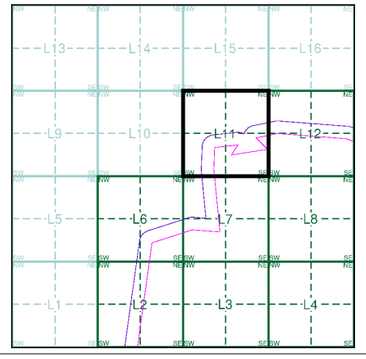
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment L11



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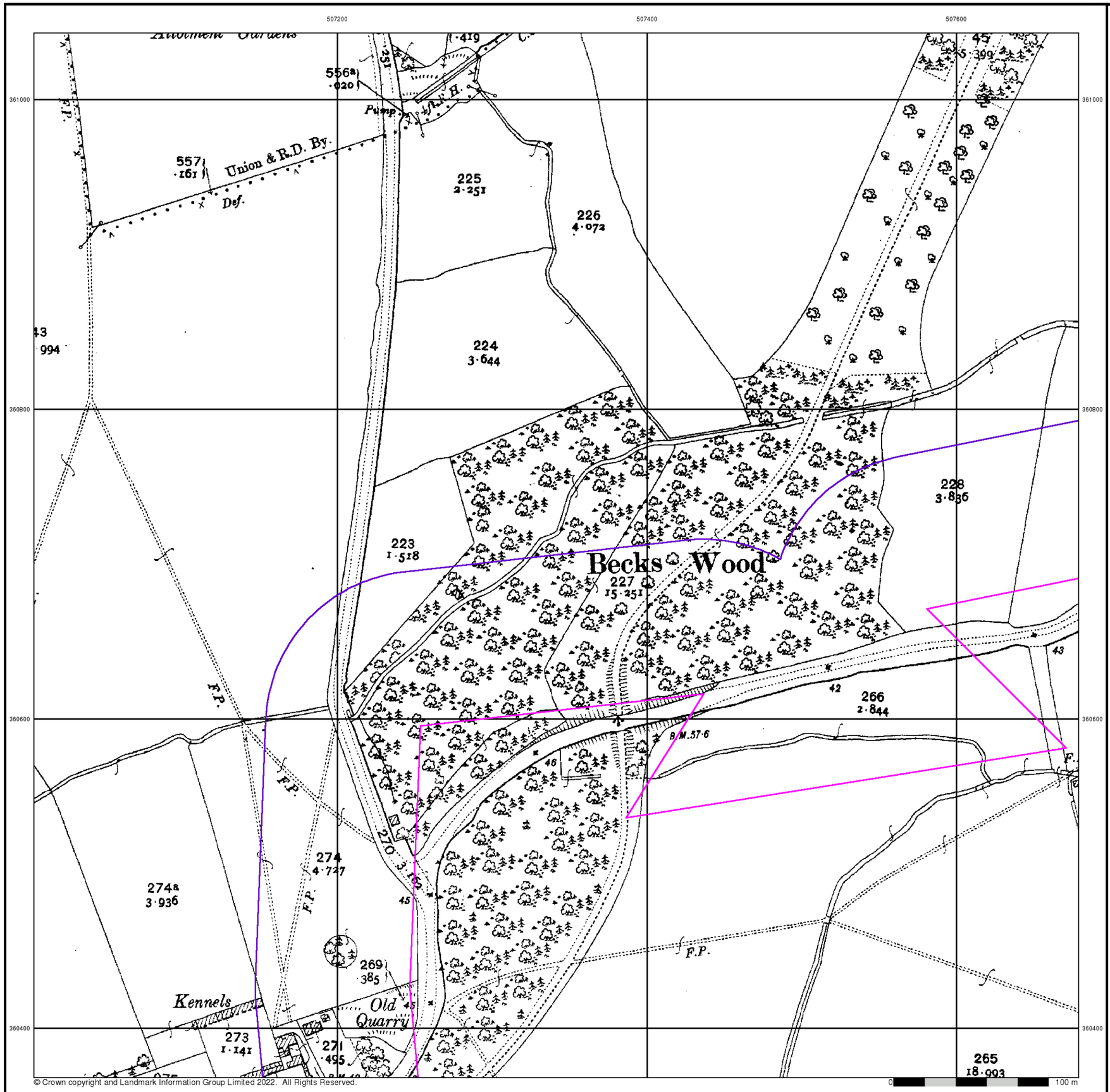

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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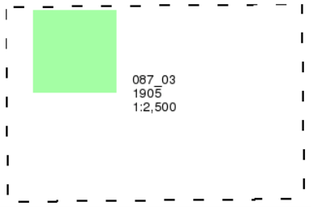
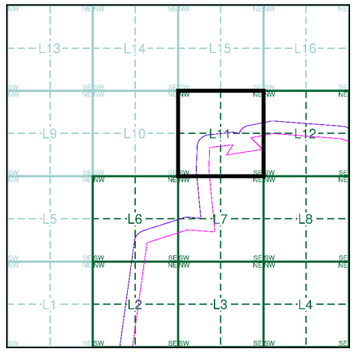


Historical Map - Segment L11



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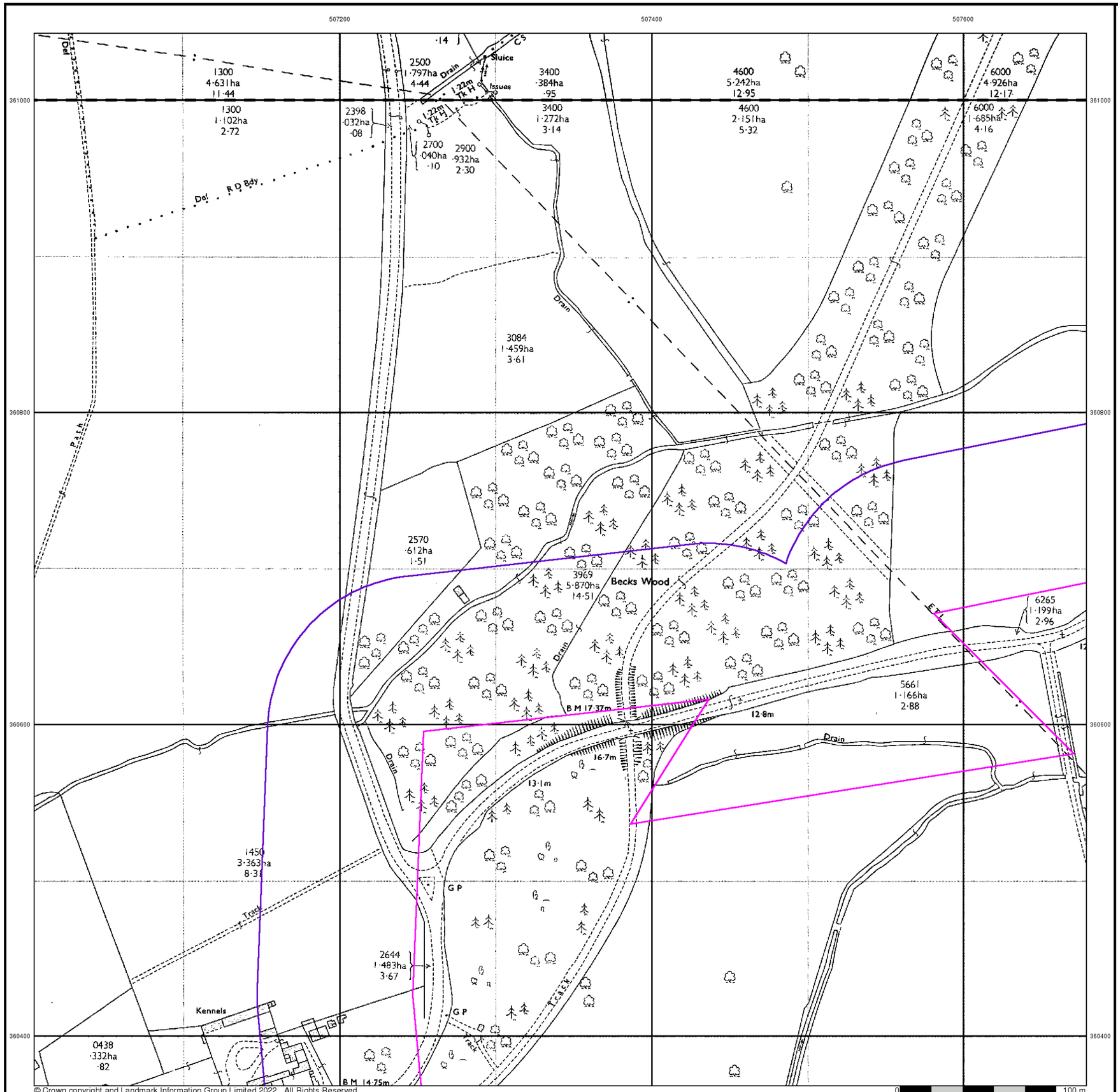

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Ordnance Survey Plan

Published 1973

Source map scale - 1:2,500

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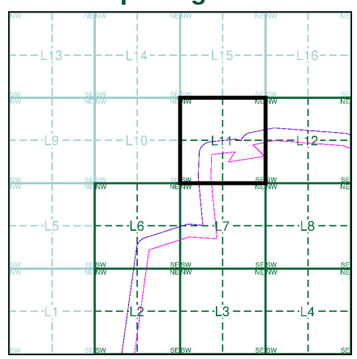
Map Name(s) and Date(s)

TF0761
1973
1:2,500

TF0760
1973
1:2,500

Historical Map - Segment L11



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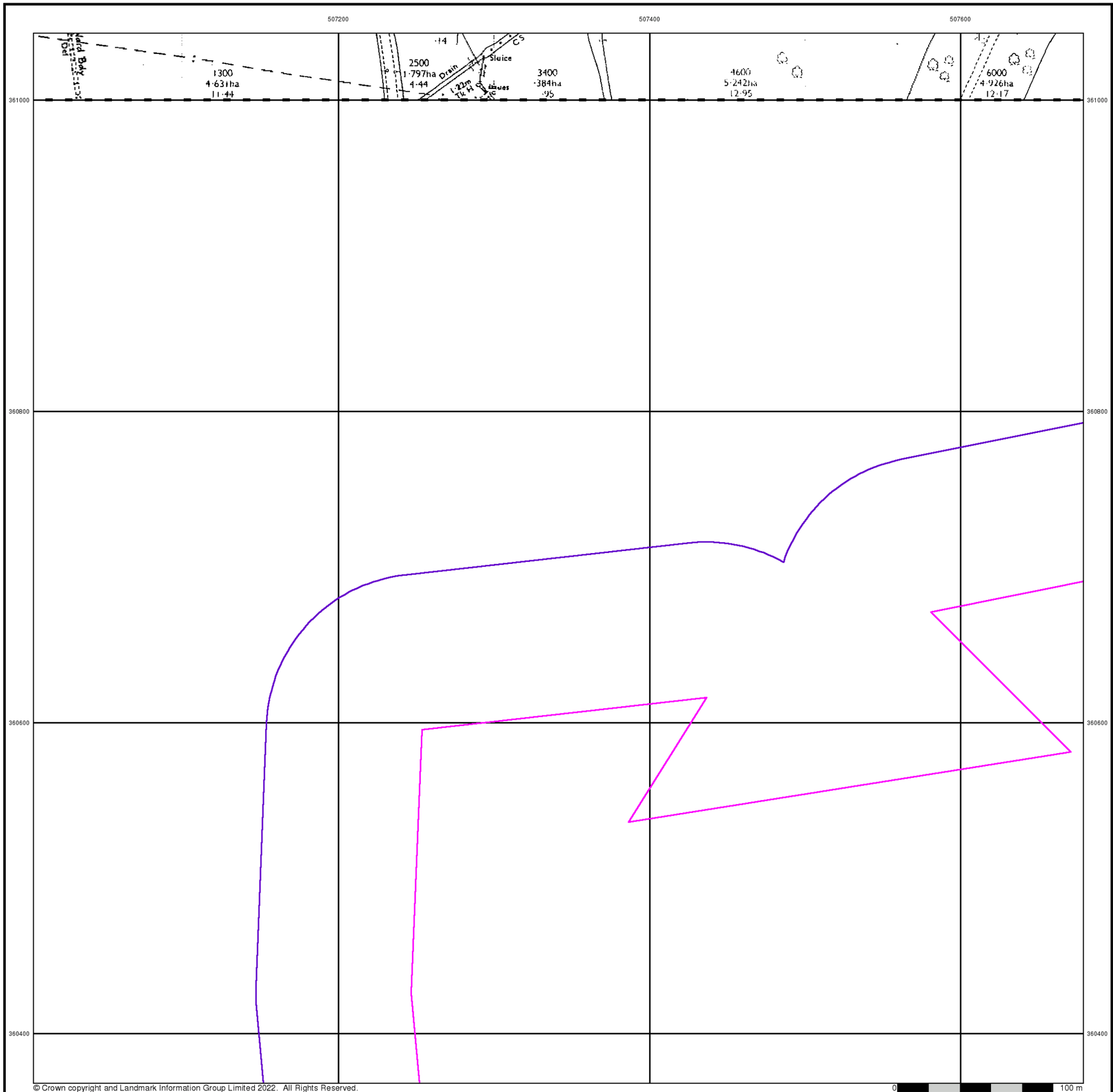

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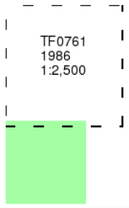
Additional SIMs

Published 1986

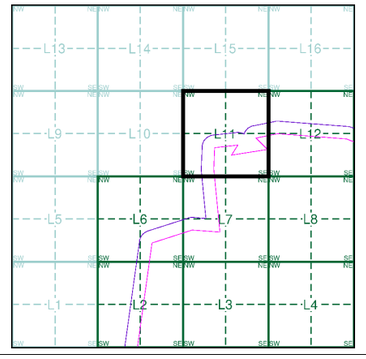
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment L11



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Additional SIMs

Published 1993

Source map scale - 1:2,500

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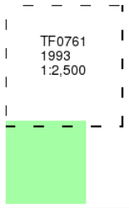
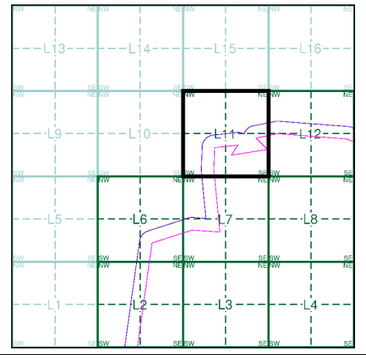
Map Name(s) and Date(s)



Historical Map - Segment L11



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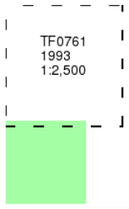
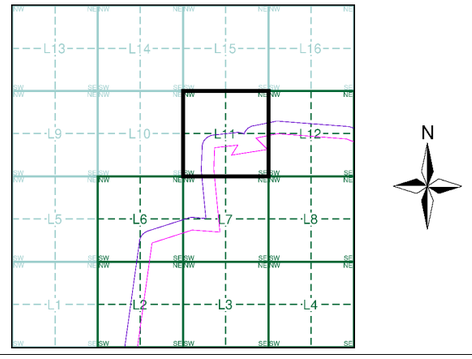


Historical Map - Segment L11



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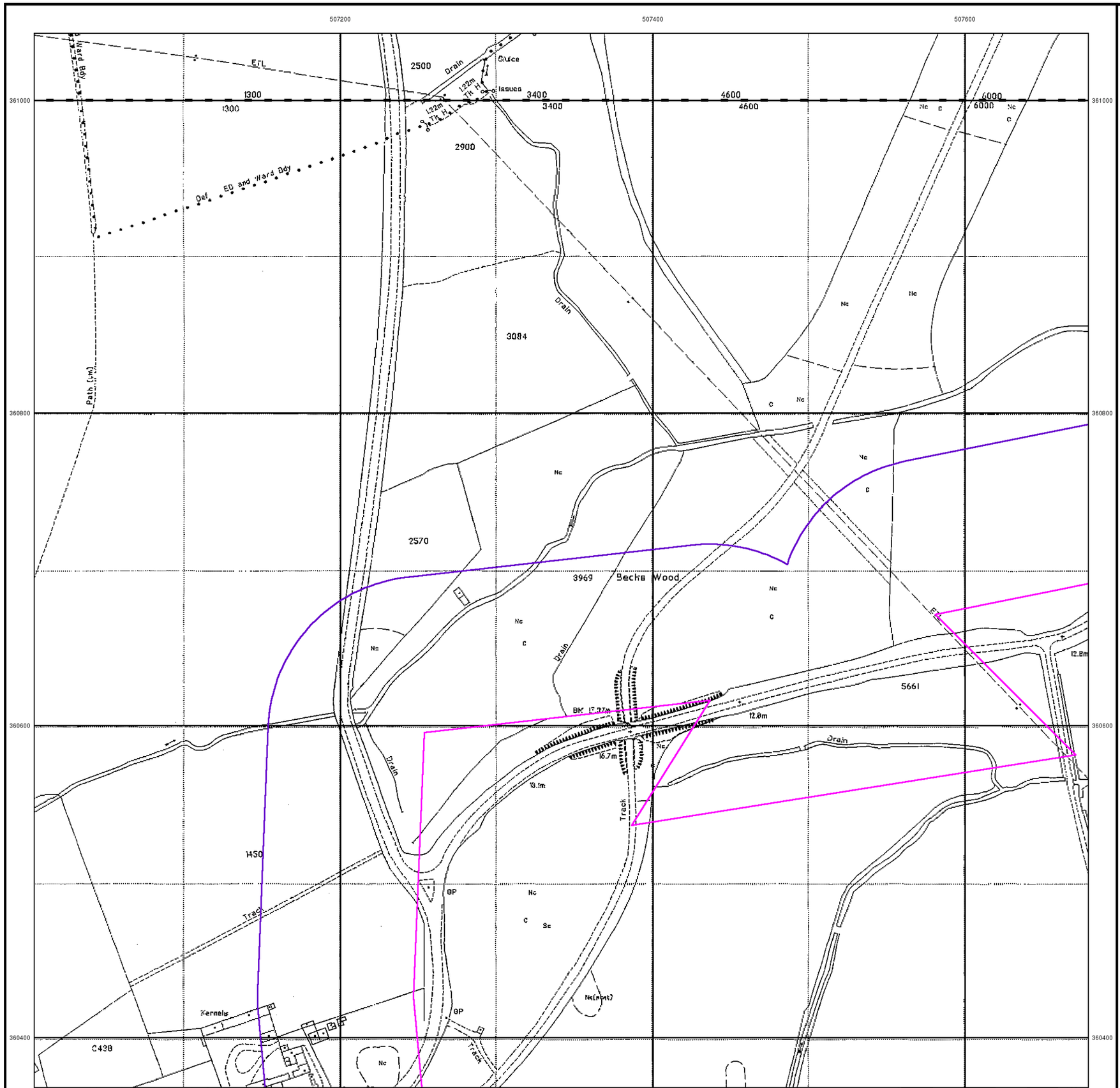

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Large-Scale National Grid Data

Published 1995

Source map scale - 1:2,500

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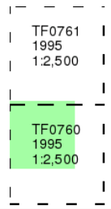
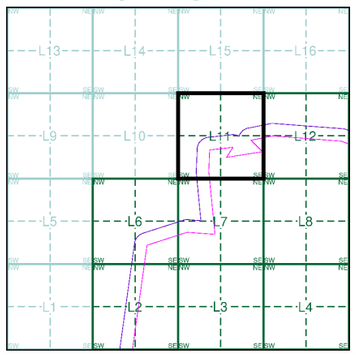
Map Name(s) and Date(s)



Historical Map - Segment L11



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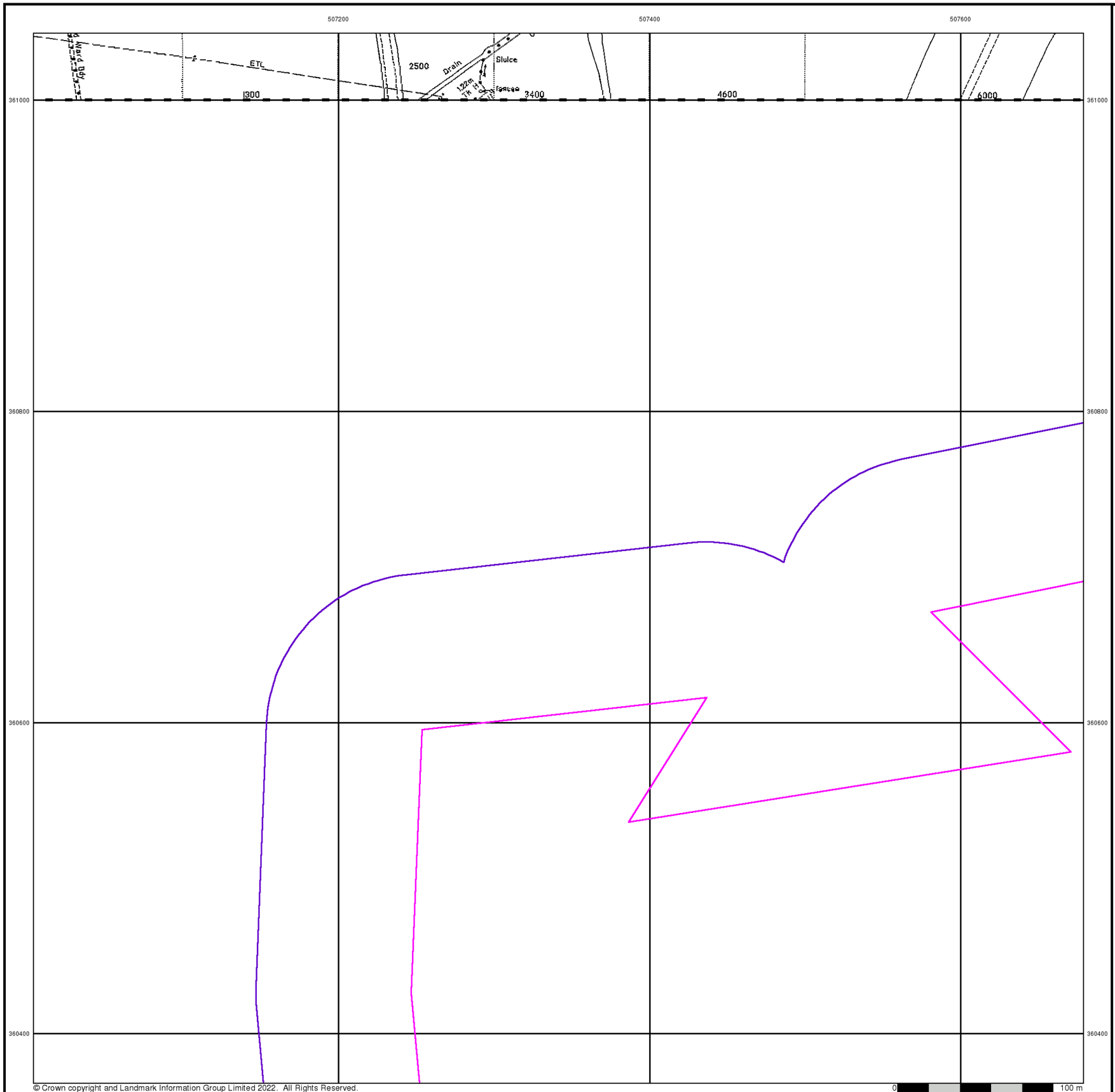

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Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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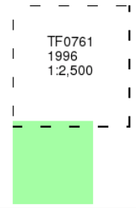
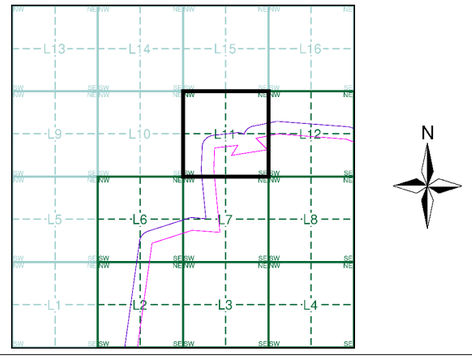


Historical Map - Segment L11



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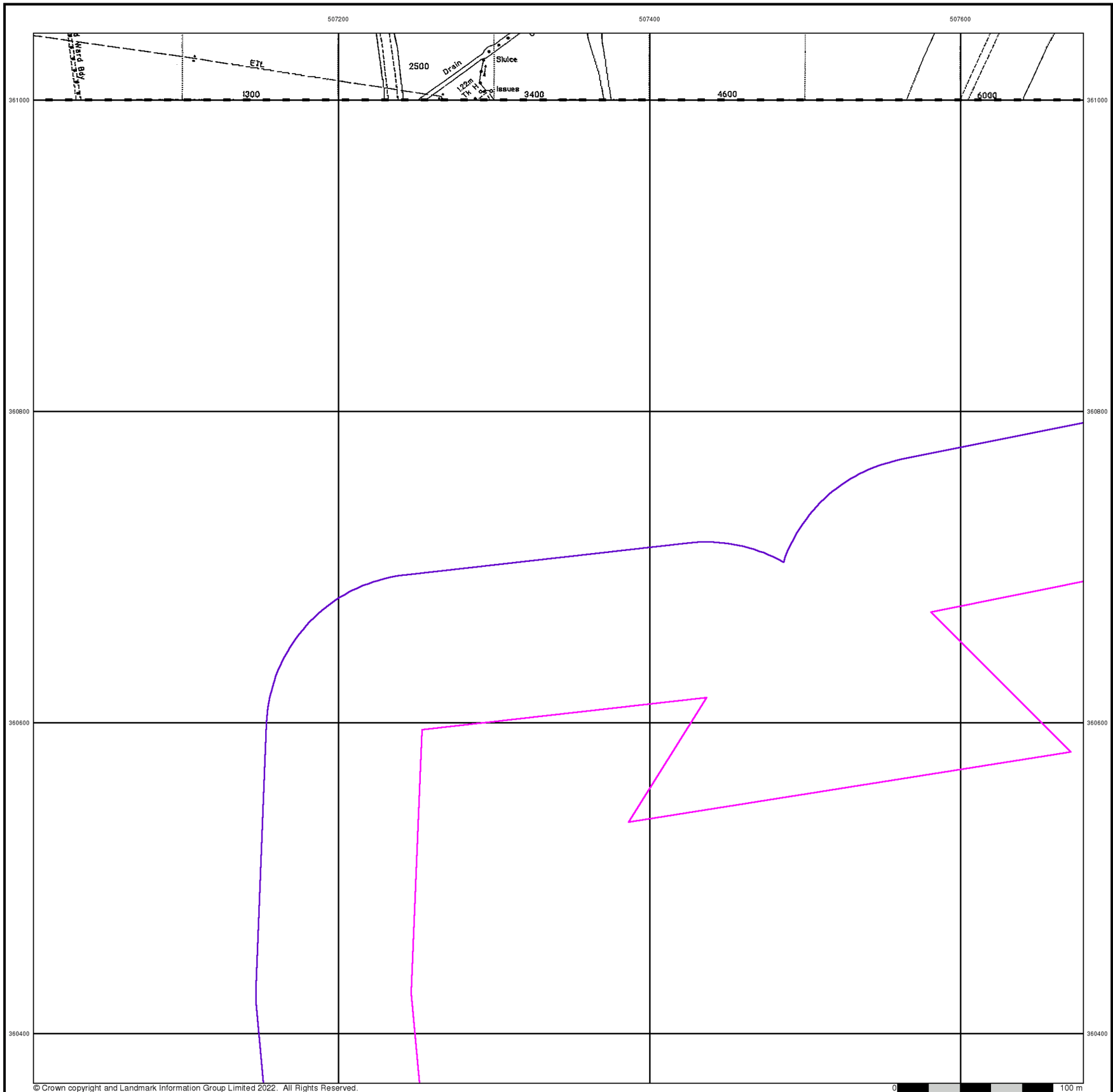

RSK

Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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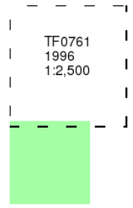

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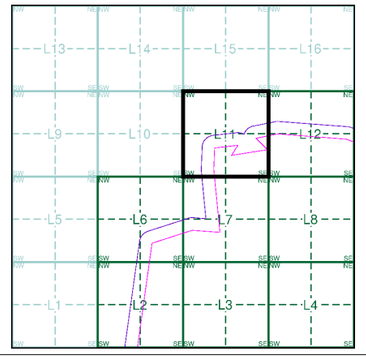

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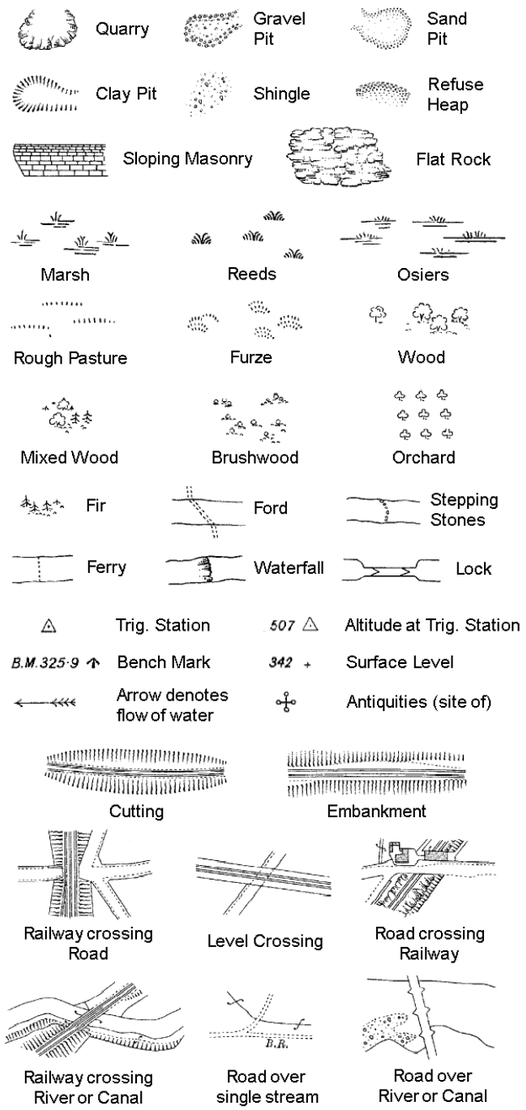
Historical Mapping Legends

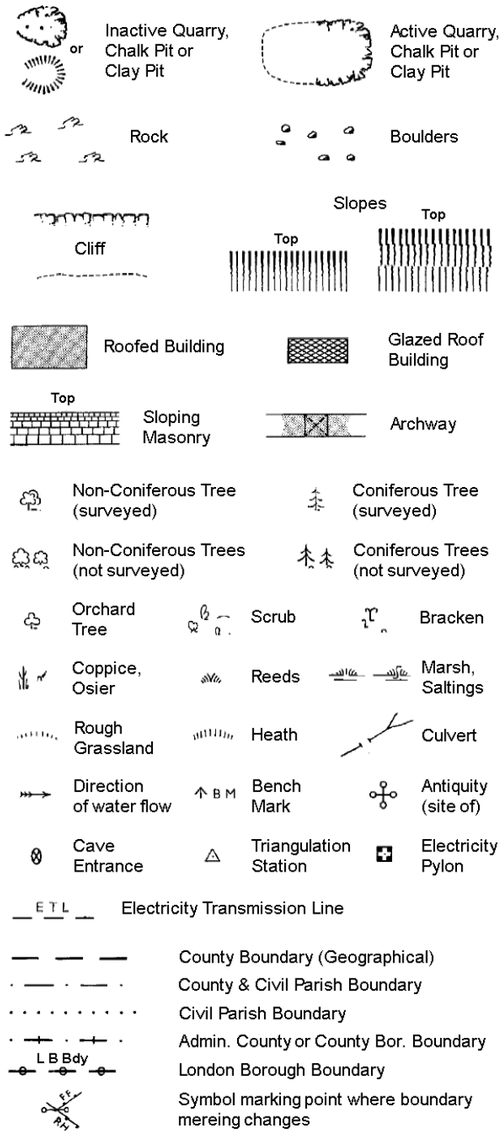
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

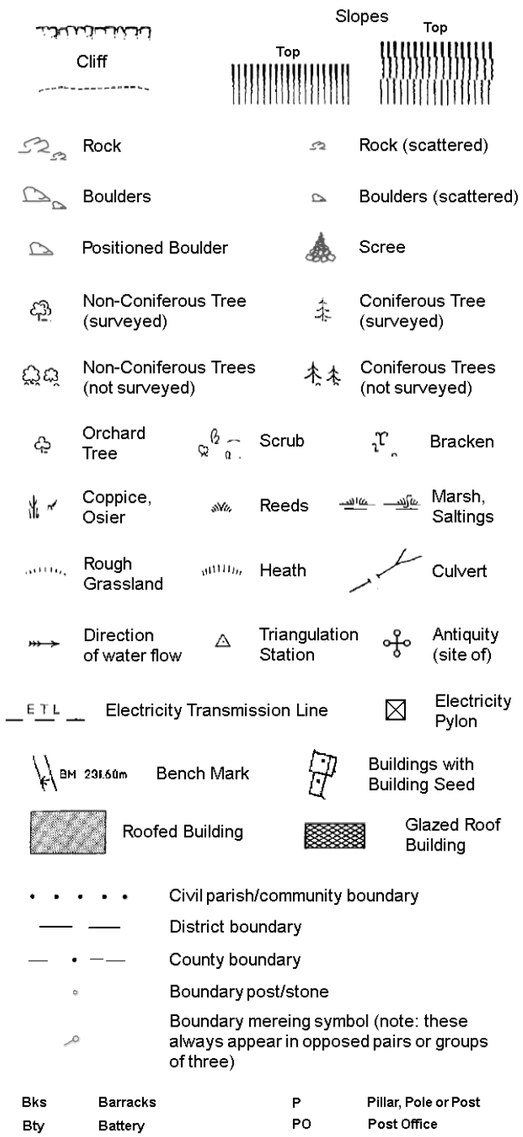
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

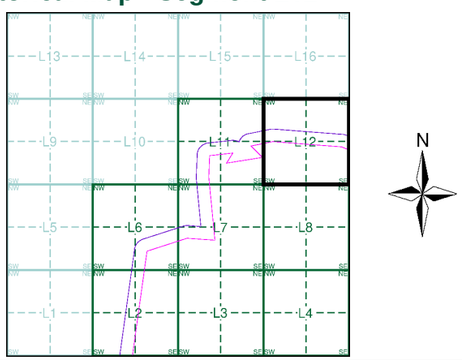
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973	4
Additional SIMs	1:2,500	1986	5
Additional SIMs	1:2,500	1993	6
Additional SIMs	1:2,500	1993	7
Large-Scale National Grid Data	1:2,500	1995	8
Large-Scale National Grid Data	1:2,500	1996	9
Large-Scale National Grid Data	1:2,500	1996	10

Historical Map - Segment L12



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 507180, 360220
Slice: L
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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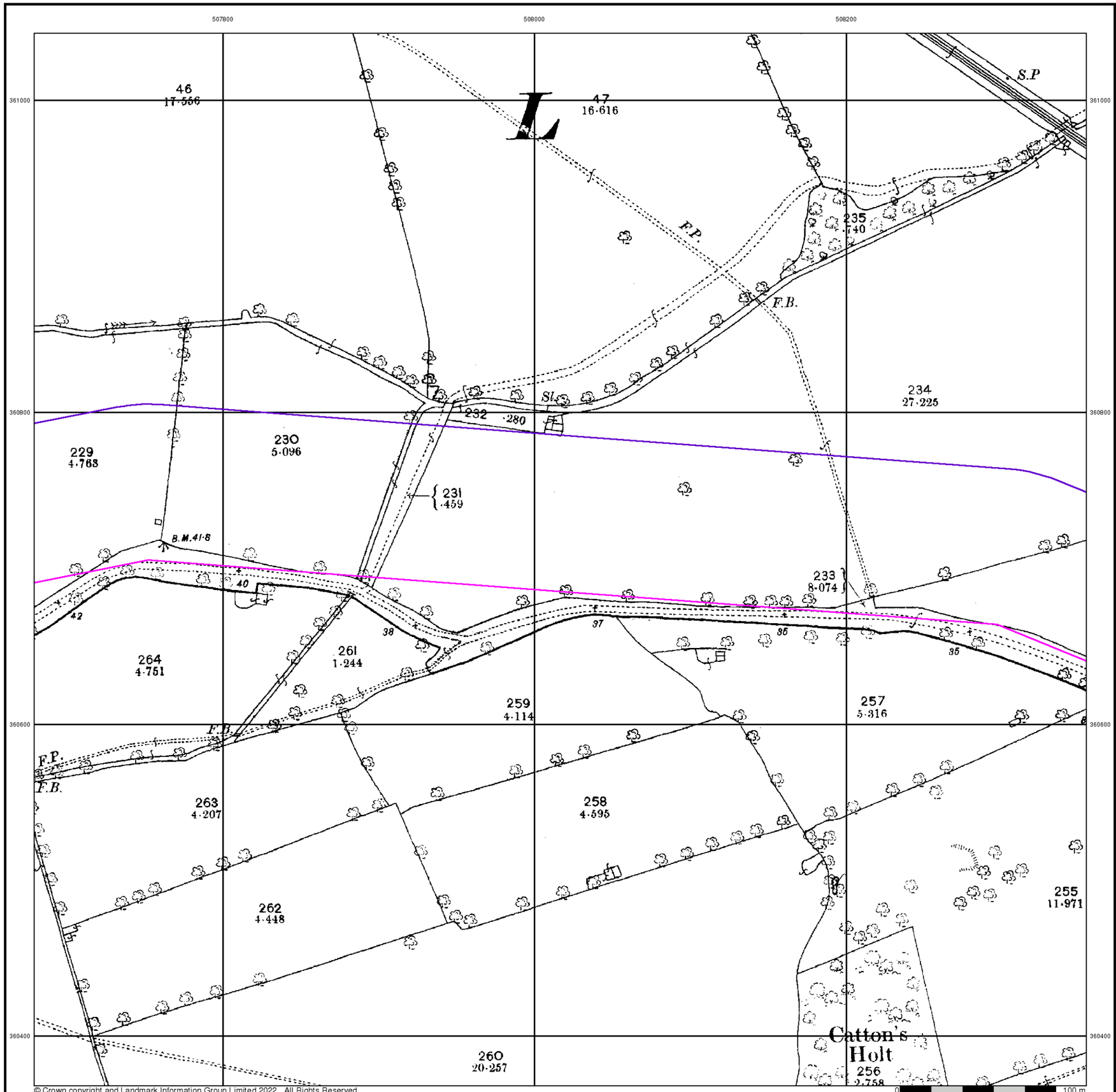
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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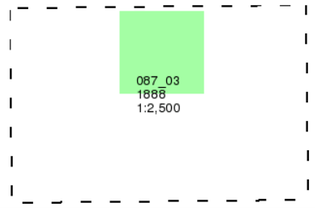
Lincolnshire

Published 1888

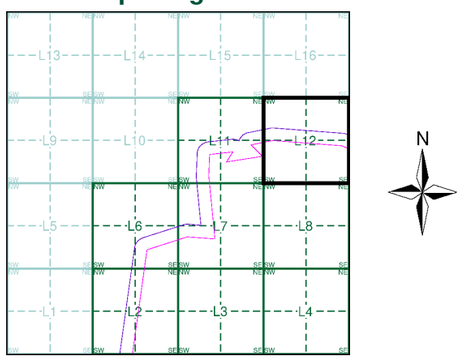
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment L12



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Customer Ref:	P02130089
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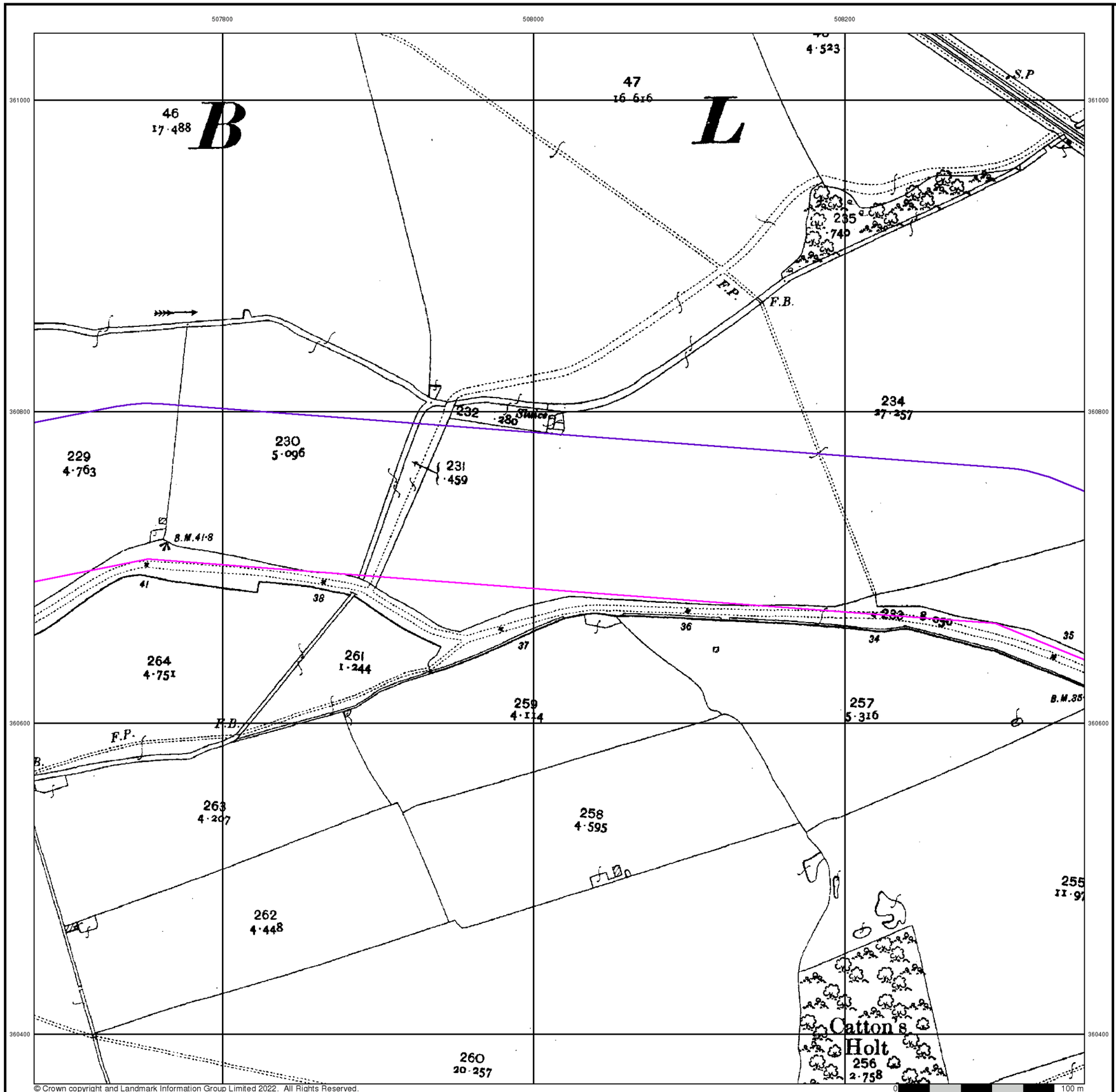

RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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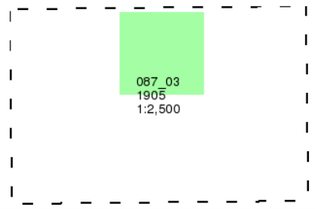
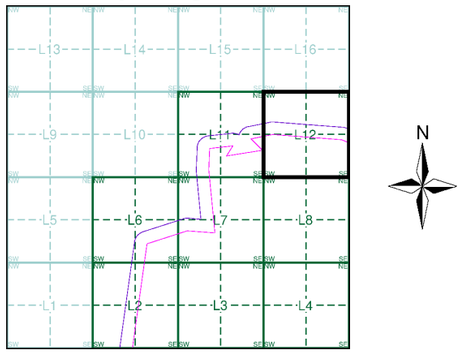


Historical Map - Segment L12



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Search Buffer (m):	100

Site Details

All Areas New

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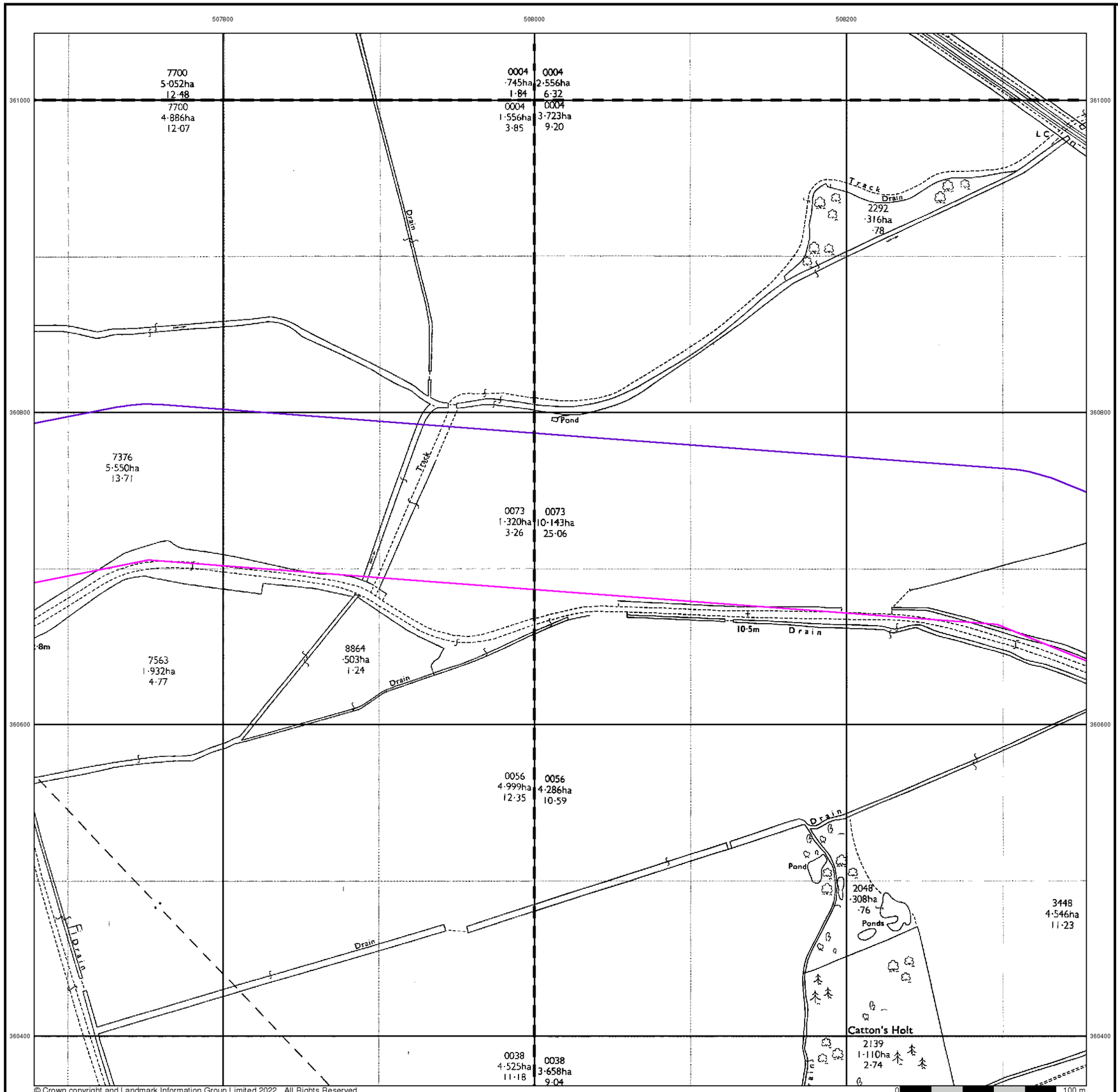

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RSK

Ordnance Survey Plan

Published 1973

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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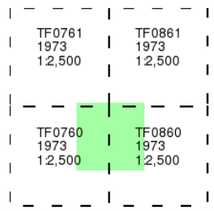
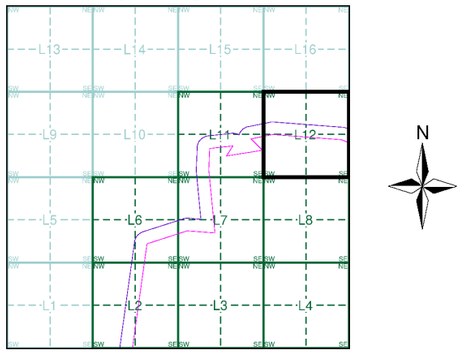


Historical Map - Segment L12



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Site Details

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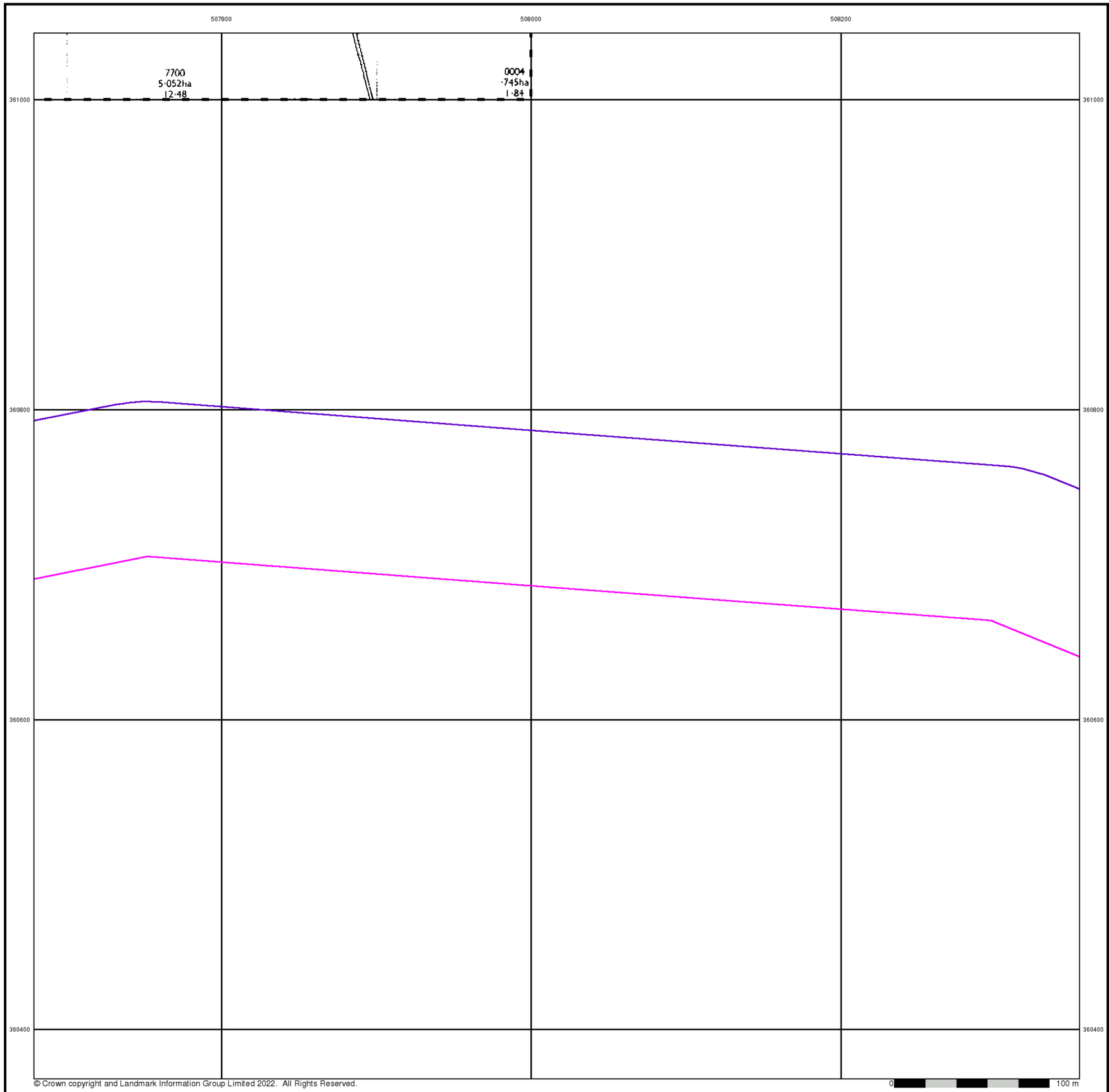

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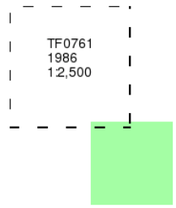
Additional SIMs

Published 1986

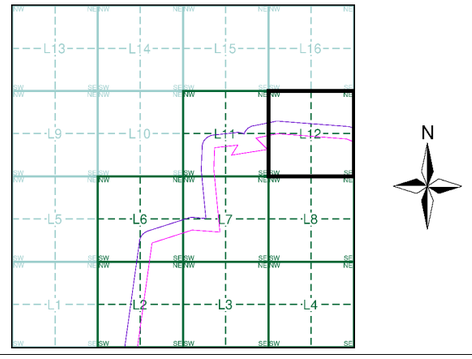
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment L12



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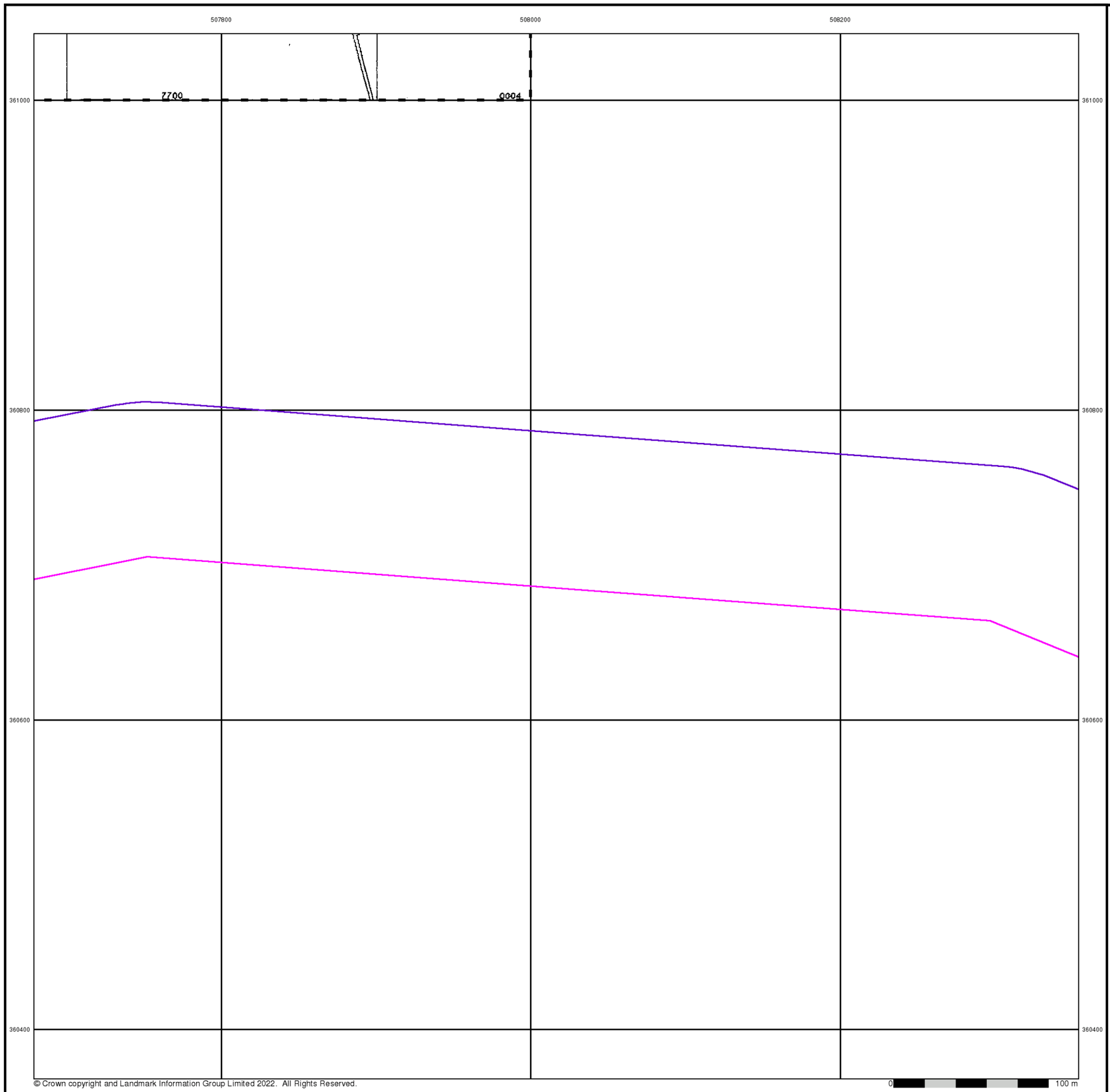

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Additional SIMs

Published 1993

Source map scale - 1:2,500

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

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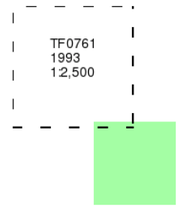

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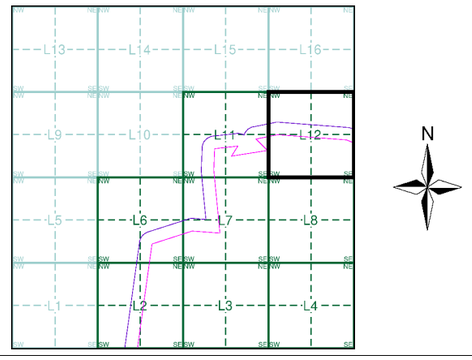

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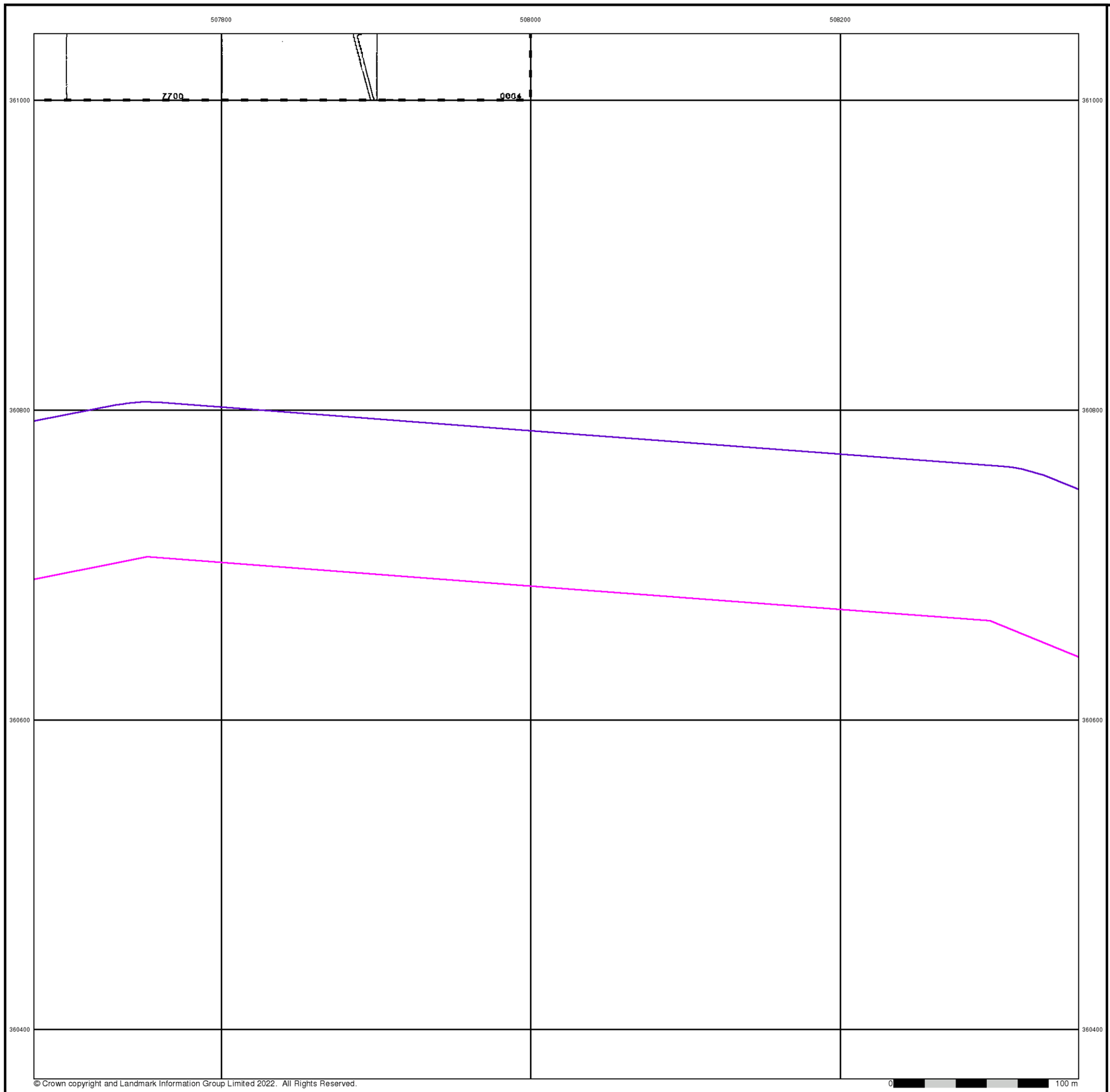

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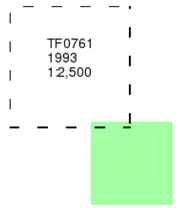

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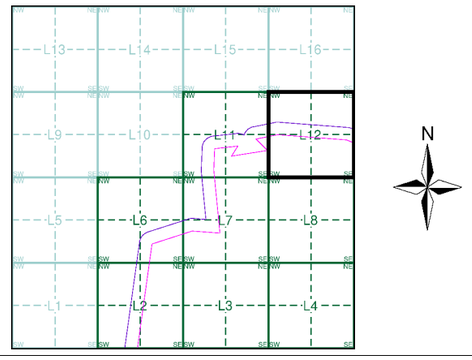

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All Areas New

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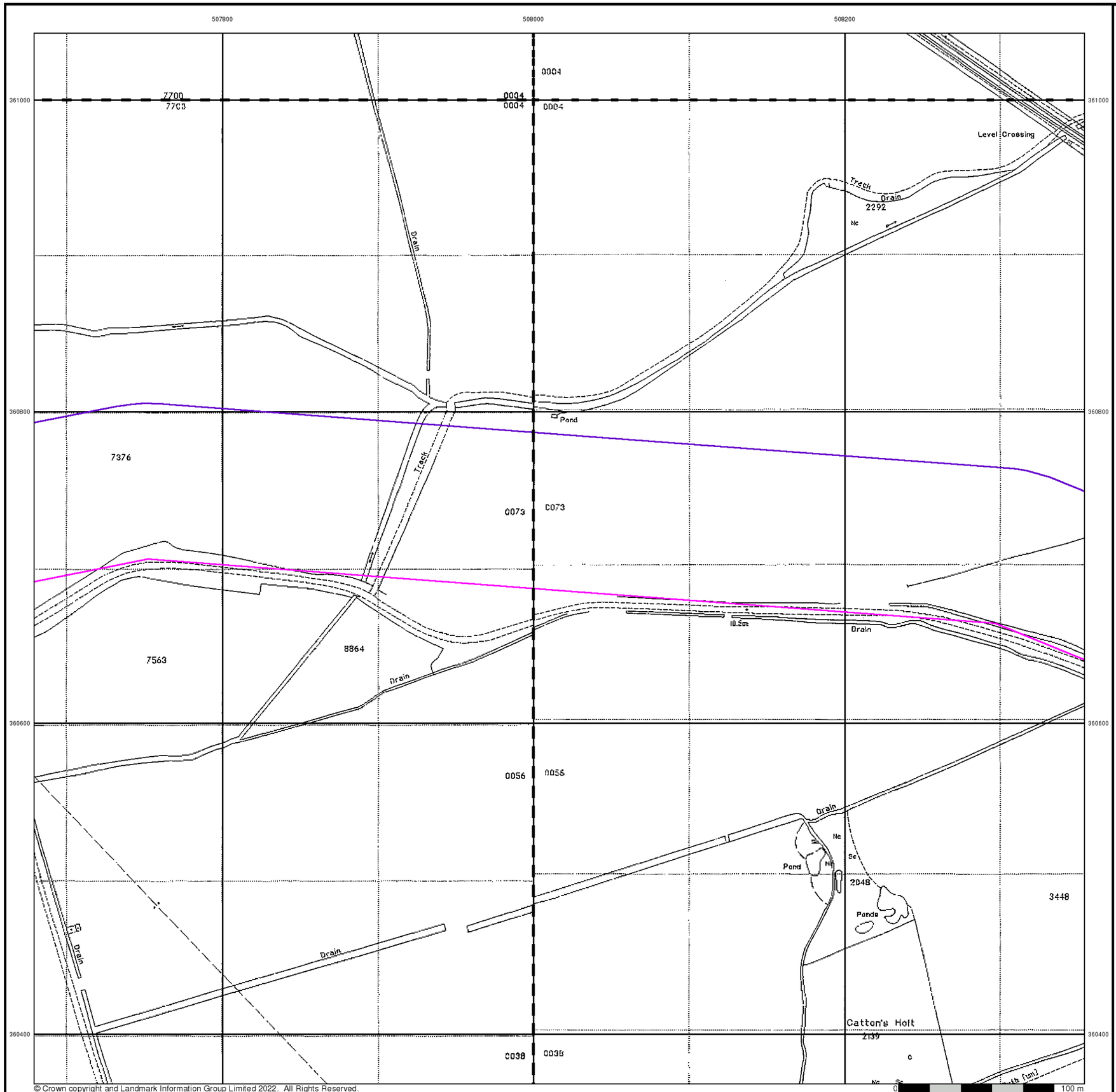

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RSK

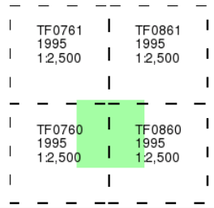
Large-Scale National Grid Data

Published 1995

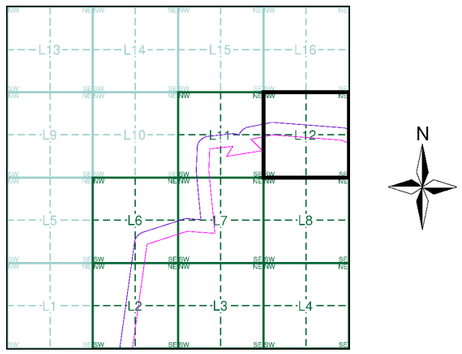
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment L12



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Site Area (Ha):	1774.17
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Site Details

All Areas New

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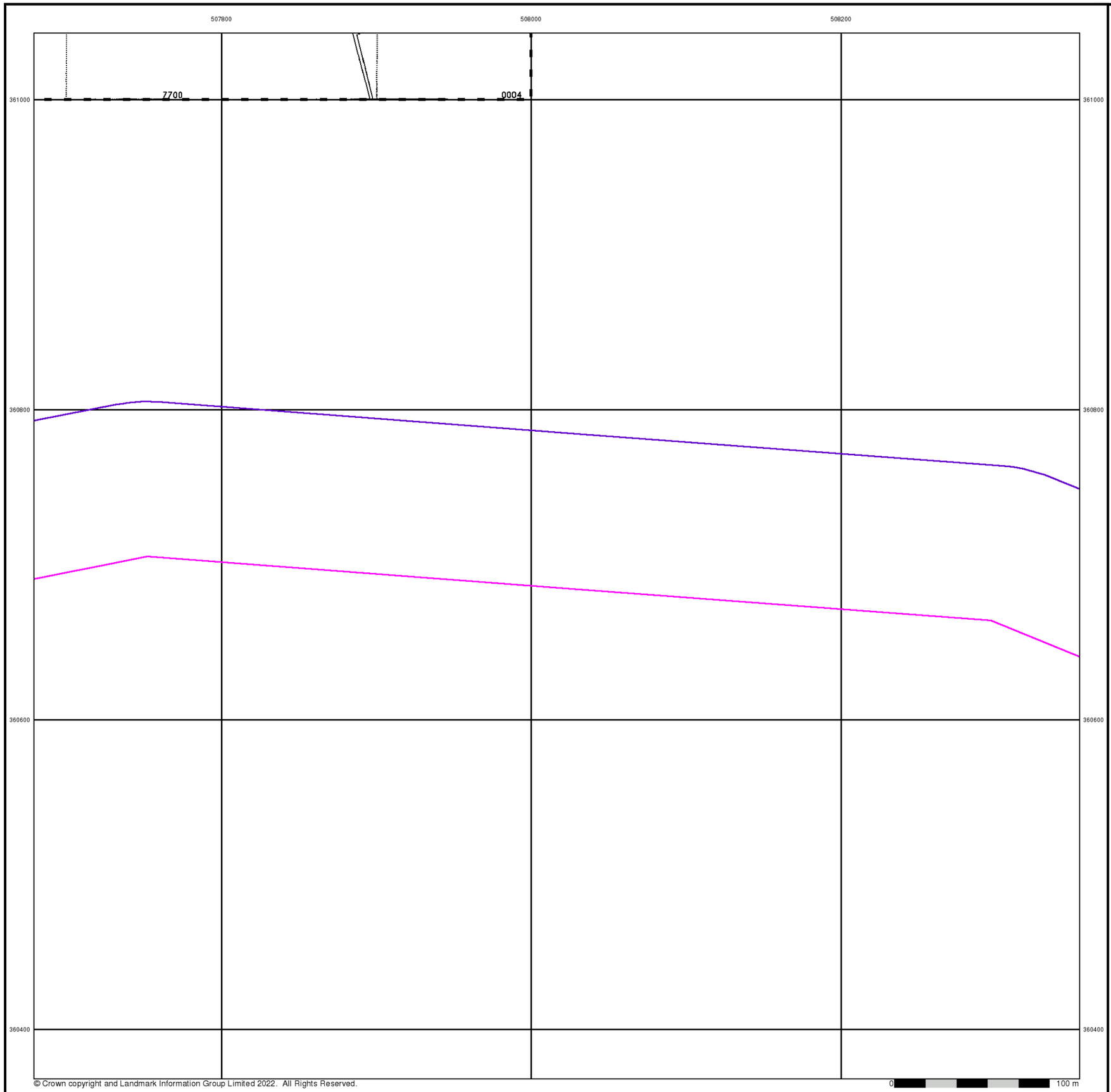

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RSK

Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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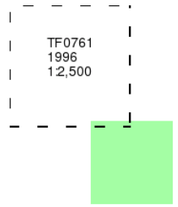
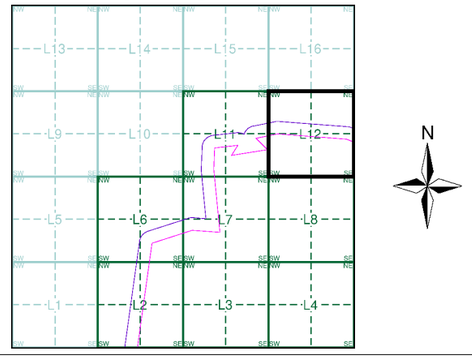


Historical Map - Segment L12



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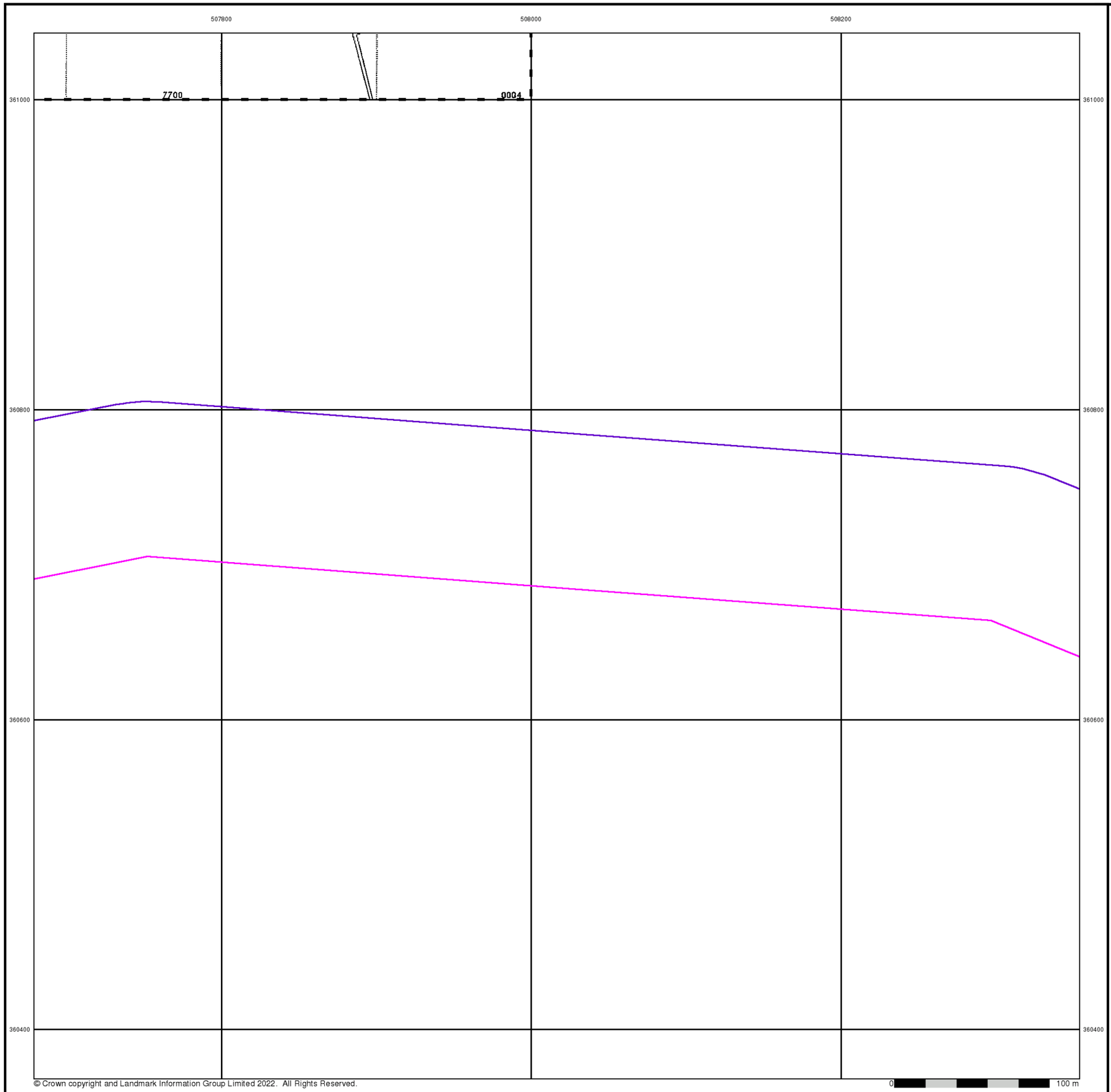

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RSK

Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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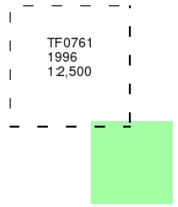
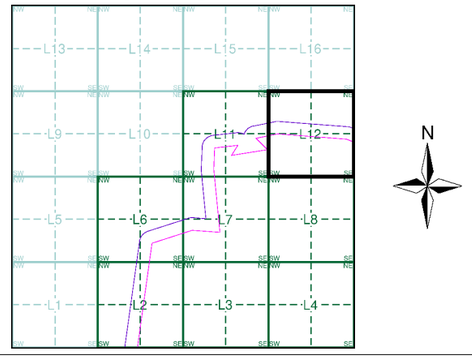


Historical Map - Segment L12



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National Grid Reference:	507180, 360220
Slice:	L
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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Web: www.envirocheck.co.uk

APPENDIX D13 ENVIRONMENTAL DATABASE REPORT – ZONE M

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
303381609_1_1

Customer Reference:
P02130089

National Grid Reference:
509180, 360170

Slice:
M

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Mr B Winch
RSK Environment Ltd
18 Frogmore Road
Hemel Hempstead
Hertfordshire
HP3 9RT

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	28
Hazardous Substances	-
Geological	29
Industrial Land Use	32
Sensitive Land Use	33
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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.
In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2	1		1	1
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature		Yes			
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3		2	1	(*10)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 12	6	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 12	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 13	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 13	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 13	42	39	5	43

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 28	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 29	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 29				1
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 29	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 29	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 31	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 31	Yes	n/a	n/a	n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Gas Pipelines	pg 32			1	
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 33	2			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508350 360100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	M5SW (SW)	0	1	508450 359800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	507800 359700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	508350 360550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508150 359850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508300 360168
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	508550 358600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508300 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	0	1	507700 359450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508200 358950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508200 358600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508300 359100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	1	507850 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507750 360168
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507850 359950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507850 359900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507700 360050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507700 360000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	0	1	507750 359950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(W)	0	1	507800 360168
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(W)	0	1	508000 360400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508500 358750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	508050 359600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	M6NW (E)	88	1	509200 360168
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	M6NE (E)	359	1	509400 360168
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	402	1	507900 361100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	405	1	508050 361100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	M10SW (N)	424	1	509350 360600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	M6SE (SE)	435	1	509500 360000
1	**Discharge Consents** Operator: British Railways Eastern Region Property Type: Not Supplied Location: Martin Lane Crossing Gatehouse. Martin Road, Blankney, Lincoln, Ln4 3be Authority: Environment Agency, Anglian Region Catchment Area: Not Supplied Reference: Pr3lfu437 Permit Version: 1 Effective Date: 8th January 1970 Issued Date: 8th January 1970 Revocation Date: 1st October 1996 Discharge Type: Unknown Discharge Environment: Onto Land Receiving Water: Land **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	M9SE (NW)	0	2	508900 360500
2	**Discharge Consents** Operator: Martin Moor Golf Club Ltd Property Type: SPORT, AMUSEMENT+RECREATION/GOLF CLUB/GYM/THEME PK/SPA Location: Martin Moor Golf Club Martin Moor, Blankney, Lincolnshire, Ln4 3be Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Prnnf18569 Permit Version: 1 Effective Date: 6th June 2006 Issued Date: 17th August 2006 Revocation Date: Not Supplied Discharge Type: Sewage And Trade Combined - Unspecified Discharge Environment: Freshwater Stream/River Receiving Water: Trib New Cut Drain **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	M10SW (N)	338	2	509230 360598
3	**Discharge Consents** Operator: Edward P G Scoley Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: C'Van Site & Museum Westmoor Farm, Martin Moor, Metheringham, Lincs, Ln4 3bq Authority: Environment Agency, Anglian Region Catchment Area: Mid River Witham / Delphs Reference: Prnnf12126 Permit Version: 1 Effective Date: 15th September 1997 Issued Date: 15th September 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Unnamed Ditch Tributary Queen **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	M3NE (SE)	941	2	510150 359500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	M5NE (NW)	0	-	508992 360261
4	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Unnamed Drain Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M9SE (NW)	50	2	508925 360555
4	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*S/0016 Permit Version: 100 Location: Unnamed Drain Blankney Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 1st September 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M9SE (NW)	51	2	508920 360560
5	**Water Abstractions** Operator: Blankney Estates Ltd Licence Number: 4/30/09/*s/153 Permit Version: Not Supplied Location: Blackney Beck, BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 1873000 Details: Status: Time Limit Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M13SW (NW)	406	2	508420 361050
	Water Abstractions Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M13NE (N)	1066	2	508875 361595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: Unnamed Drain , BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M13NE (N)	1070	2	508870 361600
	Water Abstractions Operator: W.Mair & Sons Licence Number: 4/30/09/*s/134 Permit Version: Not Supplied Location: Unamed Drain Lead To Car Dyke Authority: Environment Agency, Anglian Region Abstraction: Fill Etc Reservoir Transfer Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 32 Yearly Rate (m3): 960000 Details: Status: Time Limit Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M15NW (NE)	1618	2	510001 361696
	Water Abstractions Operator: D W Harrison Ltd Licence Number: 4/30/09/*S/0157 Permit Version: 101 Location: Drain Leading To Car Dyke Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 December Authorised End: 31 March Permit Start Date: 1st April 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	M15NW (NE)	1620	2	510000 361700
	Water Abstractions Operator: D W Harrison Ltd Licence Number: 4/30/09/*S/0157 Permit Version: 100 Location: Drain Leading To Car Dyke Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 December Authorised End: 31 March Permit Start Date: 1st September 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M15NW (NE)	1620	2	510000 361700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: W.Mair & Sons Licence Number: 4/30/09/*s/134 Permit Version: Not Supplied Location: Unamed Drain Lead To Car Dyke Authority: Environment Agency, Anglian Region Abstraction: Unspecified Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 68 Yearly Rate (m3): 1440000 Details: Status: Time Limit Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M15NW (NE)	1621	2	510001 361701
	Water Abstractions Operator: W.Mair & Sons Licence Number: 4/30/09/*s/134 Permit Version: Not Supplied Location: Car Dyke, METHERINGHAM Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 27 Yearly Rate (m3): 960000 Details: Status: Time Limit Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	M15NW (NE)	1621	2	510006 361696
	Water Abstractions Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: Blankney Beck , BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1768	2	509385 362215
	Water Abstractions Operator: Blankney Estates Ltd. Licence Number: 4/30/09/*s/016 Permit Version: Not Supplied Location: Blankney Beck , BLANKNEY Authority: Environment Agency, Anglian Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Stream Daily Rate (m3): 9 Yearly Rate (m3): 546000 Details: Status: Perpetuity Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1771	2	509380 362220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: W Mair & Sons Licence Number: 4/30/09/*S/0004 Permit Version: 100 Location: Carr Dyke Metheringham Barff Authority: Environment Agency, Anglian Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Status: Perpetuity Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 1st March 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1789	2	509500 362200
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	507862 360650
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	507623 359626
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	508000 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	508180 359000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	509212 359000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	508000 359964
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	508000 359113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	508078 359797
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	M6SW (S)	0	3	509177 360000
	Groundwater Vulnerability Map Combined Classification: Unproductive Aquifer (may have productive aquifer beneath) Combined Vulnerability: Unproductive Combined Aquifer: Unproductive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	507982 360000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	507690 360565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(NW)	0	3	508000 360667
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Unproductive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	M9NE (NW)	0	3	508752 360706
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	507981 359000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	509000 359000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: Low	M6SW (S)	0	3	509135 360000
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	507829 360000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	(W)	0	3	508000 360168
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: High	M5NE (W)	0	3	509000 360168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(S)	0	3	509177 359000
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: 40-70% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: High	M6NW (W)	0	3	509100 360145
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	507989 359683
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(W)	0	3	508000 360000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Principle Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	(SW)	0	3	508000 359653
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	M5SE (SW)	0	3	509000 360000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(W)	0	3	508000 360168
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	M5NE (W)	0	3	509000 360168
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(SW)	0	3	508000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(S)	0	3	509000 359000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	(W)	0	3	508000 360000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Problems Unlikely	M5SE (SW)	0	3	509000 360000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(W)	0	3	507623 359626
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	M6SW (S)	0	3	509177 360000
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(W)	0	3	508078 359797
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	(W)	0	3	507982 360000
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(W)	0	3	507989 359683
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	(W)	0	3	507829 360000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	M6SW (S)	0	3	509135 360000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	M6NW (W)	0	3	509100 360145
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	M9NE (NW)	0	3	508752 360706
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	M9NW (NW)	0	2	508547 361037
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	M6NW (W)	0	2	509072 360127
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	M9NW (NW)	0	2	508545 361040
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	M6NW (W)	0	2	509071 360126
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
6	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 492.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508697 360541
7	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508704 360540
8	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 121.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508825 360524
9	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508829 360524
10	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 81.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508910 360536

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 723.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M1SE (S)	0	4	509003 359232
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 215.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M1SE (S)	0	4	508734 359056
13	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 191.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	0	4	509272 359065
14	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 224.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1SW (SW)	0	4	508431 359257
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M1SE (S)	0	4	508748 359068
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 679.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M6SW (S)	0	4	509109 359723
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 289.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M1SE (S)	0	4	508994 359236
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 379.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1SW (SW)	0	4	508431 359257
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1SW (SW)	0	4	508434 359258

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 299.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1NW (SW)	0	4	508679 359429
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1NW (SW)	0	4	508679 359431
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 222.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1NE (SW)	0	4	508857 359565
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M1NW (SW)	0	4	508681 359431
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 347.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SW (SW)	0	4	508502 359718
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 297.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6SW (S)	0	4	509109 359723
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M1NE (SW)	0	4	508857 359581
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 263.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M5SE (SW)	0	4	508765 359828
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 181.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6SW (S)	0	4	509118 359856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 171.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SW (SW)	0	4	508491 359735
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SW (SW)	0	4	508497 359726
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 165.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SE (SW)	0	4	508760 359839
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M5SE (SW)	0	4	508760 359839
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SE (SW)	0	4	508727 359932
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 368.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (SW)	0	4	509069 360068
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 185.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5SE (W)	0	4	508706 359989
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 153.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NW (W)	0	4	508661 360106
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 208.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (W)	0	4	509052 360137

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 45.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NW (W)	0	4	508661 360106
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 107.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NE (W)	0	4	508747 360183
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 259.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NW (W)	0	4	508646 360149
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M5NE (NW)	0	4	509026 360271
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 261.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M9SW (NW)	0	4	508528 360455
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 251.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	0	4	508911 360517
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 249.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M9SW (NW)	0	4	508370 360619
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 214.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SW (NW)	0	4	508370 360619
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SW (NW)	0	4	508373 360619

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	0	4	509304 359077
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 470.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6SW (S)	7	4	509118 359856
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NE (NW)	9	4	509026 360271
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 420.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2NE (SE)	11	4	509514 359582
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 173.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2NW (S)	11	4	509222 359397
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NE (NW)	11	4	509023 360282
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 235.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M5NE (NW)	12	4	509019 360291
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 136.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	15	4	509260 359228
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 845.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2NE (SE)	15	4	509638 359546

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	16	4	508921 360520
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	20	4	509293 359096
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 217.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M6NW (SW)	21	4	509069 360068
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	21	4	509295 359091
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	25	4	508916 360538
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	25	4	508926 360506
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	25	4	508924 360510
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	26	4	508921 360520
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 193.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SW (N)	26	4	509109 360564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	27	4	509304 359077
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	30	4	508917 360534
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	31	4	508917 360536
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 557.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9SE (NW)	31	4	508917 360536
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 240.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SW (S)	32	4	509324 359044
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	40	4	509412 359065
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 129.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SW (N)	41	4	509053 360570
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 78.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6SW (S)	44	4	509192 359880
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 598.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6SW (SE)	121	4	509308 359927

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 269.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (S)	121	4	509180 360149
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	129	4	509401 359116
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	130	4	509404 359120
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	130	4	509411 359066
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 136.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	130	4	509432 359069
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 373.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M2SE (S)	134	4	509535 359184
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (S)	140	4	509180 360154
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 157.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (E)	141	4	509180 360168
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (N)	150	4	509164 360309

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (N)	152	4	509162 360319
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 495.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M6NW (N)	162	4	509154 360357
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 212.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M6NW (N)	162	4	509154 360357
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 294.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SW (N)	214	4	509109 360564
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 638.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9NE (NW)	251	4	508773 360896
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 205.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M9NW (NW)	289	4	508379 361000
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M13SW (NW)	454	4	508461 361087
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 410.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M13SW (NW)	460	4	508459 361094
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 44.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SW (SE)	498	4	509750 359249

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 72.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	503	4	509393 360640
93	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 89.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	542	4	509505 360505
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SW (SE)	543	4	509793 359257
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 262.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SW (SE)	549	4	509799 359258
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 197.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M6SE (SE)	560	4	509650 359905
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M14SW (N)	562	4	509056 361056
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M14SW (N)	569	4	509065 361060
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M14SW (N)	572	4	509068 361062
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 47.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	575	4	509462 360665

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M14SW (N)	591	4	509063 361083
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 524.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M14SW (N)	596	4	509062 361088
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10NE (NE)	610	4	509479 360708
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	622	4	509594 360504
105	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 8.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	637	4	509606 360513
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	645	4	509613 360518
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	650	4	509617 360521
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	650	4	509631 360488
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M10SE (NE)	653	4	509620 360522

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 399.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10NE (NE)	654	4	509509 360746
111	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	655	4	509636 360490
112	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 190.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	659	4	509625 360526
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M10SE (NE)	659	4	509642 360491
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 262.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7SW (SE)	672	4	509818 359768
115	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 300.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7NW (E)	697	4	509747 360086
116	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 74.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M7NW (E)	697	4	509747 360086
117	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 195.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7NW (E)	698	4	509721 360321
118	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 697.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M13NE (N)	761	4	508710 361499

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SE (SE)	775	4	510073 359053
120	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SE (SE)	778	4	510076 359050
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SE (SE)	782	4	510086 359019
122	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 278.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	(SE)	783	4	510089 359012
123	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 162.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M13NW (NW)	788	4	508419 361462
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 151.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M13NW (NW)	809	4	508572 361485
125	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SE (SE)	811	4	510055 359313
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 158.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M3SE (SE)	817	4	510062 359315
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 390.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 1	M13NW (NW)	818	4	508415 361473

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 218.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7NW (E)	870	4	509917 360126
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 393.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M11SW (E)	887	4	509896 360426
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7SW (E)	922	4	510025 359936
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 452.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7SW (E)	923	4	510025 359936
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 119.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M7SW (E)	927	4	510040 359909
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M14NW (N)	979	4	509341 361387
134	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 312.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Witham Primacy: 2	M14NW (N)	983	4	509322 361402

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: North Kesteven District Council - Had landfill data but passed it to the relevant environment agency		0	5	509177 360168
	Local Authority Landfill Coverage Name: Lincolnshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	509177 360168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Great Oolite Group	M5SW (W)	0	1	508386 359888
	BGS 1:625,000 Solid Geology Description: Kellaways Formation And Oxford Clay Formation (Undifferentiated)	M6NW (W)	0	1	509177 360168
135	**BGS Recorded Mineral Sites** Site Name: Metheringham Moor Gravel Pit Location: Metheringham, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 133760 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cromerian - Ipswichian Geology: Till, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	M14NW (N)	944	1	509144 361427
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509100 360145
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509135 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	41	1	509177 360168
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (NE)	120	1	509205 360186
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509100 360145
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509135 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	M6NE (E)	0	1	509438 360246
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	41	1	509177 360168
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509075 360168
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (5 to 10% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	M6SW (SW)	0	1	509075 360001
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360001
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509200 359976
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509200 360001
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509075 360168
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	M6SW (SW)	0	1	509075 360001
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360001
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509200 359976
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509200 360001
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	**Gas Pipelines** Name: HATTON TO SILK WILLOUGHBY Nat Grid: Owned By National Grid Diameter (mm): 1200 Building Proximity Distance (m): Not Supplied Status: Active Pipe Length (m): 40424.4 Pipe Number: Not Supplied	M6SE (E)	359	7	509671 359971

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	**Nitrate Vulnerable Zones** Name: Lower Witham Nvz Description: Surface Water Source: Environment Agency, Head Office	M6NW (W)	0	3	509177 360168
138	**Nitrate Vulnerable Zones** Name: Lincolnshire Limestone Description: Groundwater Source: Environment Agency, Head Office	M6NW (W)	0	3	509100 360145

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office North Kesteven District Council - Environmental Health Department	 June 2020 October 2017	 Annually Annual Rolling Update
Discharge Consents Environment Agency - Anglian Region	 October 2022	 Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region	 March 2013	
Integrated Pollution Controls Environment Agency - Anglian Region	 January 2009	
Integrated Pollution Prevention And Control Environment Agency - Anglian Region	 July 2022	 Quarterly
Local Authority Integrated Pollution Prevention And Control North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Local Authority Pollution Prevention and Controls North Kesteven District Council - Environmental Health Department	 May 2014	 Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements North Kesteven District Council - Environmental Health Department	 May 2014	 Variable
Nearest Surface Water Feature Ordnance Survey	 August 2022	
Pollution Incidents to Controlled Waters Environment Agency - Anglian Region	 September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - Anglian Region	 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region	 March 2013	
Registered Radioactive Substances Environment Agency - Anglian Region	 June 2016	 As notified
River Quality Environment Agency - Head Office	 November 2001	 Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	 April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	 April 2012	
Substantiated Pollution Incident Register Environment Agency - Anglian Region - Northern Area	 July 2022	 Quarterly
Water Abstractions Environment Agency - Anglian Region	 October 2022	 Quarterly
Water Industry Act Referrals Environment Agency - Anglian Region	 October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	 June 2018	 As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	 June 2018	 As notified
Bedrock Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Superficial Aquifer Designations Environment Agency - Head Office	 January 2018	 Annually
Source Protection Zones Environment Agency - Head Office	 September 2022	 Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	 August 2022	 Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area	October 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area	July 2022	Quarterly
Local Authority Landfill Coverage Lincolnshire County Council North Kesteven District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Lincolnshire County Council North Kesteven District Council - Environmental Health Department	October 2018 October 2018	
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2010 October 2015	Variable Variable
Planning Hazardous Substance Consents Lincolnshire County Council - Highways and Planning Department North Kesteven District Council - Planning Department	August 2007 October 2015	Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	October 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	August 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Unadopted Green Belt North Kesteven District Council	July 2022	Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

Data Suppliers

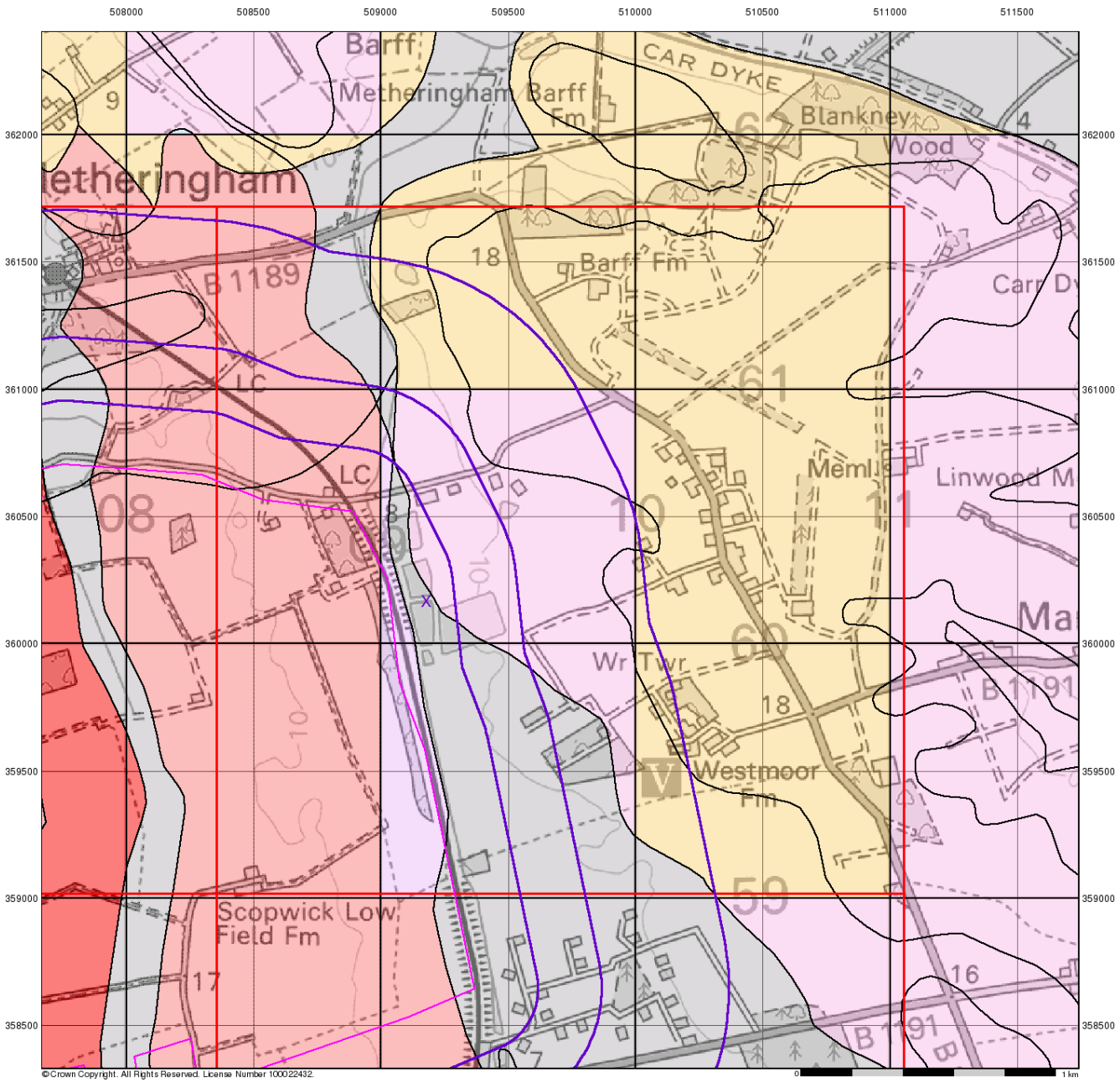
A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**North Kesteven District Council - Environmental Health Department** District Council Offices, Kesteven Street, Sleaford, Lincolnshire, NG34 7EF	Telephone: 01529 414155 Fax: 01529 413956 Website: www.n-kesteven.gov.uk
6	**Lincolnshire County Council** 4th Floor, City Hall, Lincoln, Lincolnshire, LN1 1DN	Telephone: 01522 552222 Fax: 01522 552288 Email: PublicRelations@lincolnshire.gov.uk Website: www.lincolnshire.gov.uk
7	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9966 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.co.uk
8	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.



Groundwater Vulnerability

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

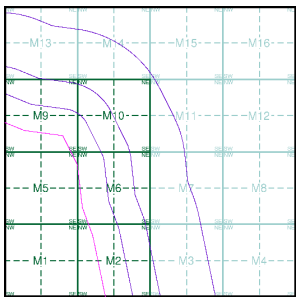
Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice M



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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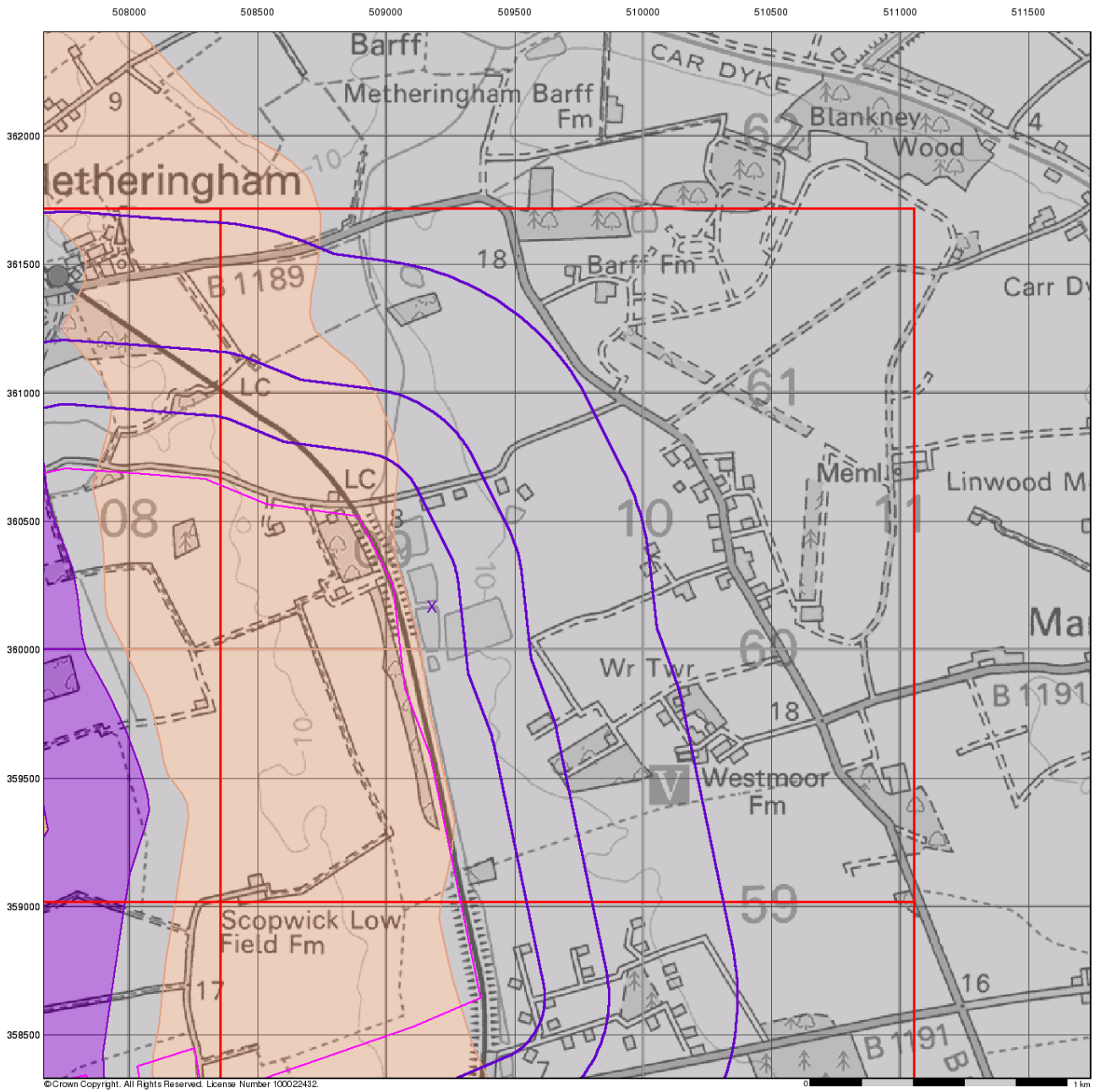
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

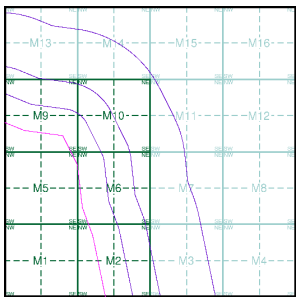
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice M



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Site Details

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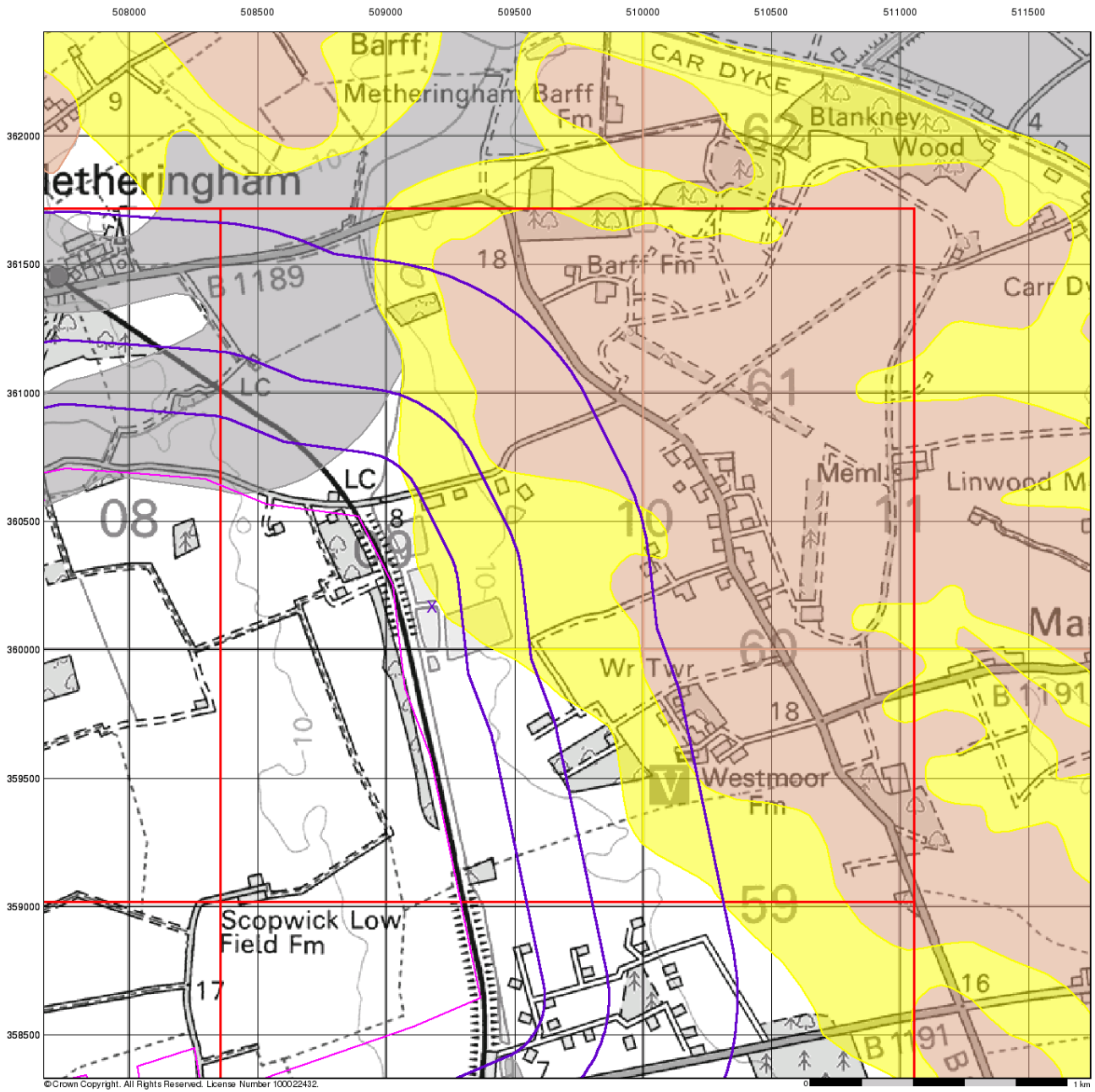


Superficial Aquifer Designation

General

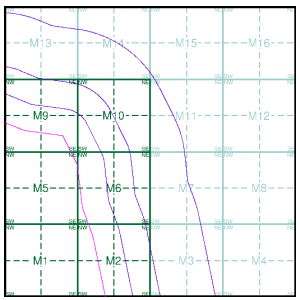
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice M



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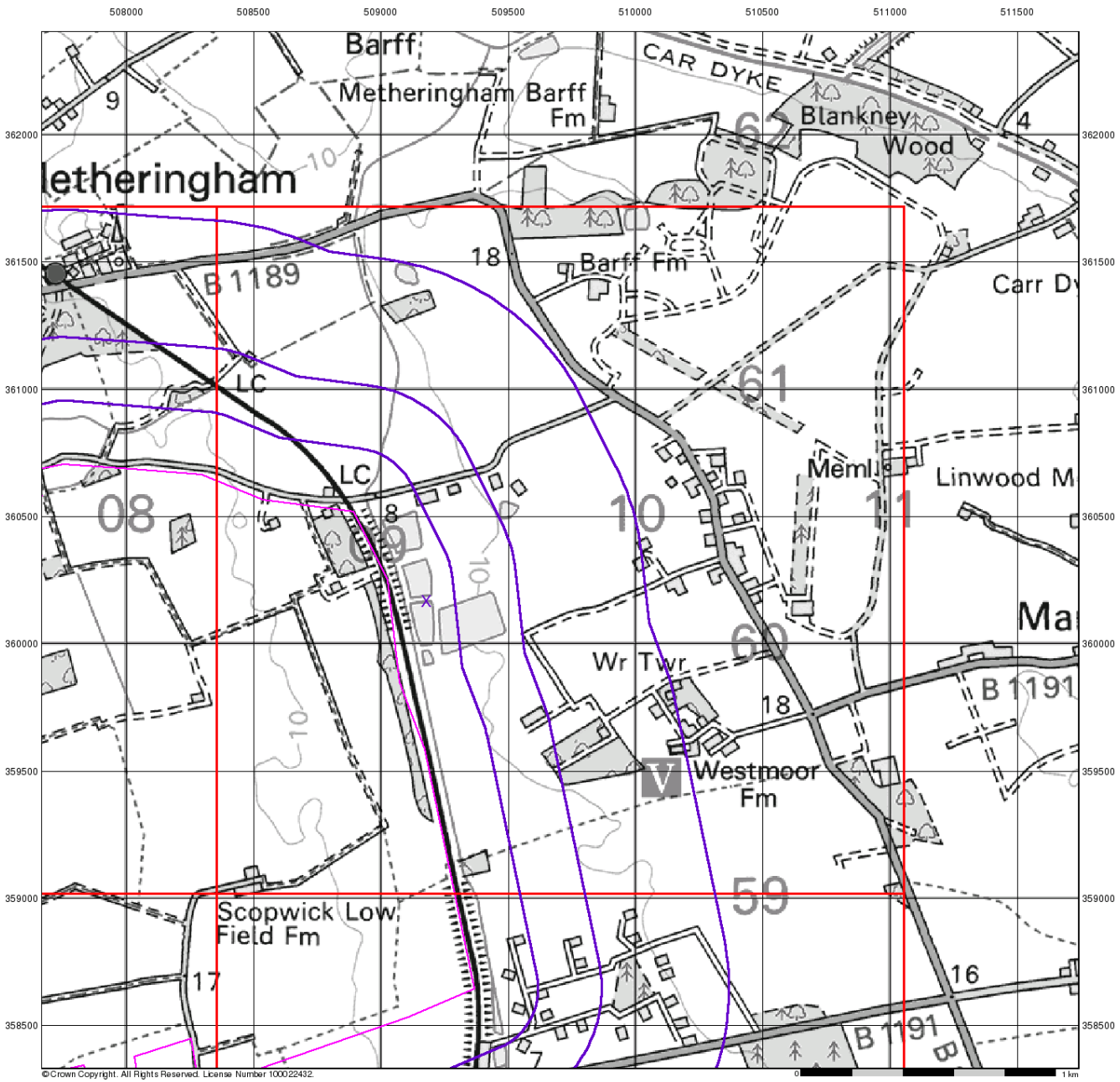
Site Details

All Areas New



RSK

Source Protection Zones

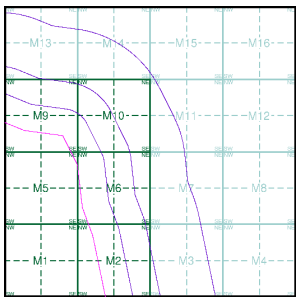
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice M



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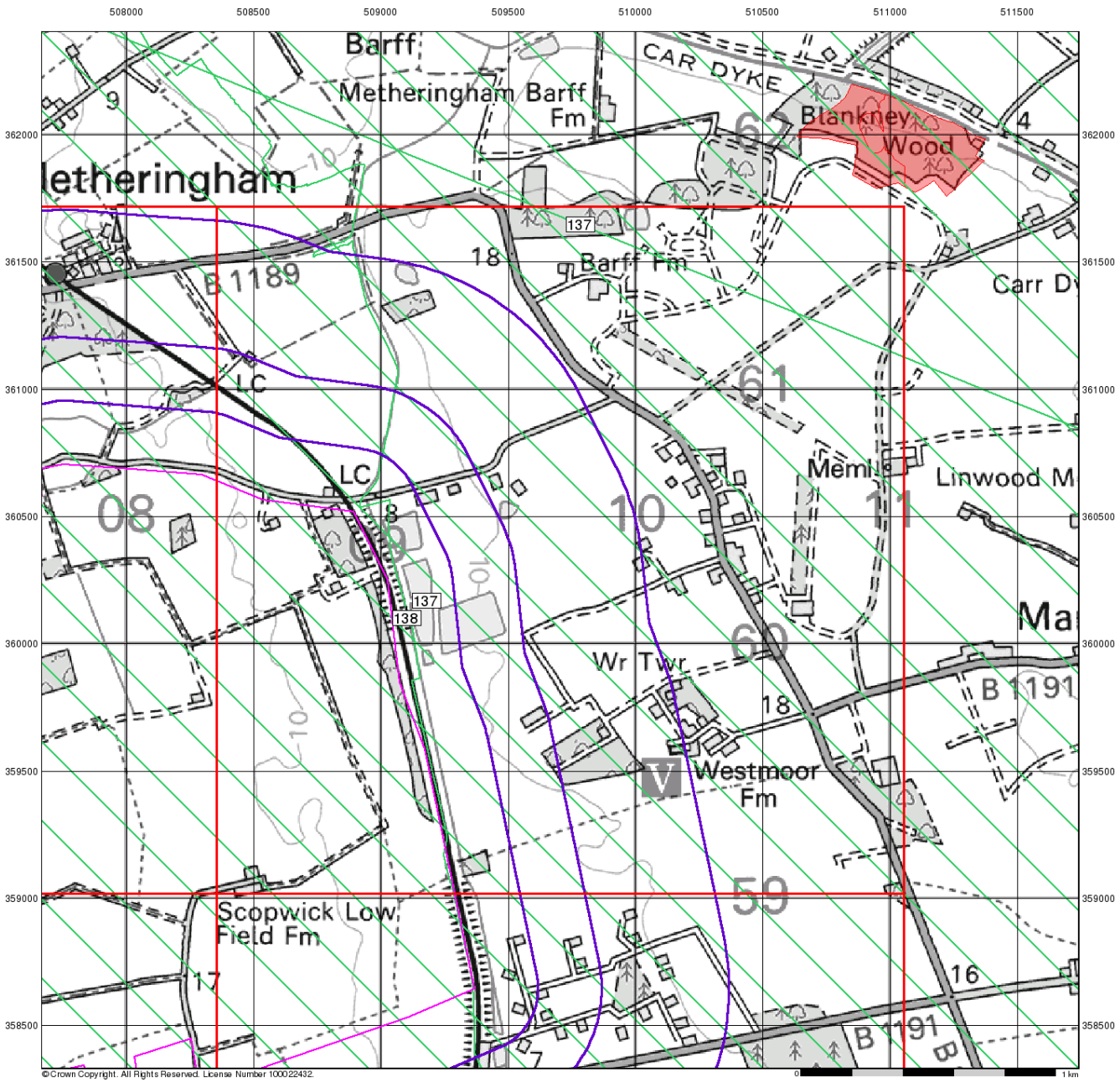
All Areas New



RSK

Sensitive Land Uses

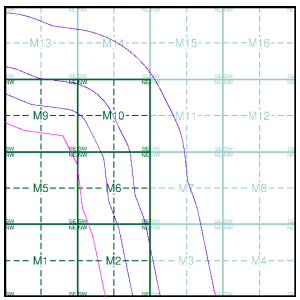
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice M



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Slice:	M
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Search Buffer (m):	1000

Site Details

All Areas New

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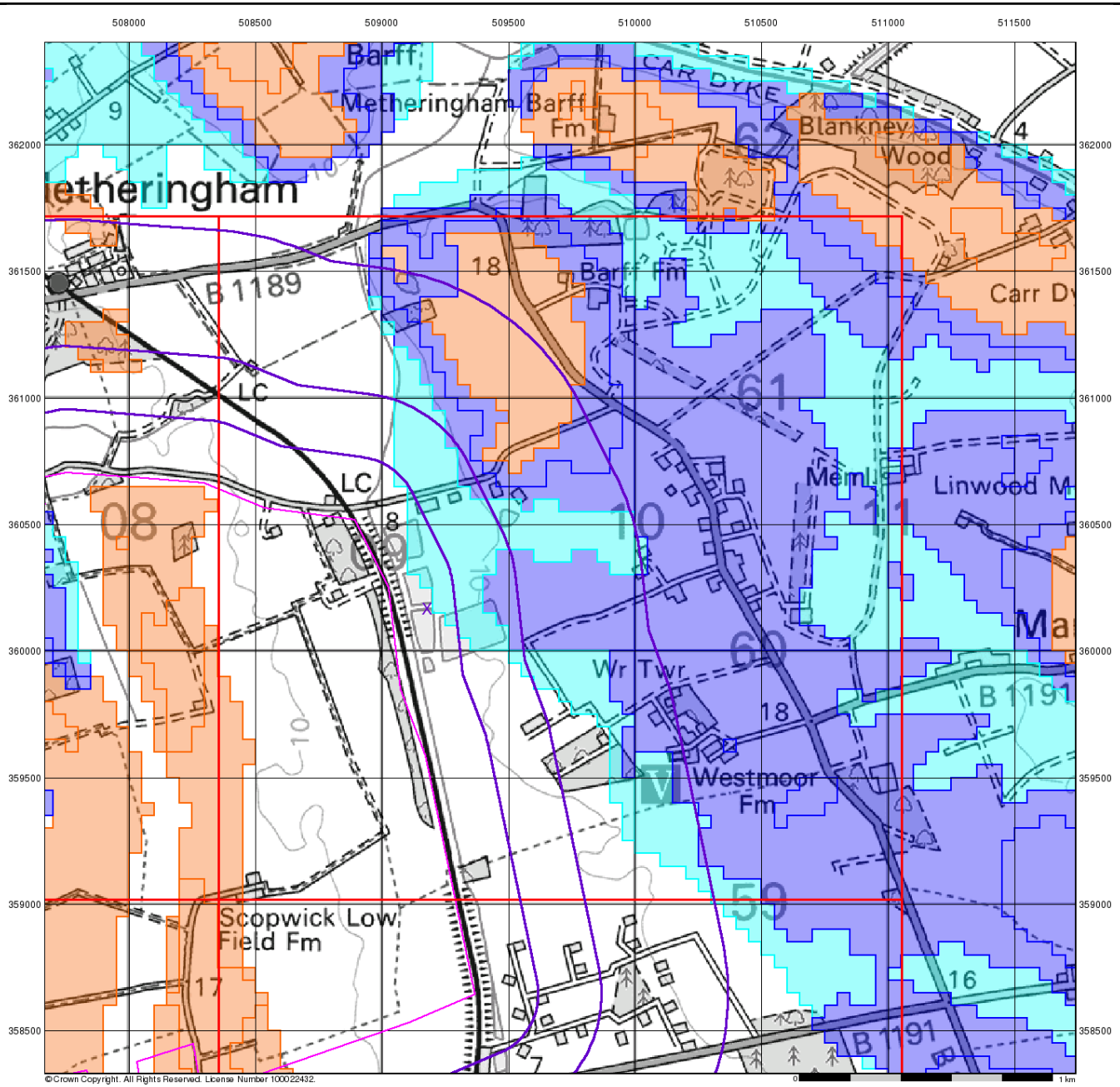


RSK

BGS Flood GFS Data

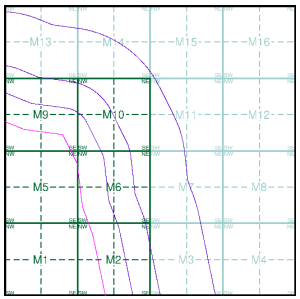
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice M



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Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

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RSK

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Geological

- BGS Recorded Mineral Site

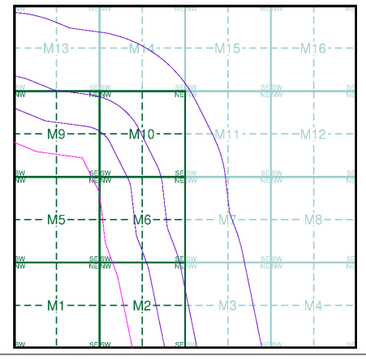
Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice M



Order Details

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Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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RSK

Industrial Land Use Map

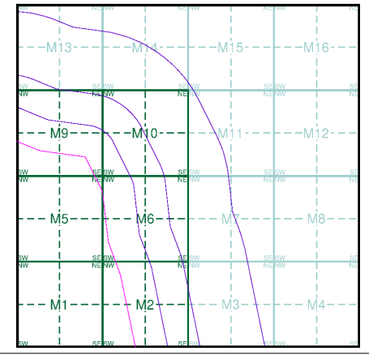
General

Specified Site
Specified Buffer(s)
Bearing Reference Point
Slice
Map ID

Industrial Land Use

Contemporary Trade Directory Entry
Fuel Station Entry
Gas Pipeline
Underground Electrical Cables

Industrial Land Use Map - Slice M



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Site Details

All Areas New

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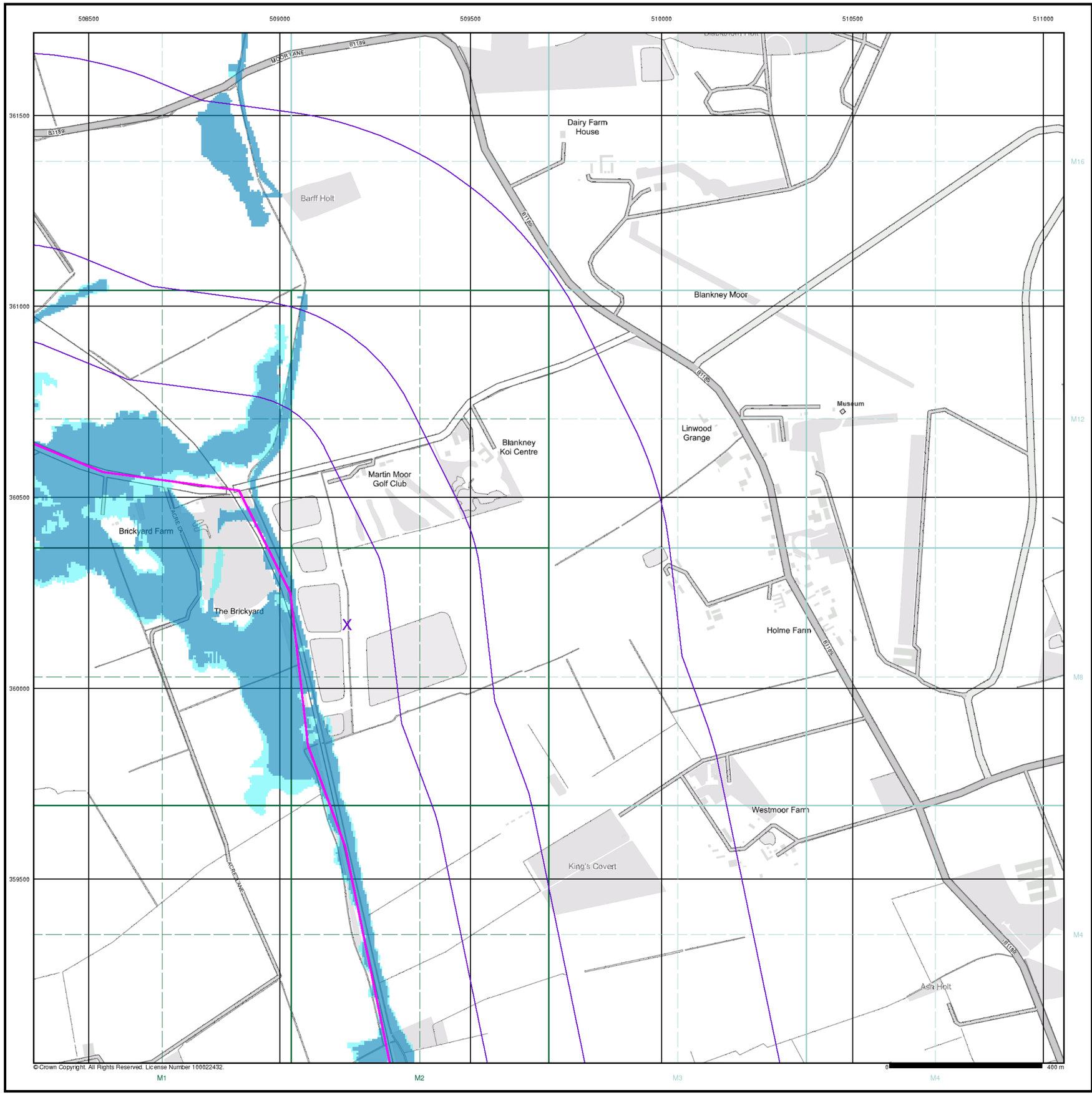


RSK

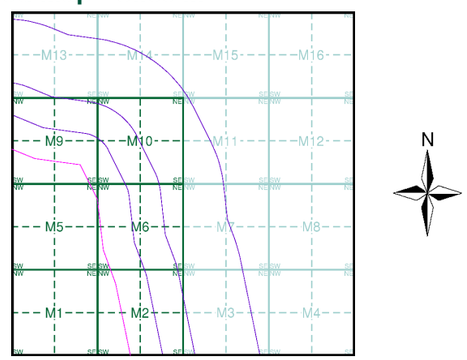
General

- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice M



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National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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RSK

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

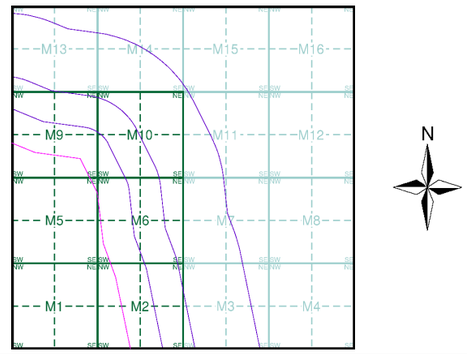
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice M



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Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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RSK

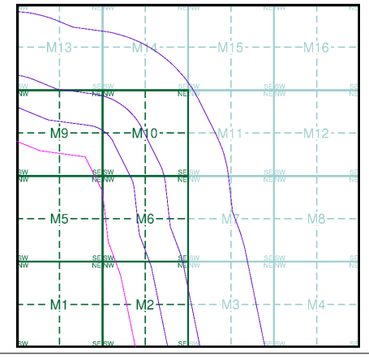
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

OS Water Network Map - Slice M



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Site Details

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Mining and Ground Stability Datasheet

Order Details:

Order Number:
304263548_1_1

Customer Reference:
P02130089

National Grid Reference:
509180, 360170

Slice:
M

Site Area (Ha):
1774.17

Search Buffer (m):
1000

Site Details:

All Areas New

Client Details:

Miss K Bradfield
Landmark Staff WEB Logins
Imperium
Imperial Way
Reading
Berkshire
RG2 0TD

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	2
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	3
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	4
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Historical Map List	7
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	8
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

The Mining Instability data was obtained on licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The supplied Mining Instability data is derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.

Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Mining and Natural Cavities Data					
BGS Recorded Mineral Sites	pg 1				1
Coal Mining Affected Areas			n/a	n/a	n/a
Man Made Mining Cavities					
Mining Instability			n/a	n/a	n/a
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1950-1980 (100m)	pg 2	7	2	n/a	n/a
Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
Air Shafts					
Disturbed Ground	pg 3	1			
General Quarrying					
Heap, unknown constituents					
Mineral Railway					
Mining & quarrying general					
Mining of coal & lignite					
Quarrying of sand & clay, operation of sand & gravel pits	pg 3				1
Former Marshes					
Potentially Infilled Land (Non-Water)	pg 3	1			1
Potentially Infilled Land (Water)					
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 4	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 4	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 5	Yes	Yes	n/a	n/a
Salt Mining Related Features					

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Summary

Report Version v53.0

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Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Metheringham Moor Gravel Pit Location: Metheringham, Lincoln, Lincolnshire Source: British Geological Survey, National Geoscience Information Service Reference: 133760 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cromerian - Ipswichian Geology: Till, Mid Pleistocene Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	M14NW (N)	944	1	509144 361427
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1973 Last Map Published Date: N/A	M9SW (W)	0	-	508429 360423
3	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1973 Last Map Published Date: N/A	M5NE (W)	0	-	508946 360221
4	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	M2SW (S)	0	-	509211 359304
5	**Extractive Industries or Potential Excavations from 1950-1980** Use: Railway Embankment First Map Published Date: 1973 Last Map Published Date: 1979	M6NW (W)	0	-	509048 360138
6	**Extractive Industries or Potential Excavations from 1950-1980** Use: Ponds First Map Published Date: 1973 Last Map Published Date: N/A	M9SE (NW)	0	-	508819 360394
7	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	M5SW (SW)	0	-	508434 359742
8	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1973 Last Map Published Date: N/A	M5NE (W)	0	-	508838 360248
9	**Extractive Industries or Potential Excavations from 1950-1980** Use: Pond First Map Published Date: 1979 Last Map Published Date: N/A	M6SW (S)	10	-	509108 359785
10	**Extractive Industries or Potential Excavations from 1950-1980** Use: Ponds First Map Published Date: 1979 Last Map Published Date: N/A	M2NW (S)	14	-	509228 359410

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Disturbed Ground** Use: Not Supplied Date of Mapping: 1891	M5NE (NW)	0	-	508860 360355
12	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1890 - 1956	M14SW (N)	871	-	509173 361342
13	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1977	M9SE (NW)	0	-	508836 360451
14	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1977	M14SW (N)	871	-	509173 361342

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
15	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	508650 361863
16	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
17	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
18	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(NW)	250	1	508285 361245
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
19	**Potential for Compressible Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(N)	0	1	508650 361863
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	250	1	508285 361245
20	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507829 360000
21	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507989 359683
22	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006
23	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508078 359797
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507623 359626
24	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509177 360168

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
26	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M9NE (NW)	0	1	508752 360706
27	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509100 360145
28	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509135 360000
29	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (NE)	120	1	509205 360186
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507311 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	41	1	509177 360168
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(NW)	250	1	508029 361126
30	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509177 360000
31	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507982 360000
32	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508078 359797
33	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	0	1	509100 360145
34	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	M6SW (S)	0	1	509135 360000
35	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	M6NE (E)	0	1	509438 360246
36	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507690 360565
37	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	M6NW (W)	41	1	509177 360168
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507989 359683
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	508342 360006

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	(W)	0	1	507829 360000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	M5SW (SW)	0	1	508410 359809

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	TF0860	1973
Ordnance Survey Plan	TF0860	1973
Ordnance Survey Plan	TF0861	1973
Ordnance Survey Plan	TF0960	1973
Ordnance Survey Plan	TF0960	1973
Ordnance Survey Plan	TF0960	1973
Ordnance Survey Plan	TF0960	1973
Ordnance Survey Plan	TF0961	1973
Ordnance Survey Plan	TF0961	1973
Ordnance Survey Plan	TF0859	1979
Ordnance Survey Plan	TF0859	1979
Ordnance Survey Plan	TF0959	1979
Ordnance Survey Plan	TF0959	1979
Ordnance Survey Plan	TF0959	1979
Ordnance Survey Plan	TF0959	1979

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Lincolnshire	079_SE	1890
Lincolnshire	087_NE	1891
Lincolnshire	087_NE	1906
Lincolnshire	079_SE	1907
Lincolnshire	087_NE	1947
Lincolnshire	079_SE	1950
Ordnance Survey Plan	TF05NE	1956
Ordnance Survey Plan	TF06SE	1956
Ordnance Survey Plan	TF15NW	1956
Ordnance Survey Plan	TF16SW	1956
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	TF06SE	1977
Ordnance Survey Plan	TF16SW	1983
Ordnance Survey Plan	TF05NE	1985
Ordnance Survey Plan	TF15NW	1985

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Man Made Mining Cavities Stantec UK Ltd	December 2021	Bi-Annually
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Natural Cavities Stantec UK Ltd	December 2021	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	June 2022	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	 As notified
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Brine Subsidence Solution Area Johnson Poole & Bloomer	December 2020	Annual Rolling Update

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Stantec UK Ltd	Stantec
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk



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Historical Land Use Information (1:10,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID

Several of Type at Location

Potentially Contaminative Industrial Uses (Past Land Uses - Mining)

	Point	Line	Polygon
Air Shafts	◆		
Disturbed Ground	◆		
General Quarrying	◆		
Heap, unknown constituents	◆		
Mineral Railway	◆		
Mining and Quarrying General	◆		
Mining of Coal & Lignite	◆		
Quarrying of Sand and Clay, Operation of Sand and Gravel Pits	◆		

Historical Land Use

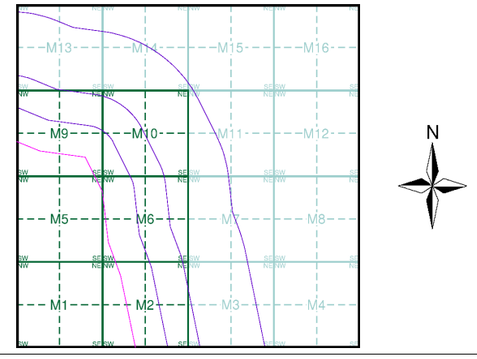
	Point	Line	Polygon
Potentially Infilled Land (Non-Water)	●		
Potentially Infilled Land (Water)	●		
Former Marsh	✠		

Mining Data

Potential Mining Area

BGS Recorded Mineral Site

Mining and Ground Stability - Slice M



Order Details

Order Number:	304263548_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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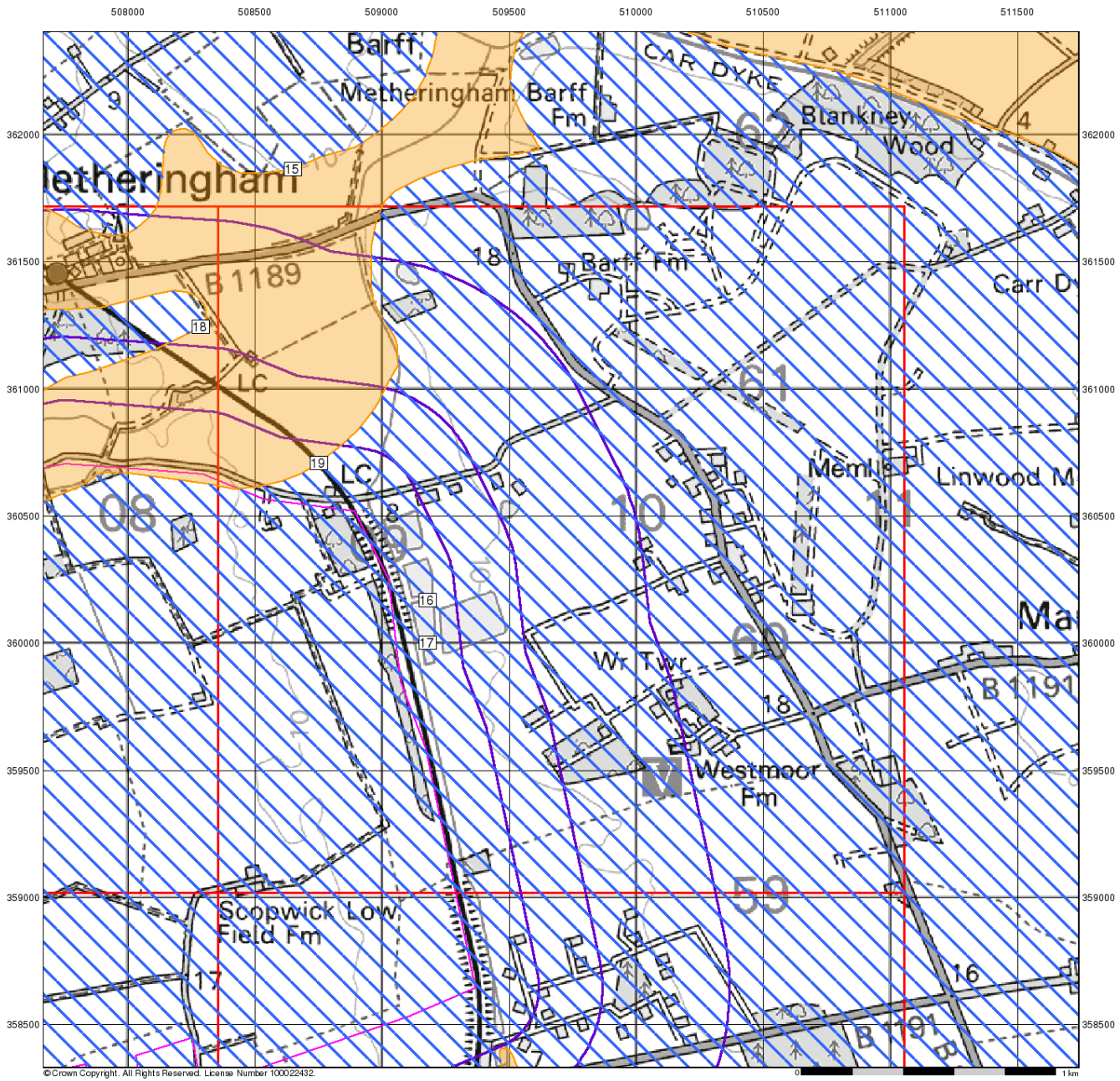
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Potential for Compressible Ground Stability Hazards

High | Low | Moderate | Very Low

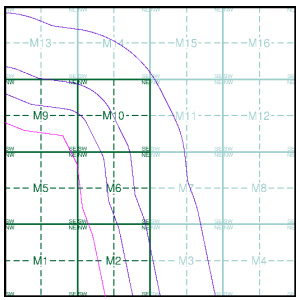
Potential for Collapsible Ground Stability Hazards

High | Low | Moderate | Very Low

Brine Pumping and Salt Mining

	Point	Polygon
Brine Pumping Related Feature	▲	▨
Salt Mining Related Feature	▲	▨

Mining and Ground Stability - Slice M



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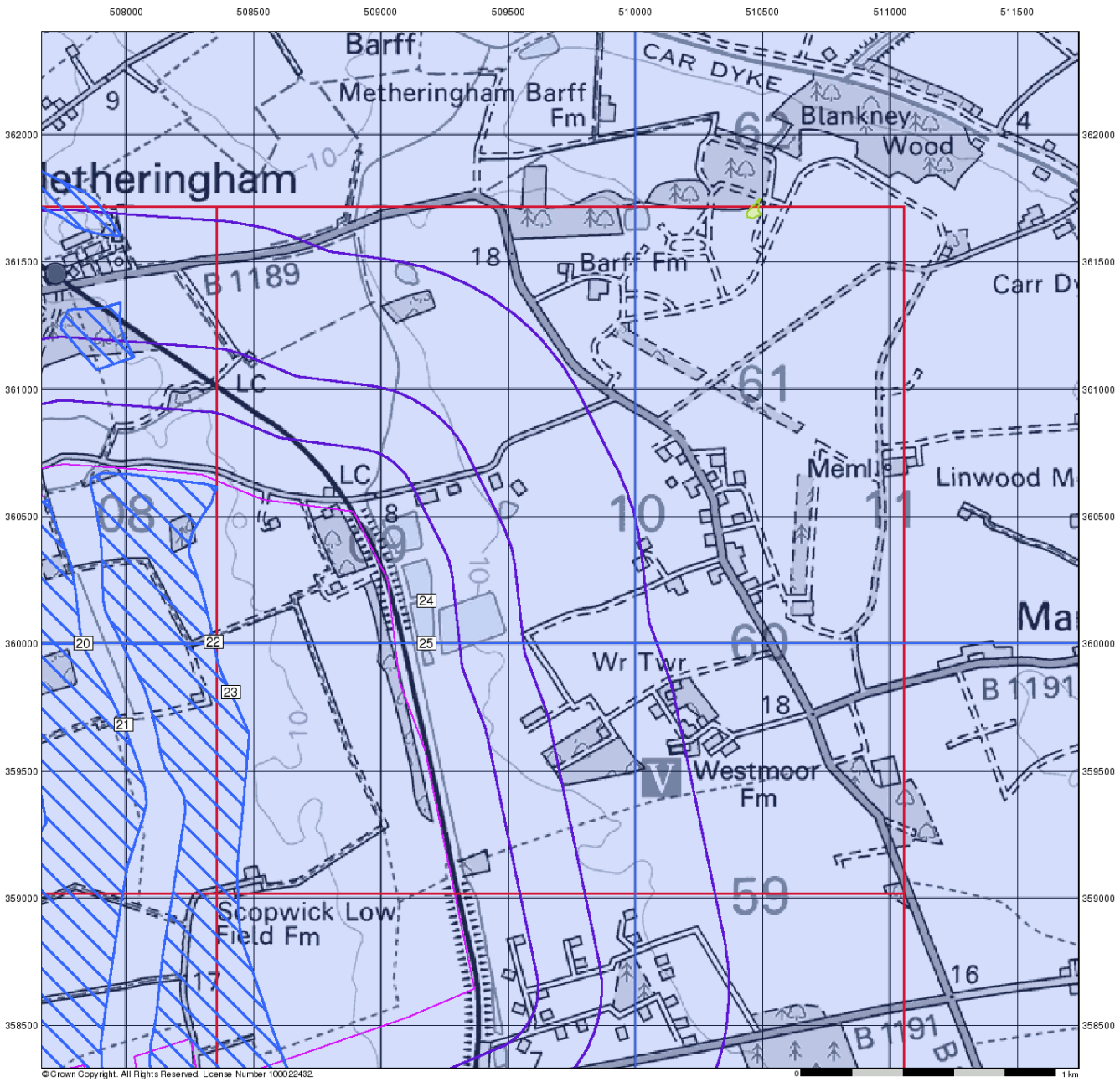

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

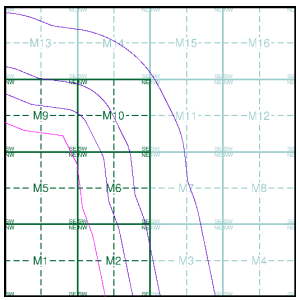
Potential for Landslide Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Ground Dissolution Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice M



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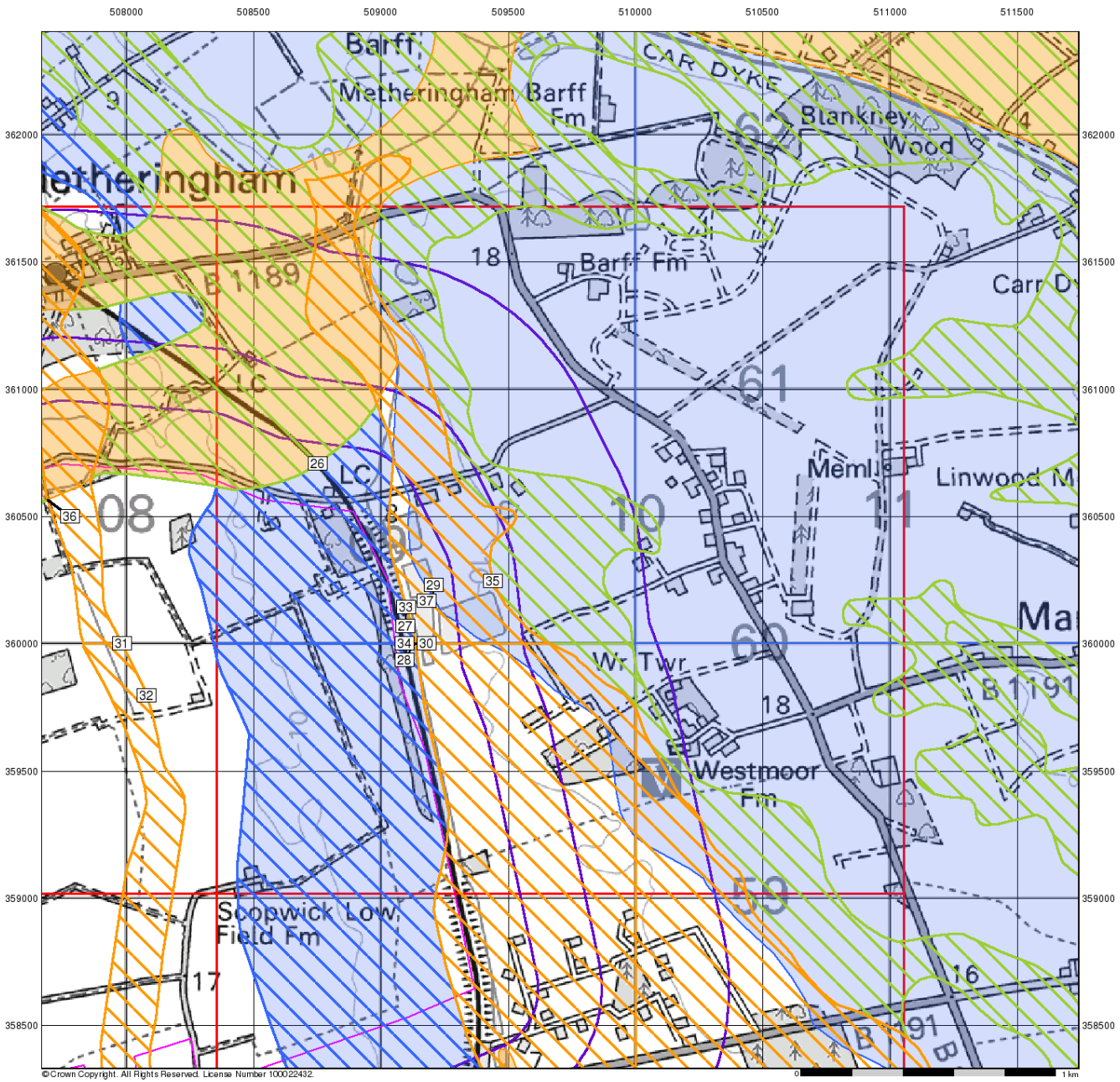

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Ground Stability Data (1:50,000)

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

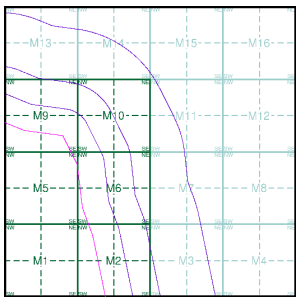
Potential for Running Sand Ground Stability Hazards

High | Low | Moderate | Very Low

Potential for Shrinking or Swelling Clay Ground Stability Hazards

High | Low | Moderate | Very Low

Mining and Ground Stability - Slice M



Order Details

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Customer Ref:	P02130089
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Search Buffer (m):	1000

Site Details

All Areas New

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

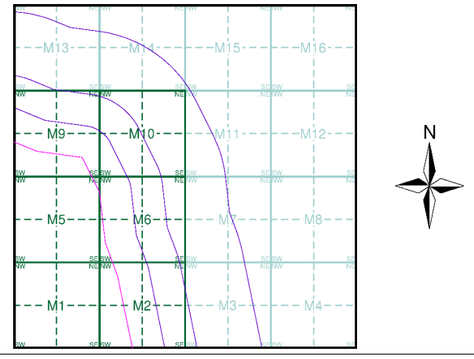
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:10,560	1887	2
Lincolnshire	1:10,560	1906 - 1907	3
Lincolnshire	1:10,560	1947 - 1950	4
Ordnance Survey Plan	1:10,000	1956	5
Ordnance Survey Plan	1:10,000	1977	6
Ordnance Survey Plan	1:10,000	1983 - 1985	7
10K Raster Mapping	1:10,000	2000	8
Street View	Variable		9

Historical Map - Slice M



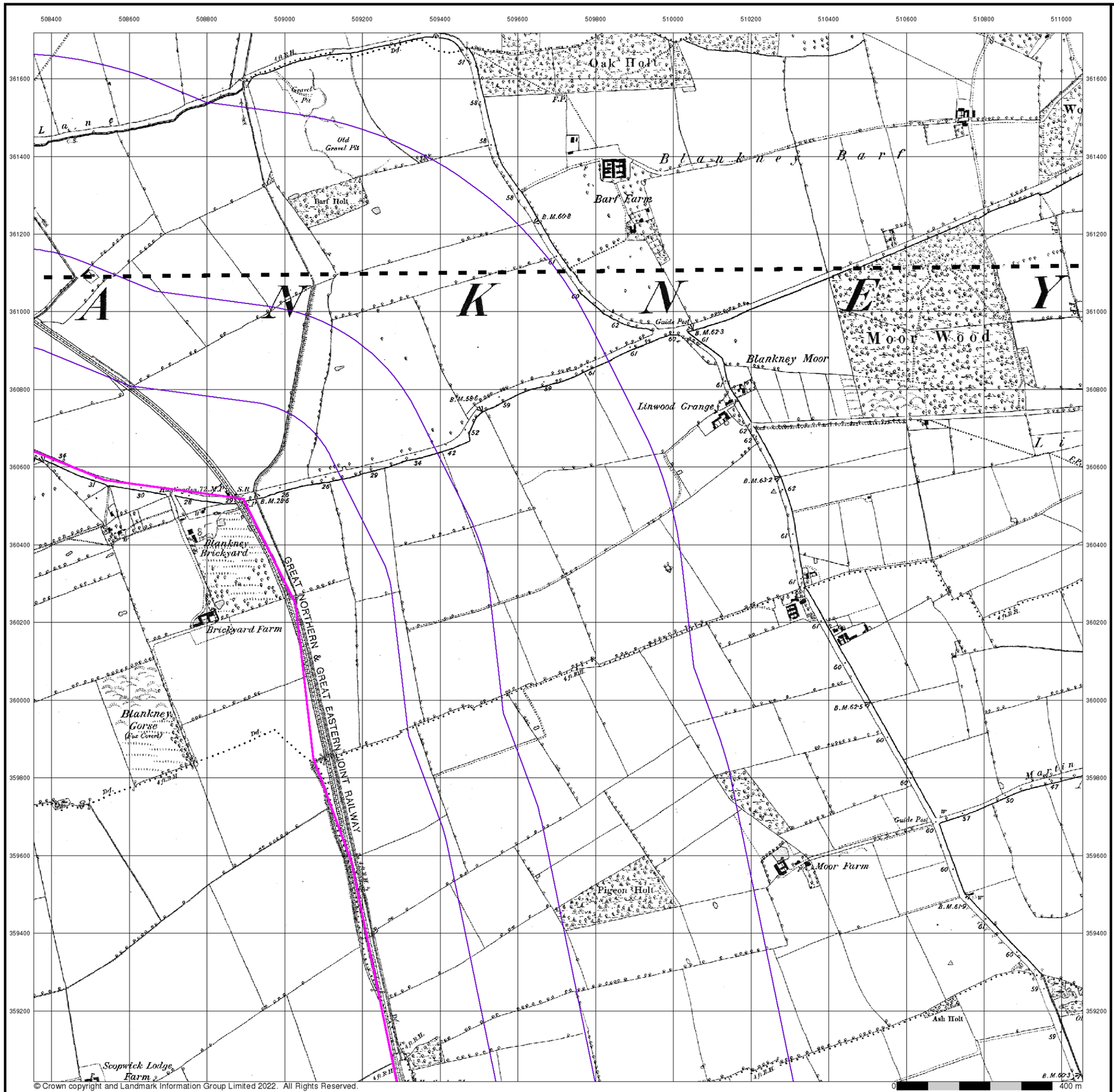
Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 509180, 360170
Slice: M
Site Area (Ha): 1774.17
Search Buffer (m): 1000

Site Details

All Areas New

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1887

Source map scale - 1:10,560

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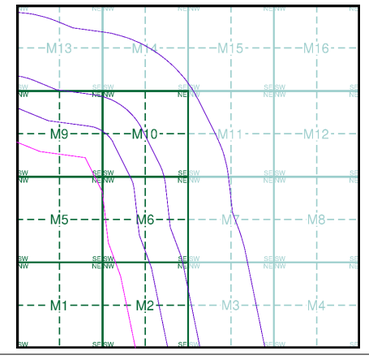
Map Name(s) and Date(s)

079SE
1887
1:10,560

087NE
1887
1:10,560

Historical Map - Slice M



Order Details

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Slice:	M
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Site Details

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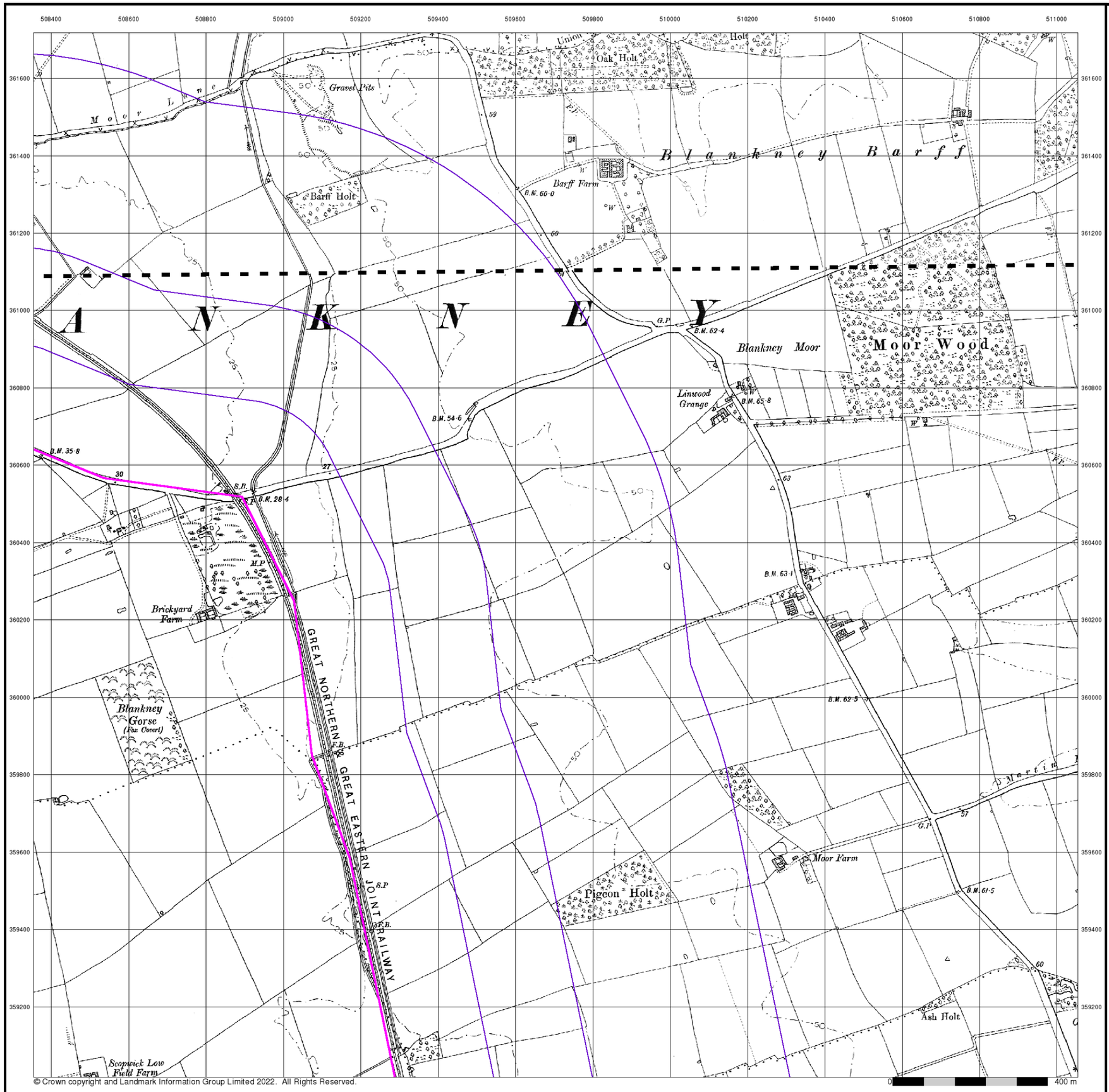

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RSK

Lincolnshire

Published 1906 - 1907

Source map scale - 1:10,560

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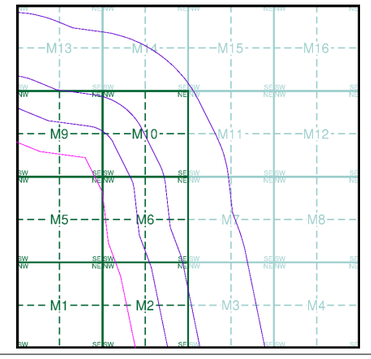
Map Name(s) and Date(s)

079SE
1907
1:10,560

087NE
1906
1:10,560

Historical Map - Slice M



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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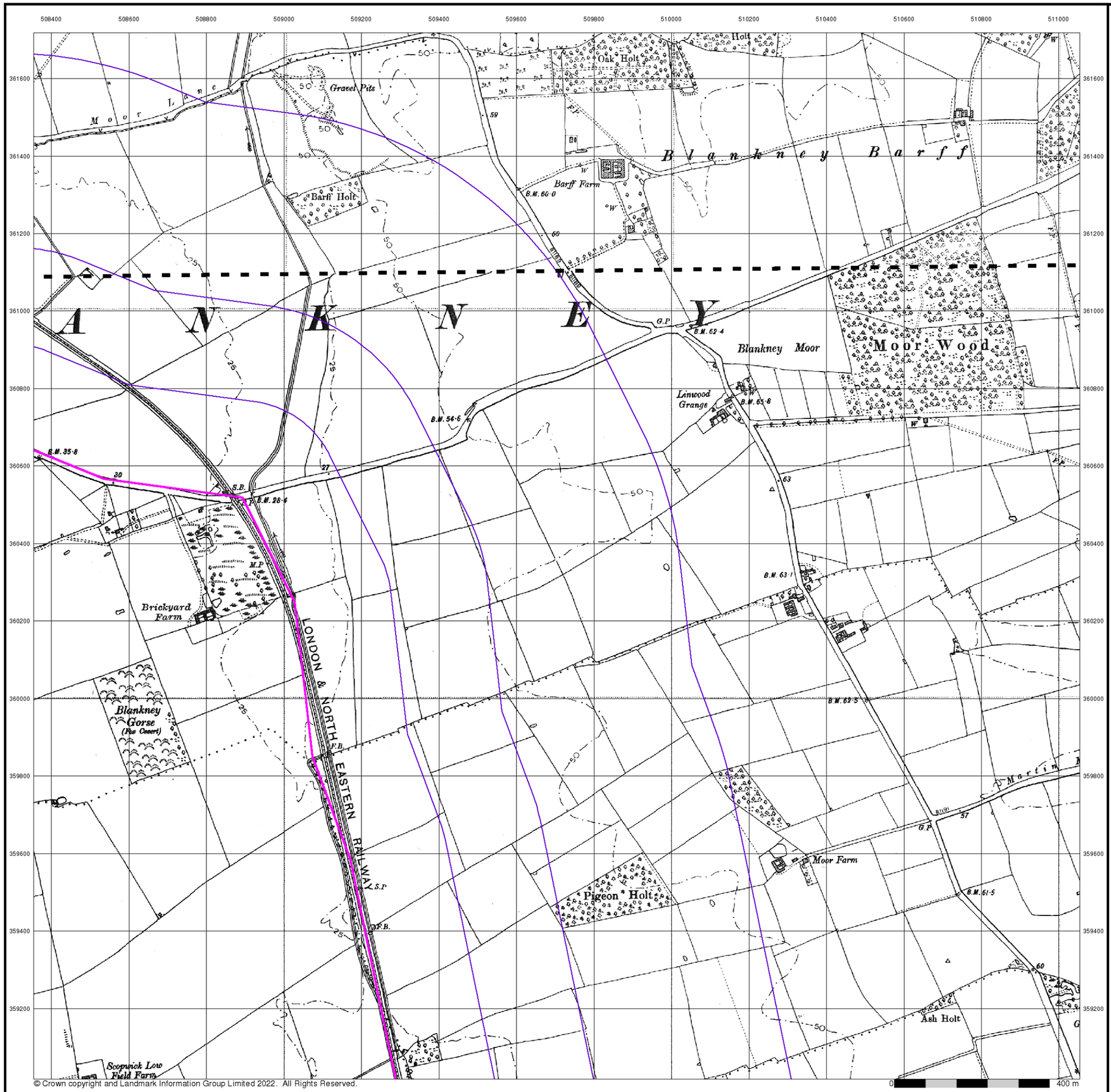

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RSK

Lincolnshire

Published 1947 - 1950

Source map scale - 1:10,560

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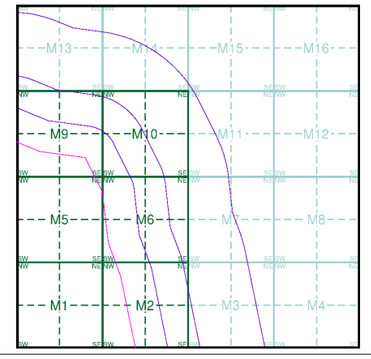
Map Name(s) and Date(s)

079SE
1950
1:10,560

087NE
1947
1:10,560

Historical Map - Slice M



Order Details

Order Number:	303381609_1_1
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National Grid Reference:	509180, 360170
Slice:	M
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Search Buffer (m):	1000

Site Details

All Areas New

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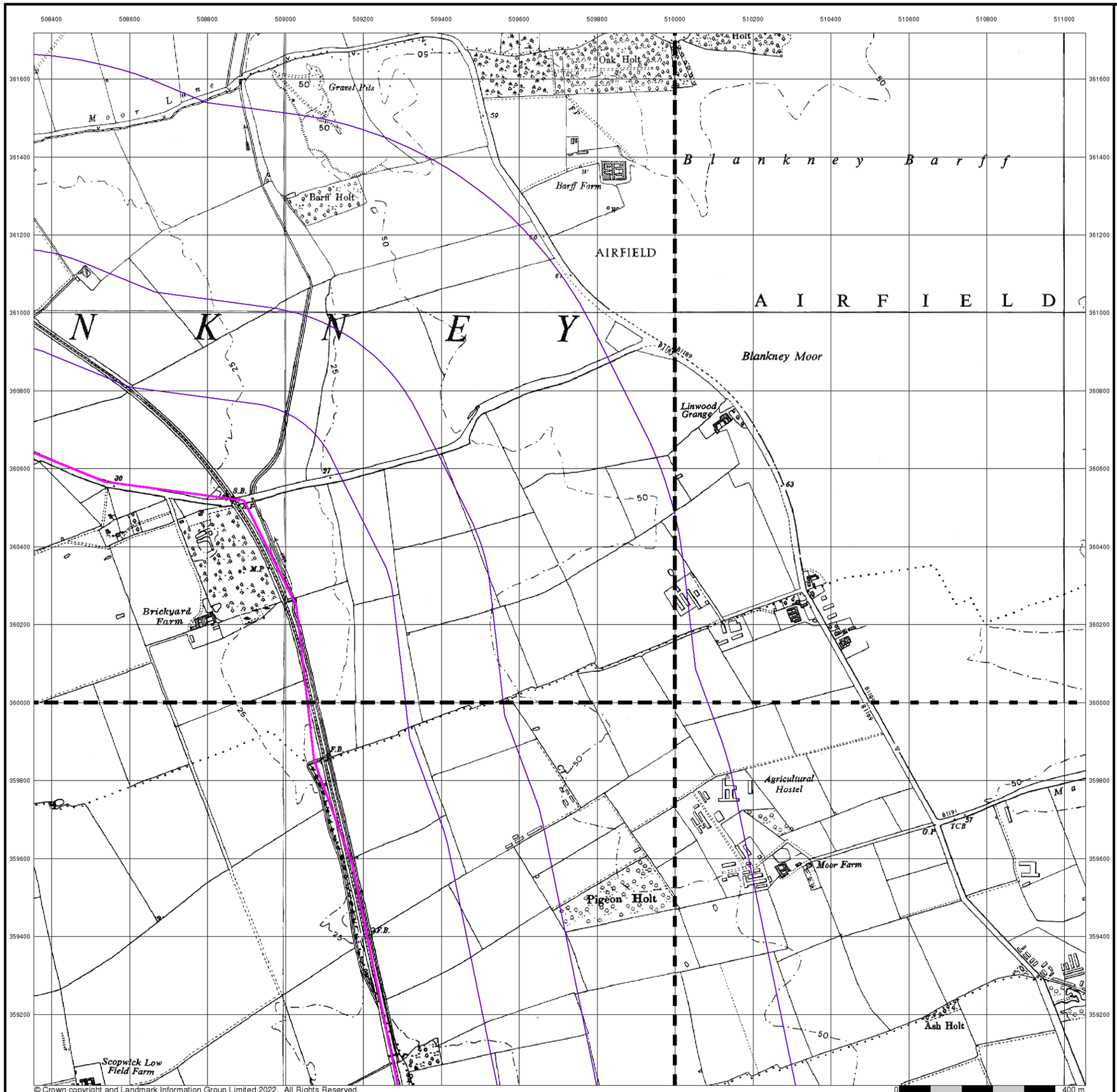

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Ordnance Survey Plan

Published 1956

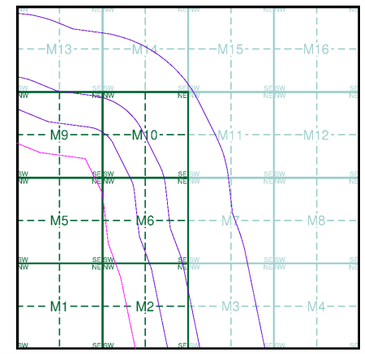
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TF06SE 1956 1:10,560	TF16SW 1956 1:10,560
TF05NE 1956 1:10,560	TF15NW 1956 1:10,560

Historical Map - Slice M



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Search Buffer (m):	1000

Site Details

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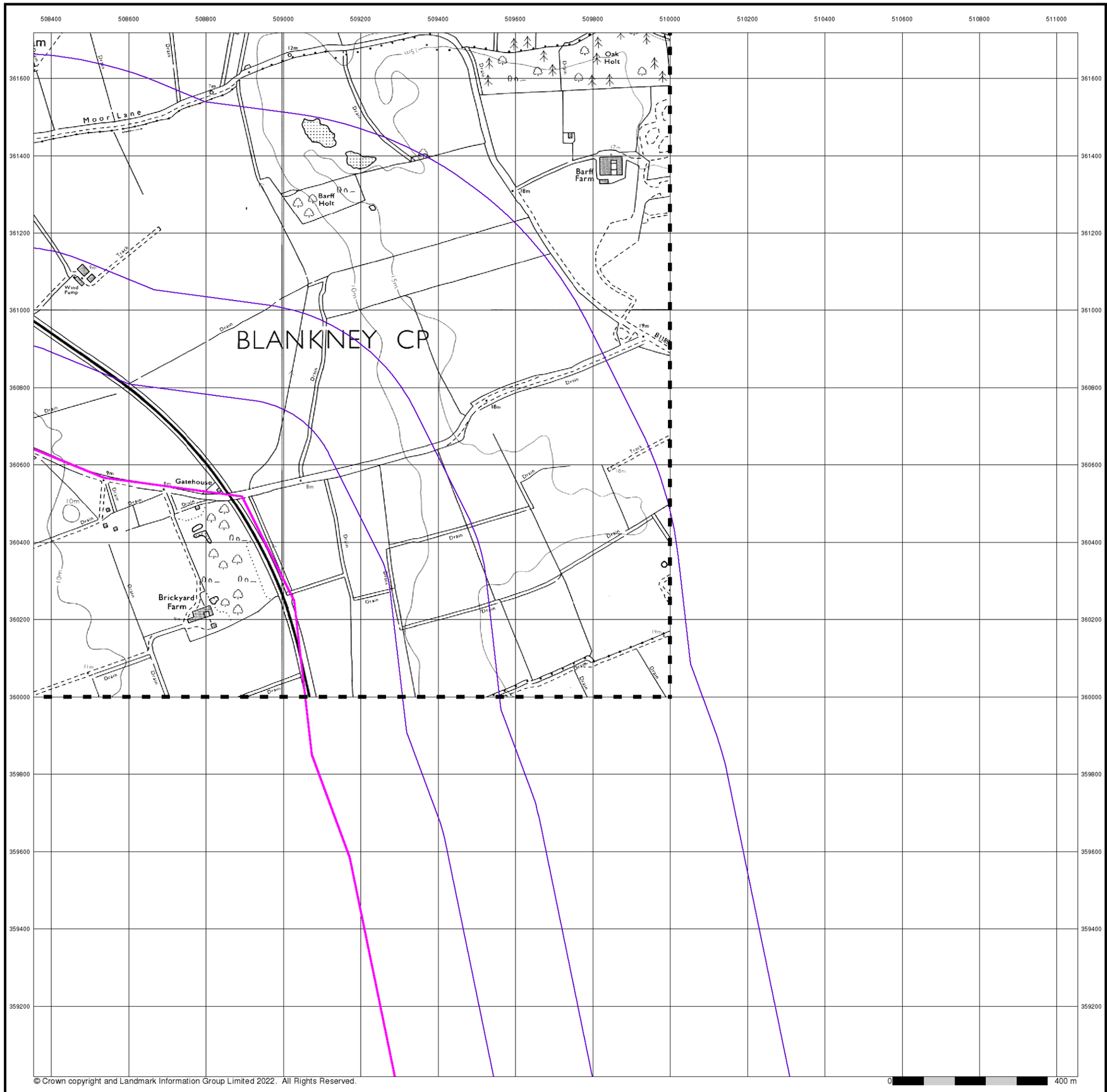


RSK

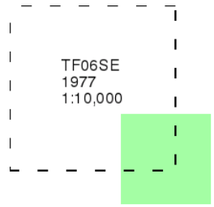
Ordnance Survey Plan

Published 1977

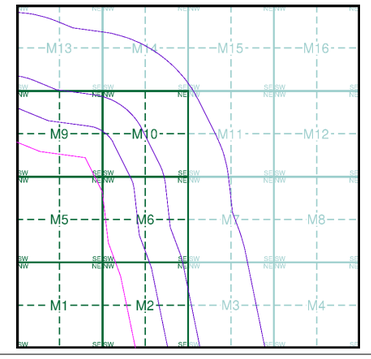
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice M



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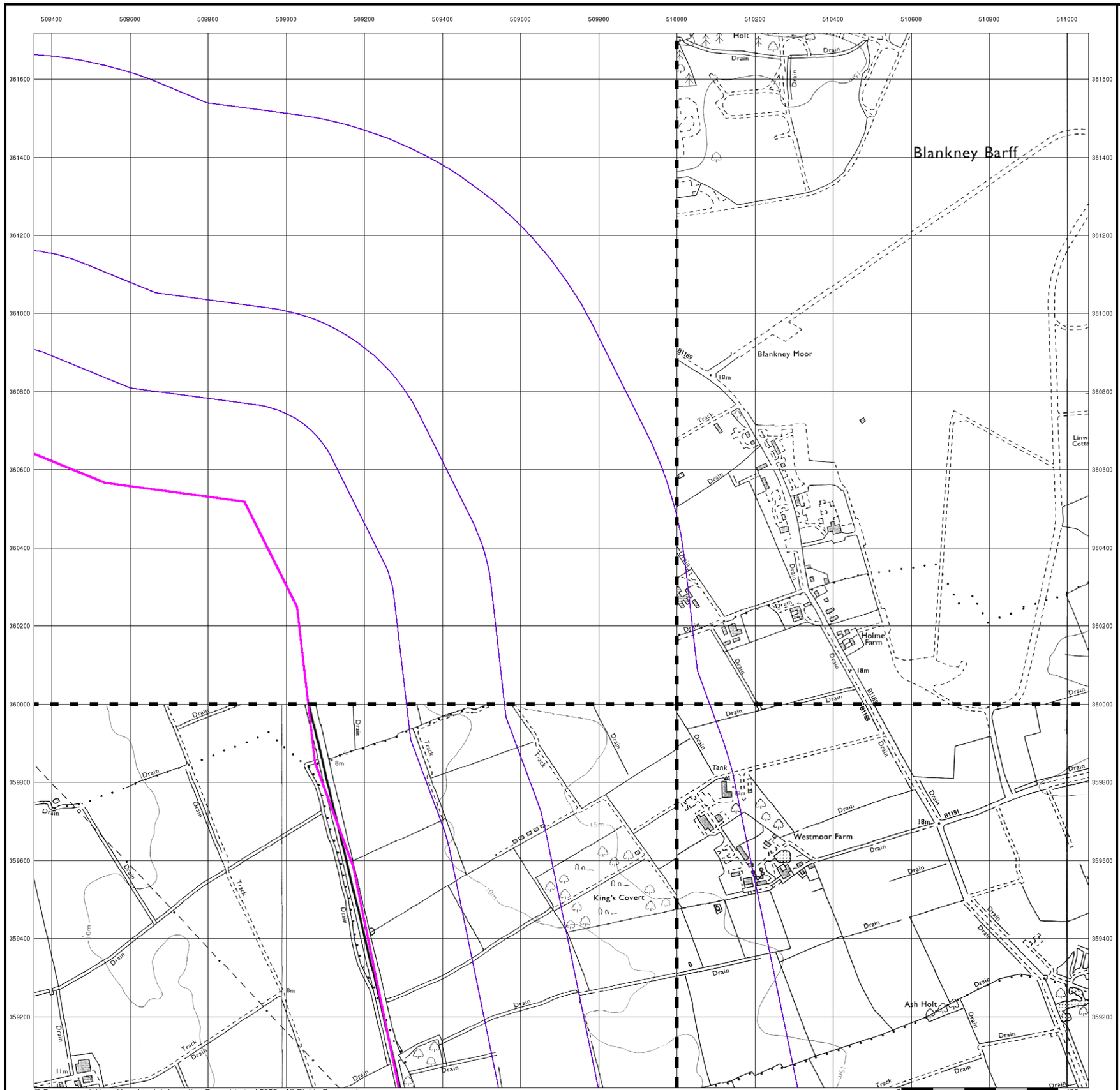

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Ordnance Survey Plan

Published 1983 - 1985

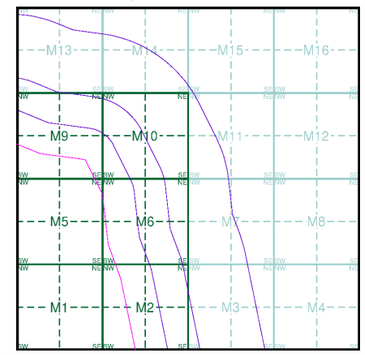
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

TF16SW 1983 1:10,000
TF05NE 1985 1:10,000
TF15NW 1985 1:10,000

Historical Map - Slice M



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	1000

Site Details

All Areas New

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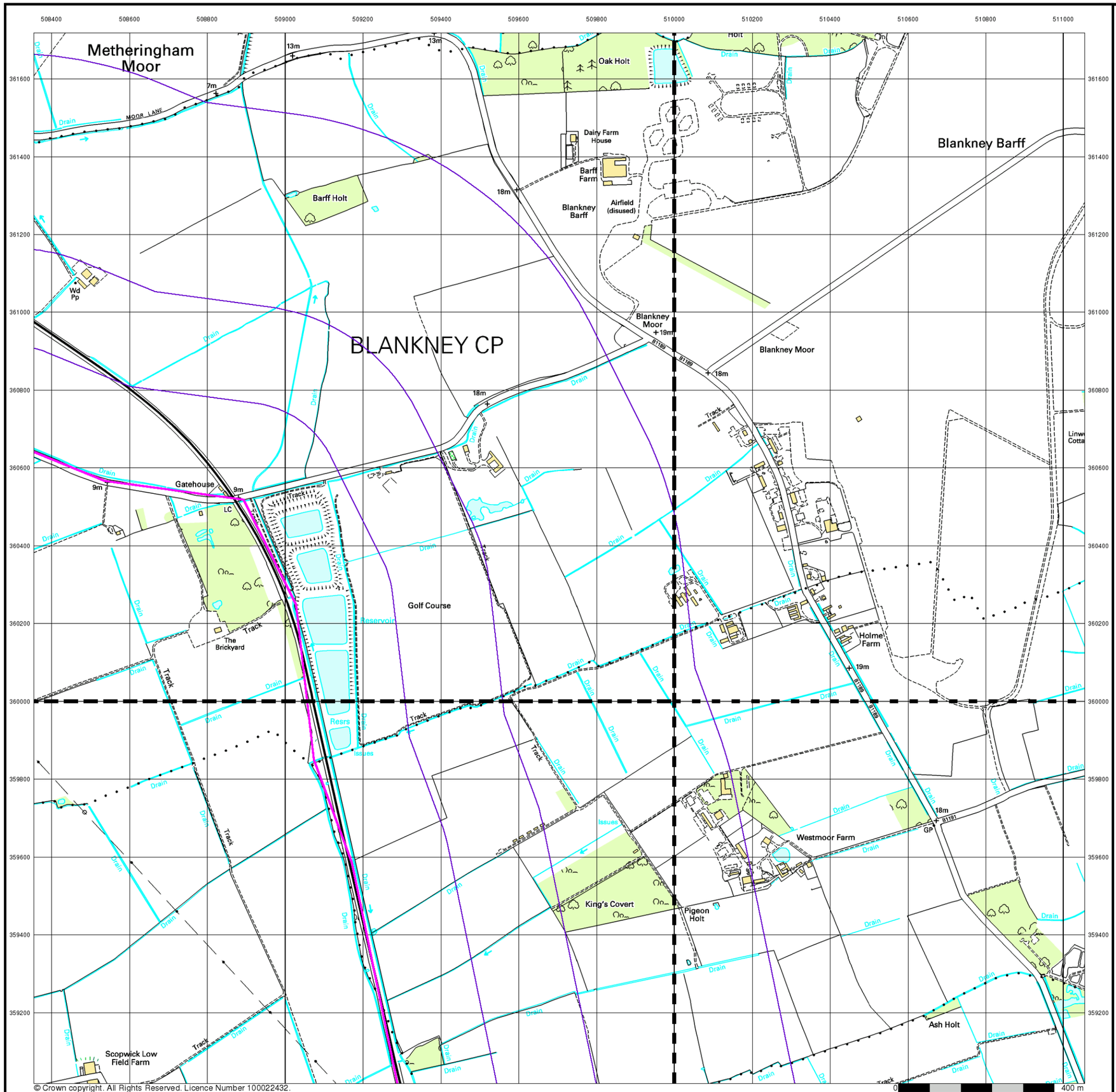

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RSK

10k Raster Mapping

Published 2000

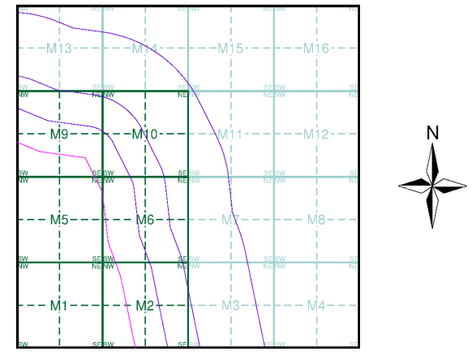
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

TF06SE 2000 1:10,000	TF16SW 2000 1:10,000
TF05NE 2000 1:10,000	TF15NW 2000 1:10,000

Historical Map - Slice M



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
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Site Details

All Areas New

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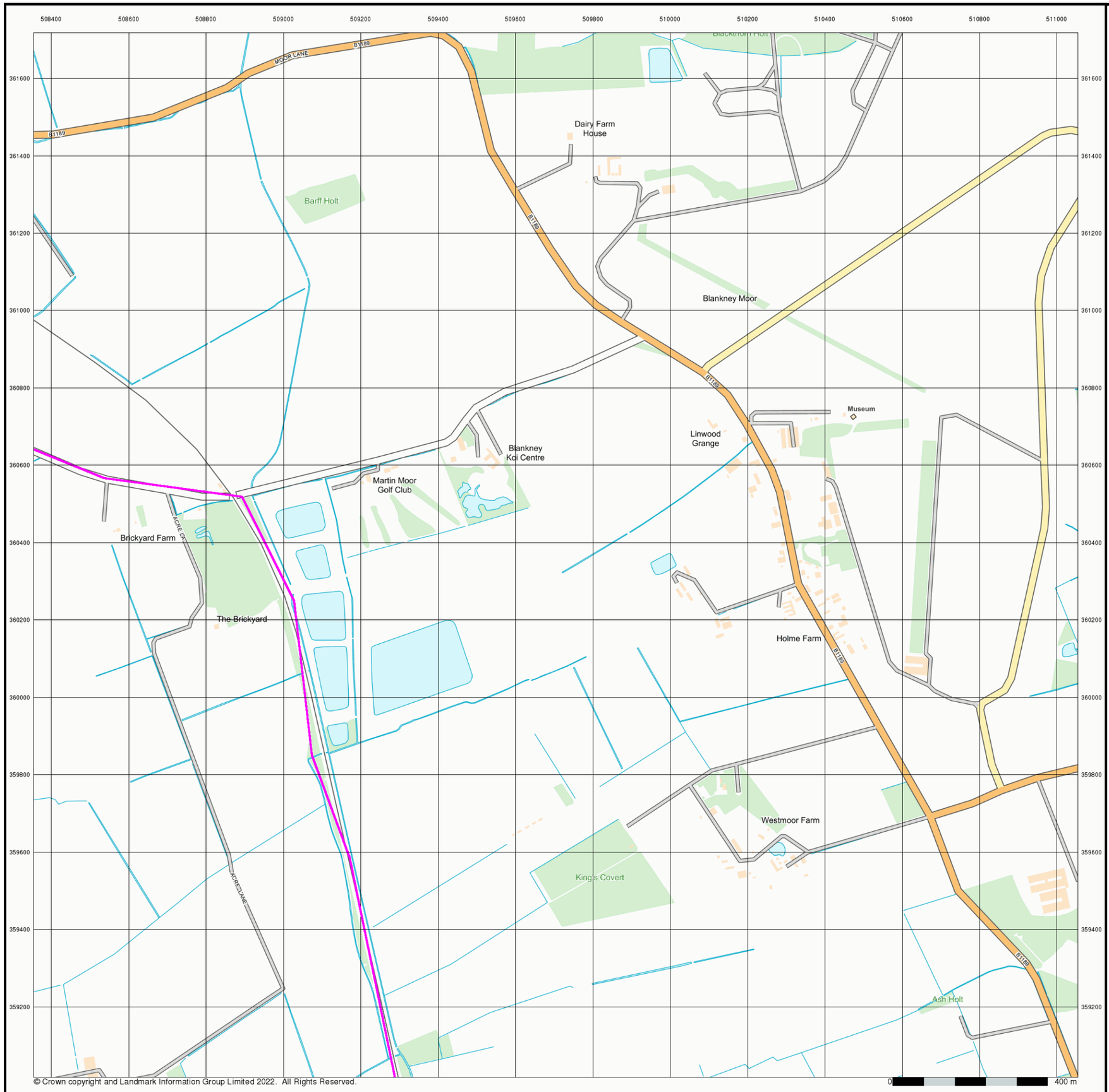

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RSK

Street View

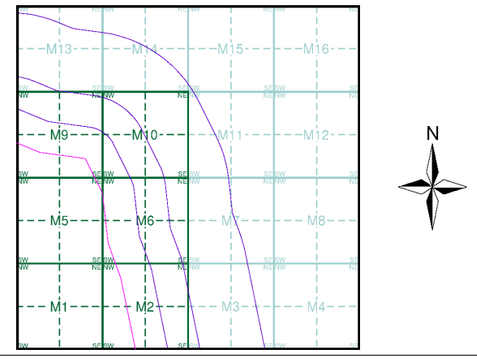
Published 2022

Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)

Street View Map - Slice M



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Site Details

All Areas New

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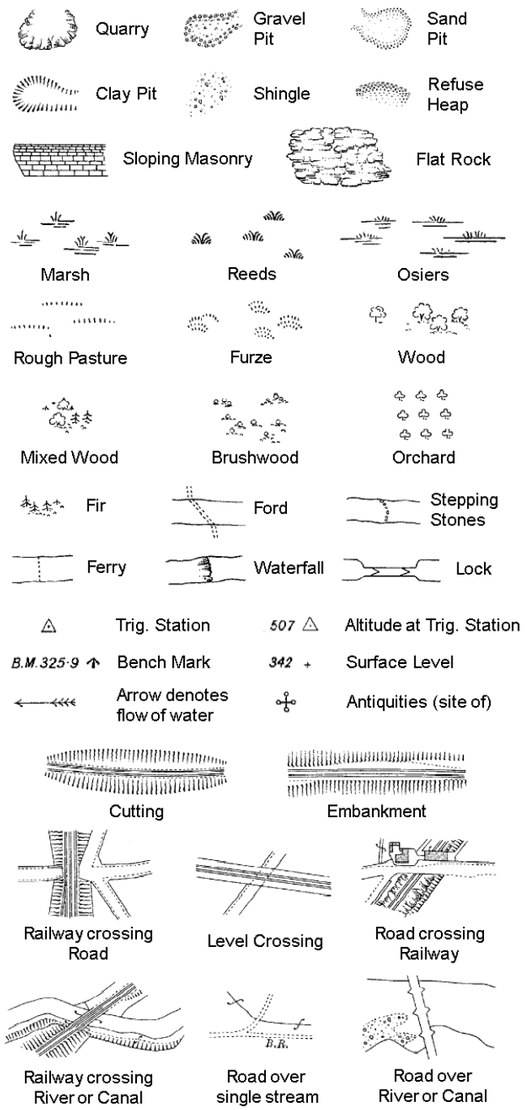
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

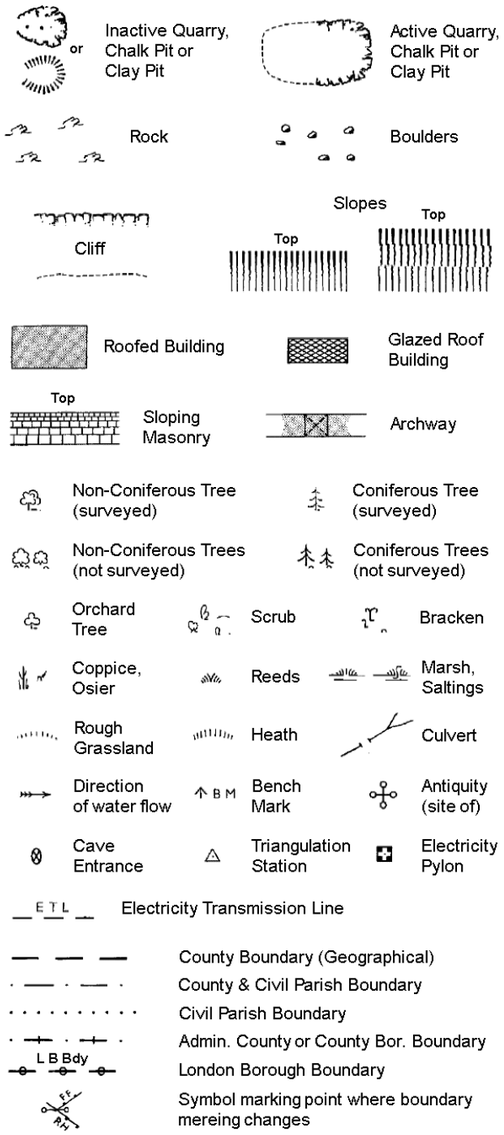
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

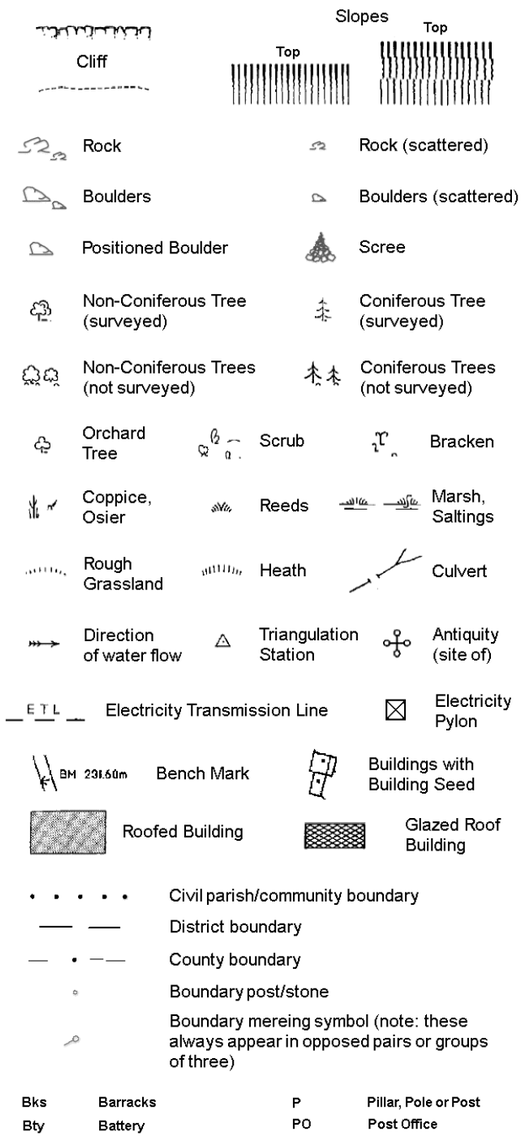
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

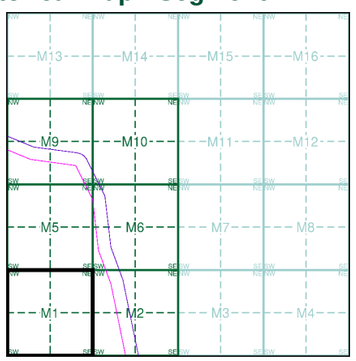
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment M1



Order Details

Order Number:	303381609_1_1
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Slice:	M
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Search Buffer (m):	100

Site Details

All Areas New

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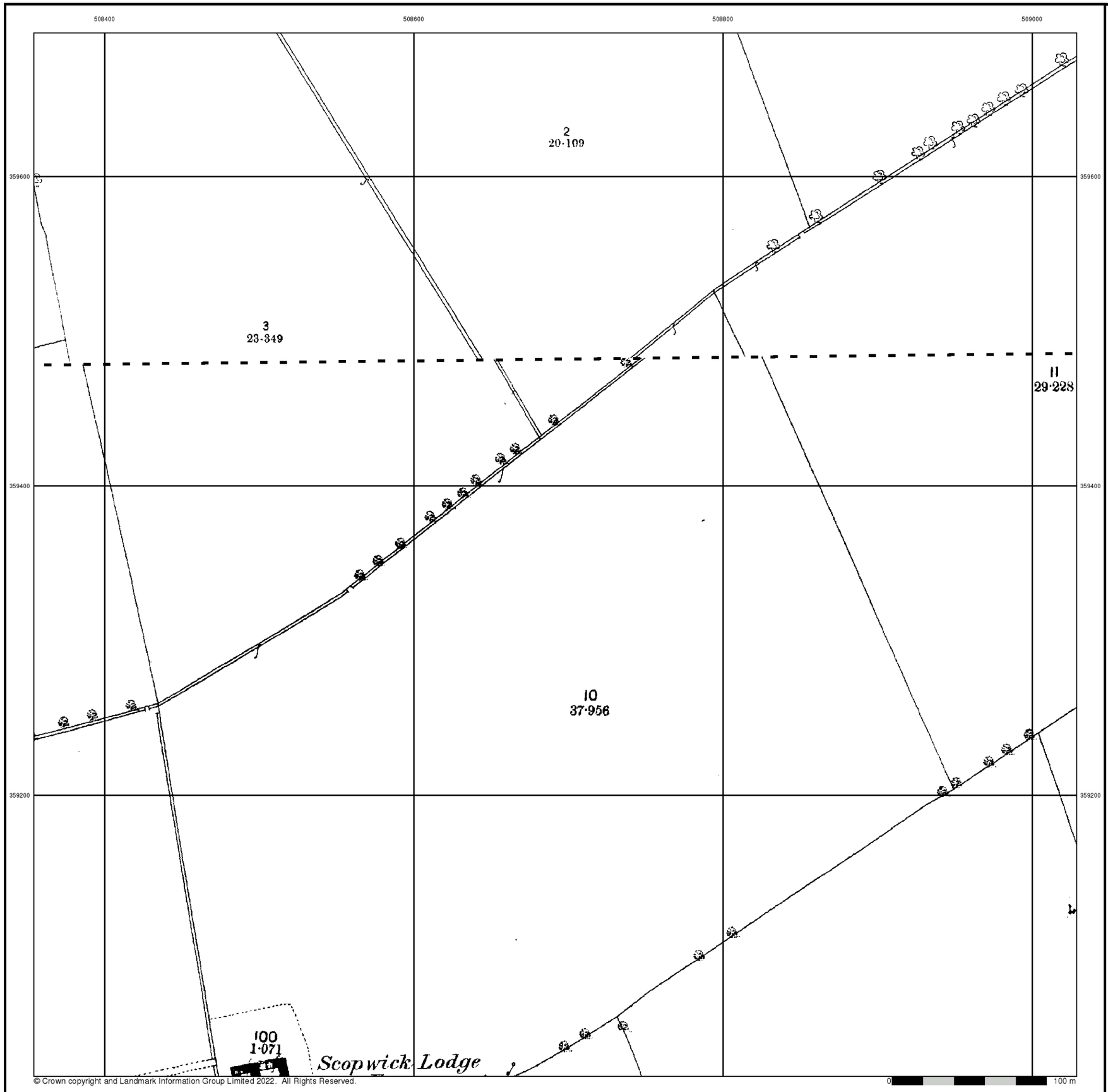

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RSK

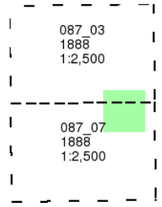
Lincolnshire

Published 1888

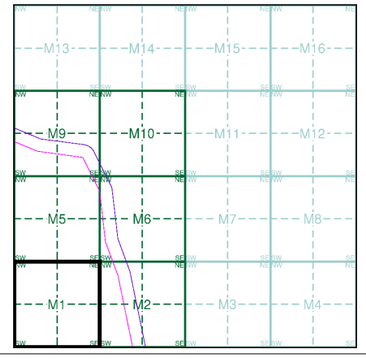
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment M1



Order Details

Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

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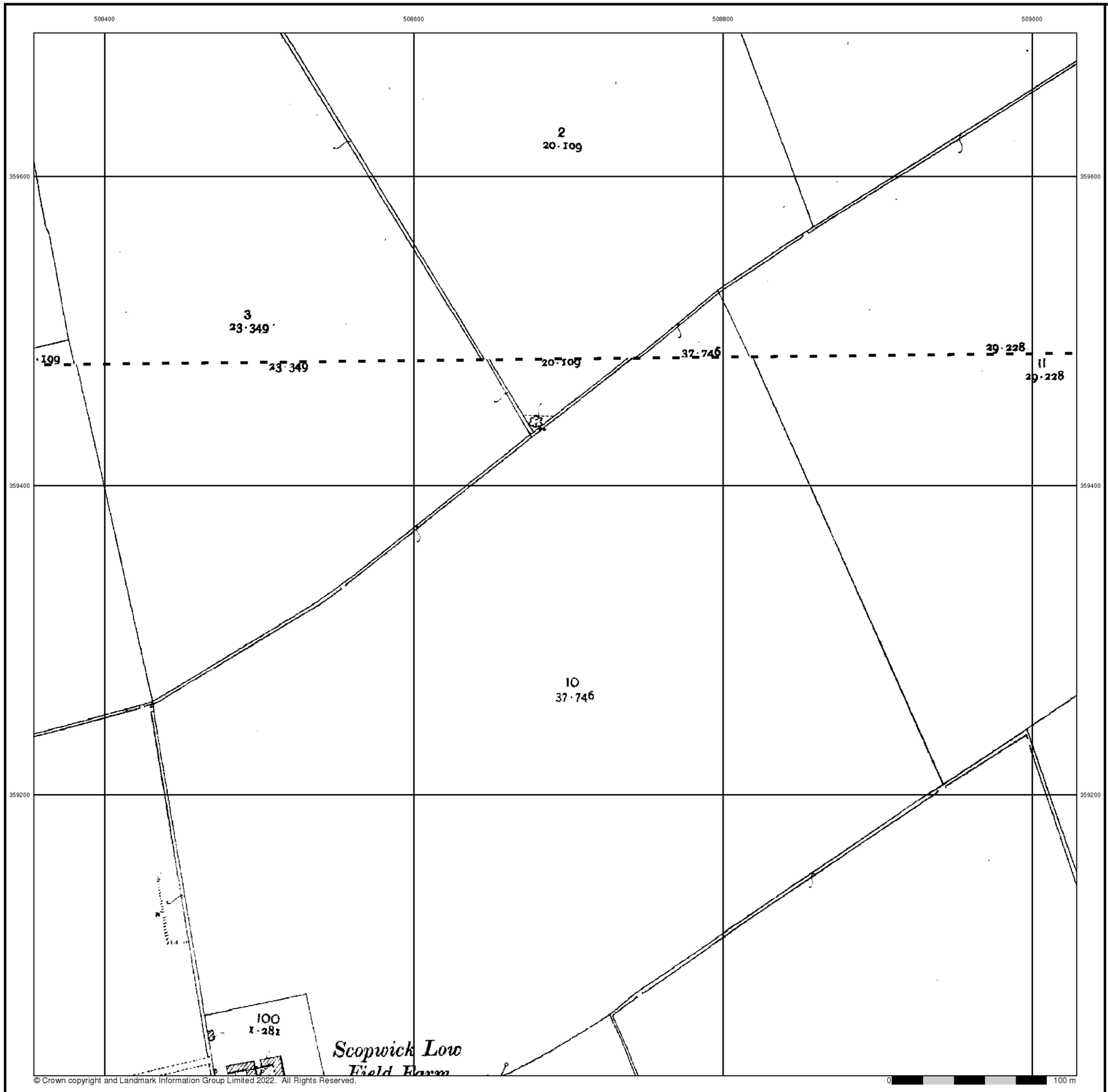
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Lincolnshire

Published 1905

Source map scale - 1:2,500

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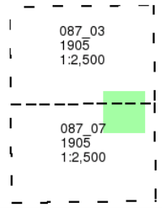
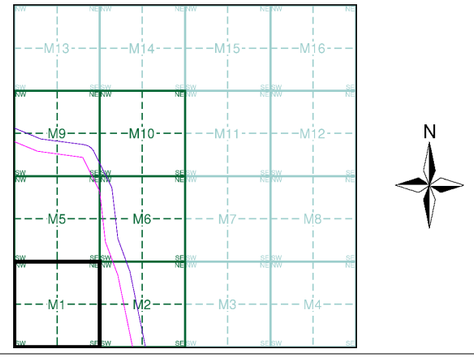


Historical Map - Segment M1



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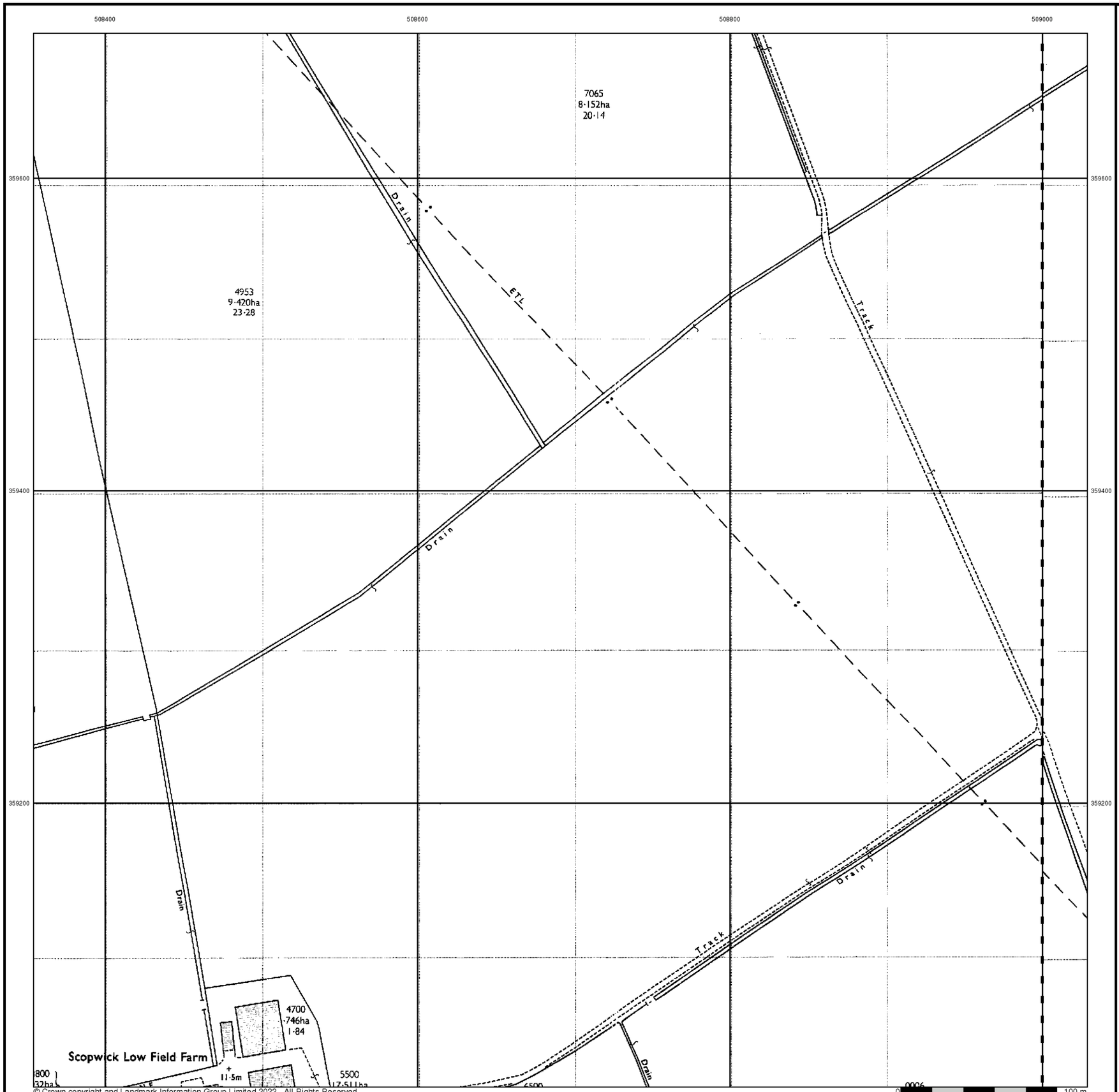

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RSK

Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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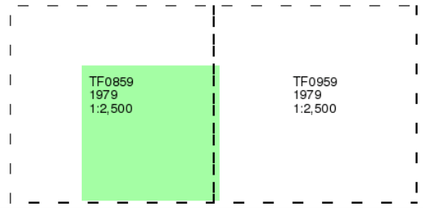
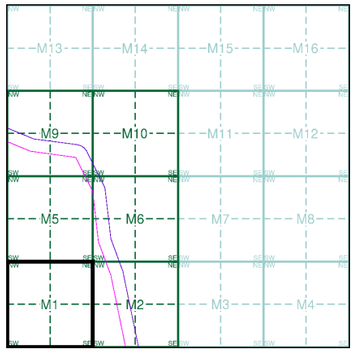


Historical Map - Segment M1



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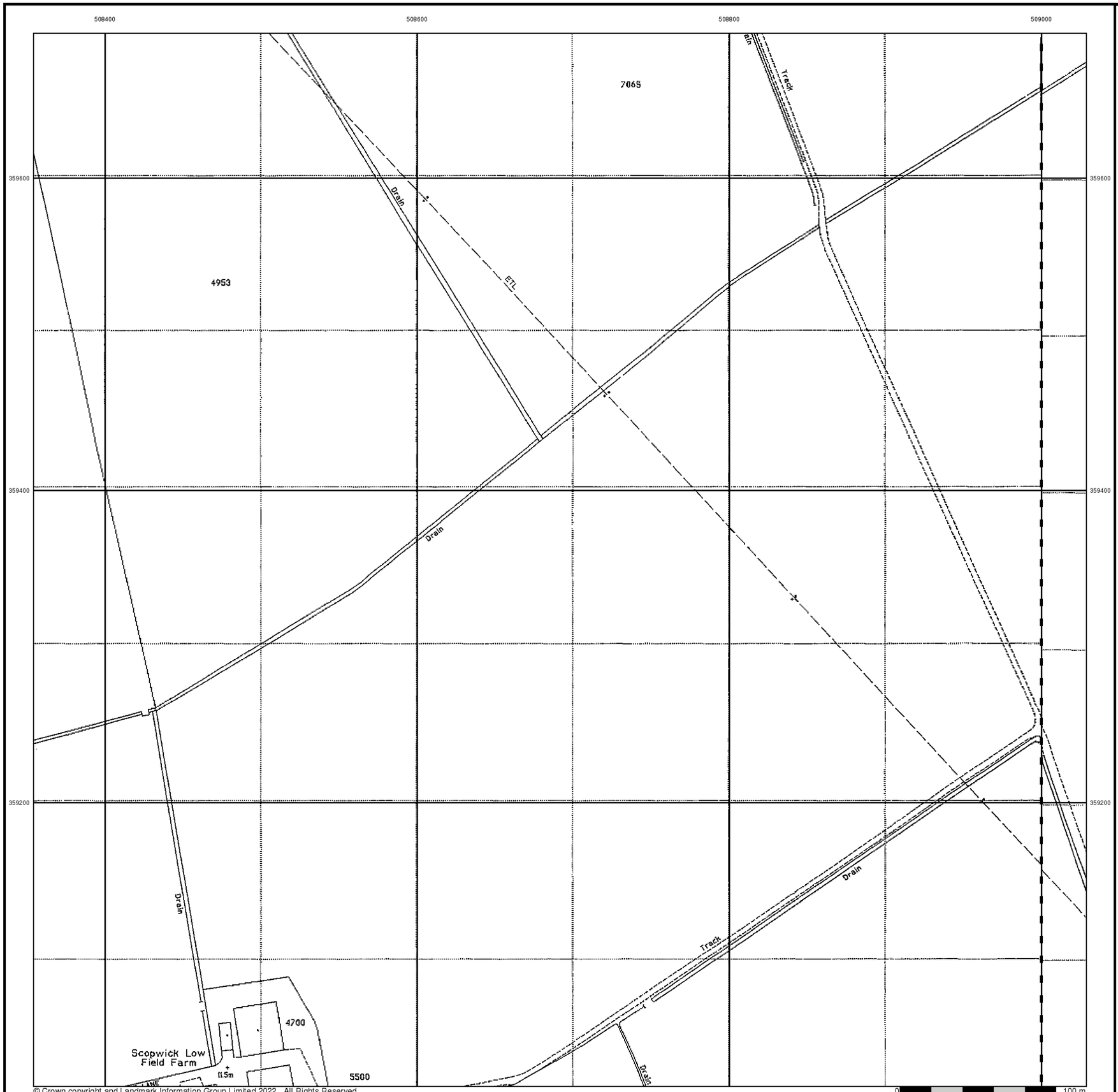

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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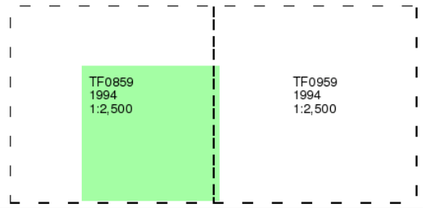
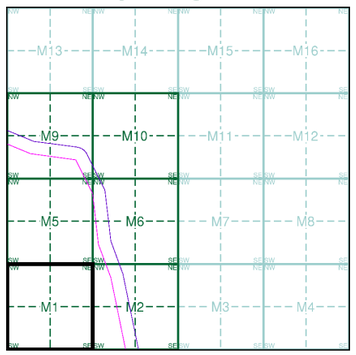
Map Name(s) and Date(s)



Historical Map - Segment M1



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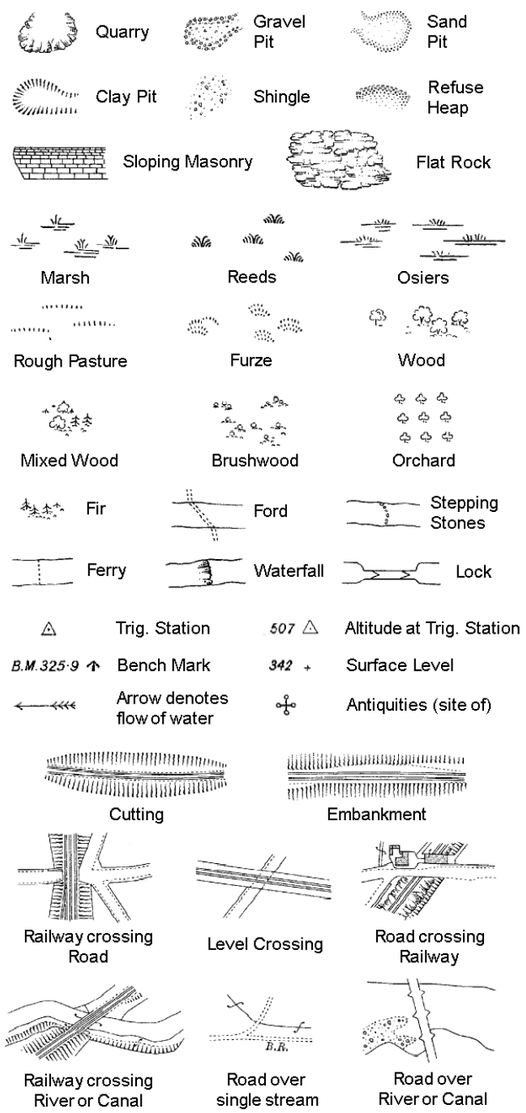
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

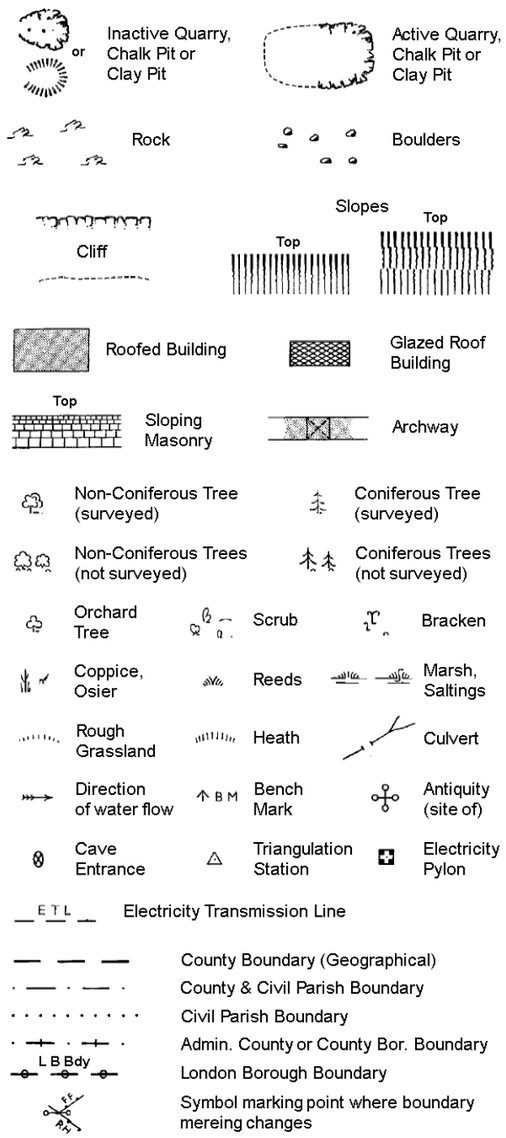
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

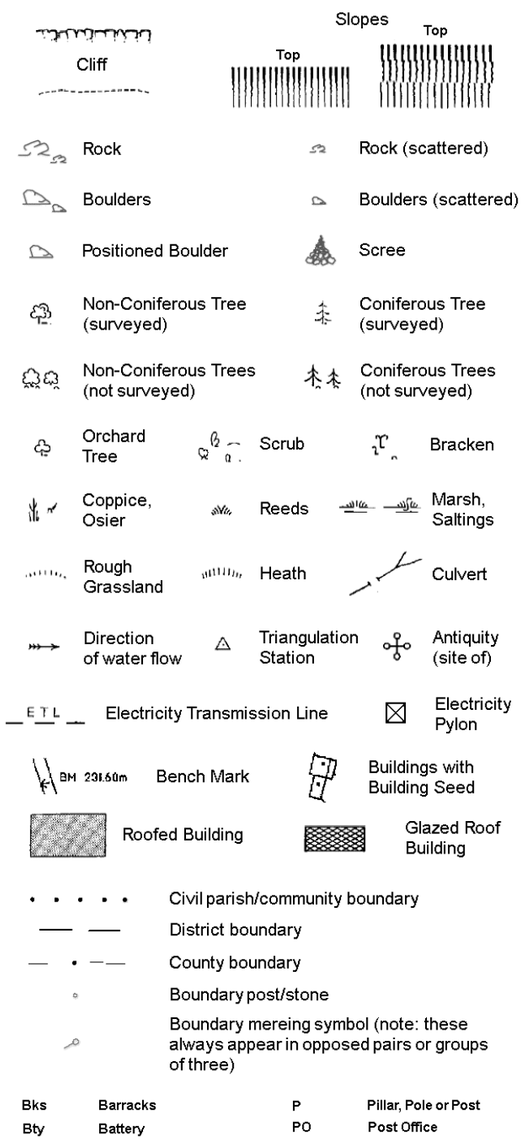
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

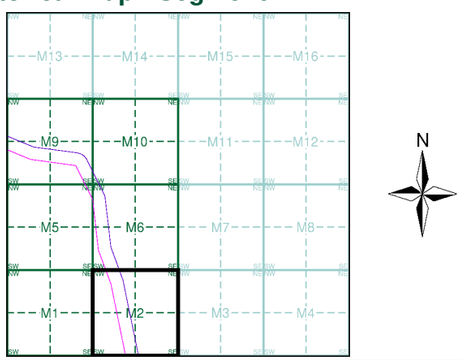
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1979	4
Large-Scale National Grid Data	1:2,500	1994	5

Historical Map - Segment M2



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 509180, 360170
Slice: M
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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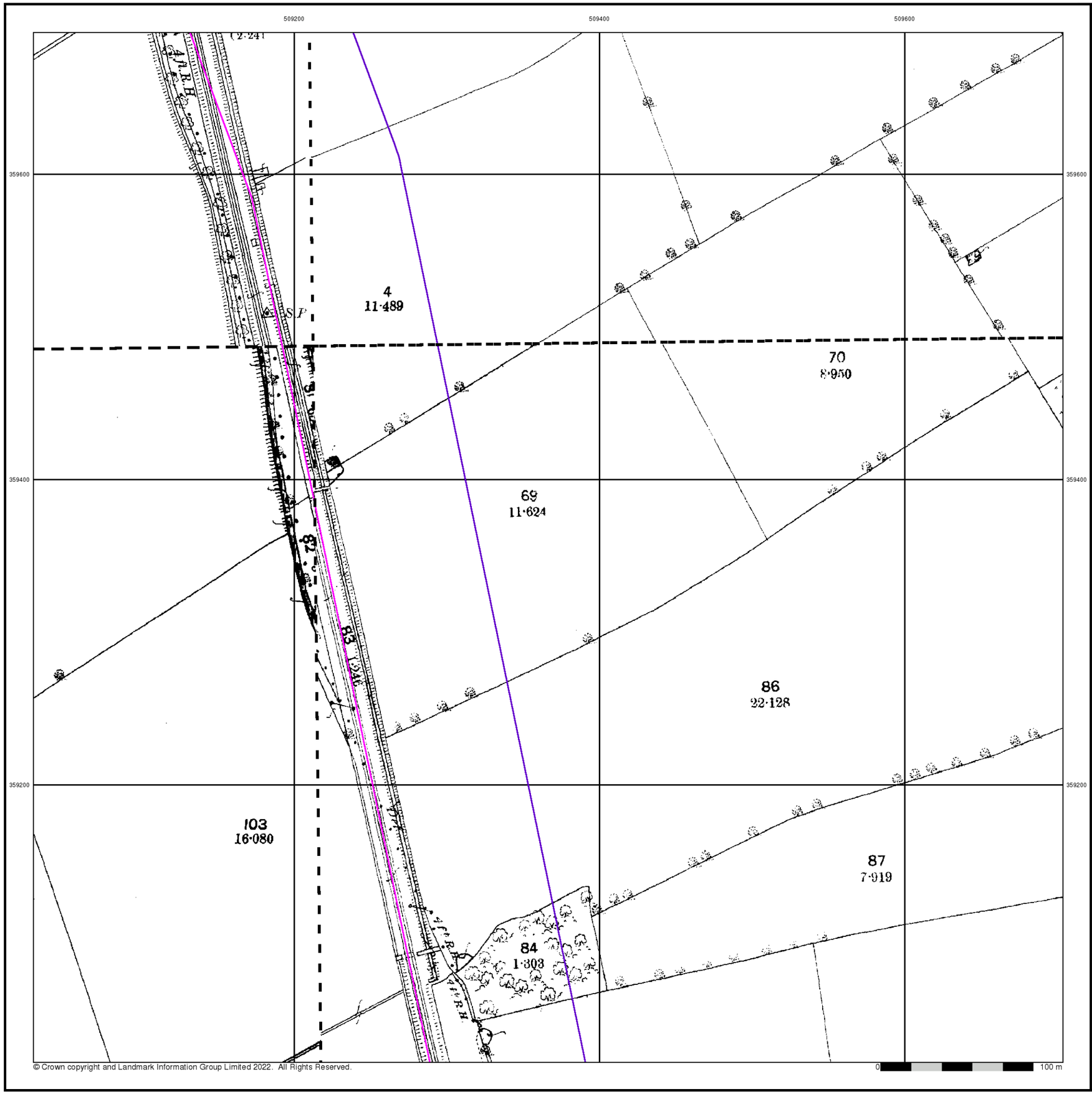
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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0 100 m

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Lincolnshire

Published 1888

Source map scale - 1:2,500

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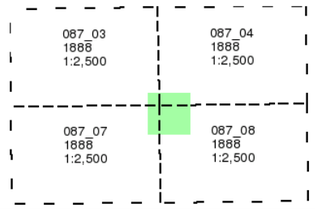
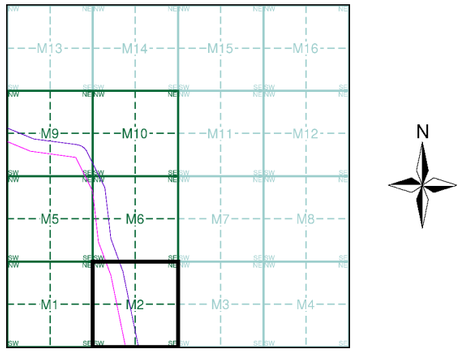


Historical Map - Segment M2



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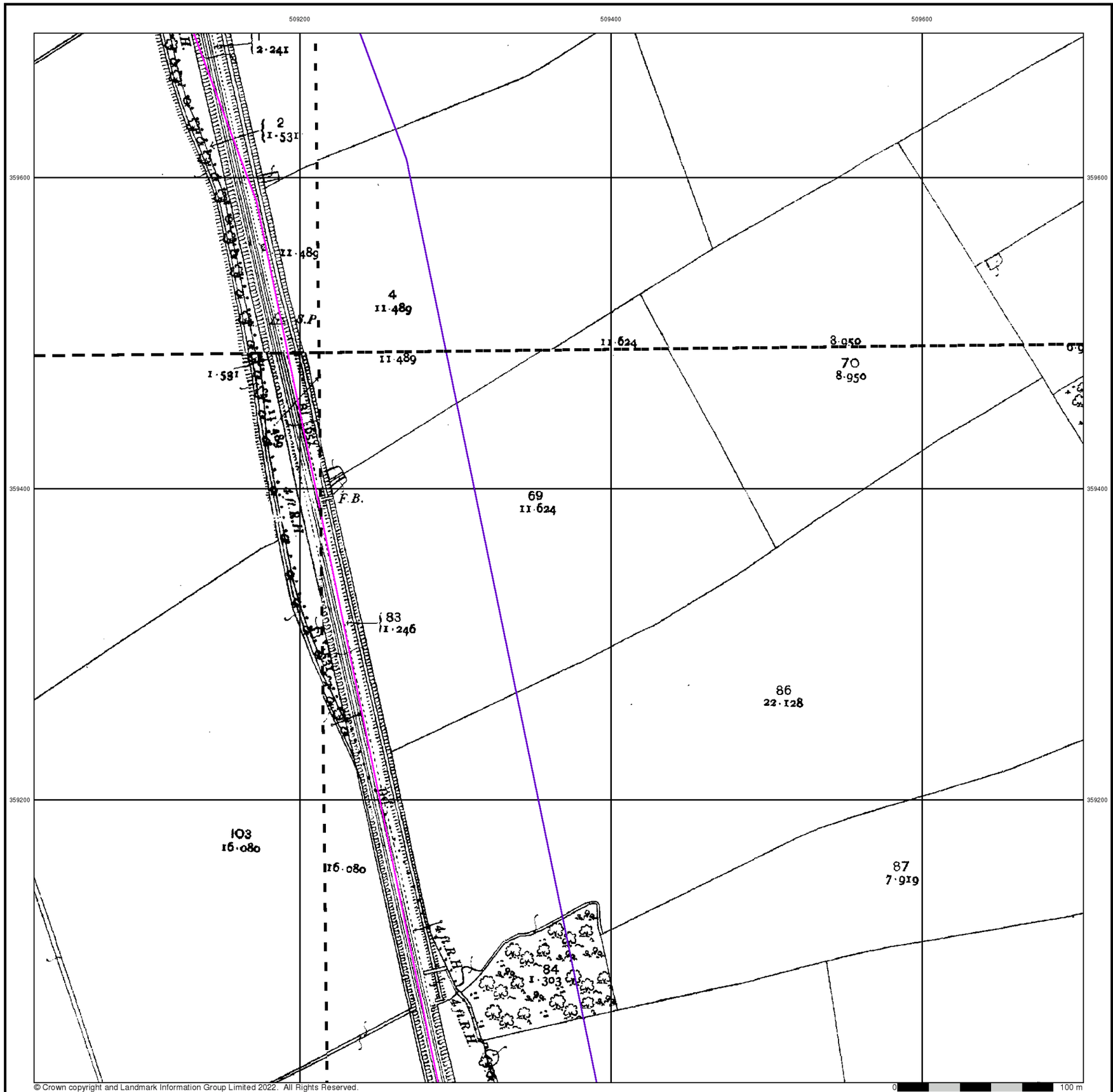

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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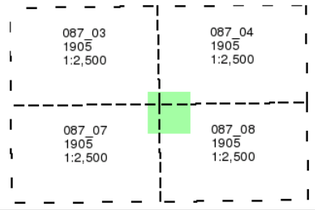
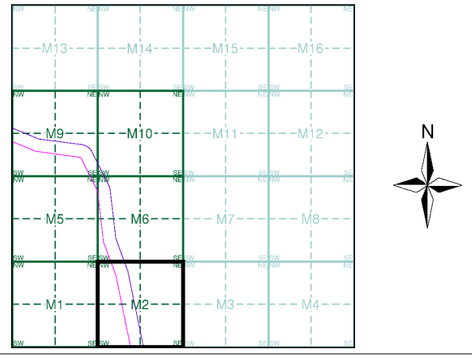


Historical Map - Segment M2



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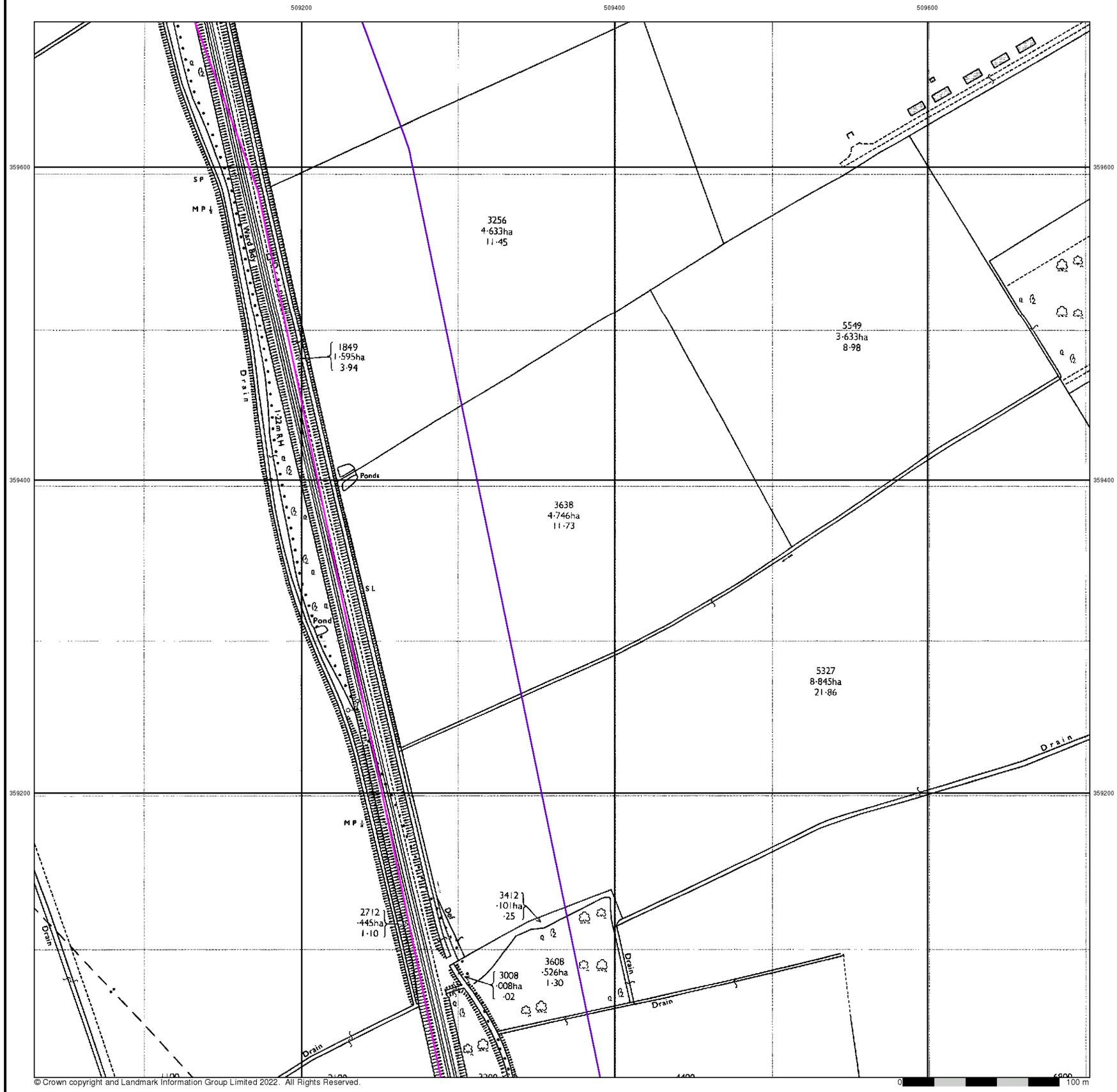

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Ordnance Survey Plan

Published 1979

Source map scale - 1:2,500

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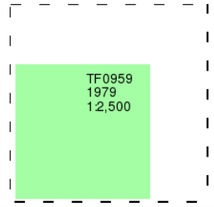
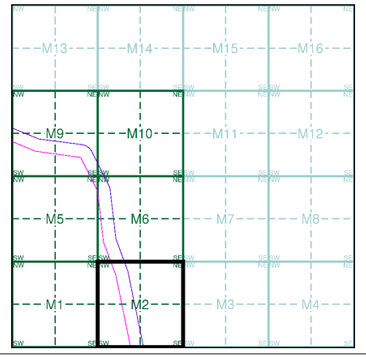


Historical Map - Segment M2



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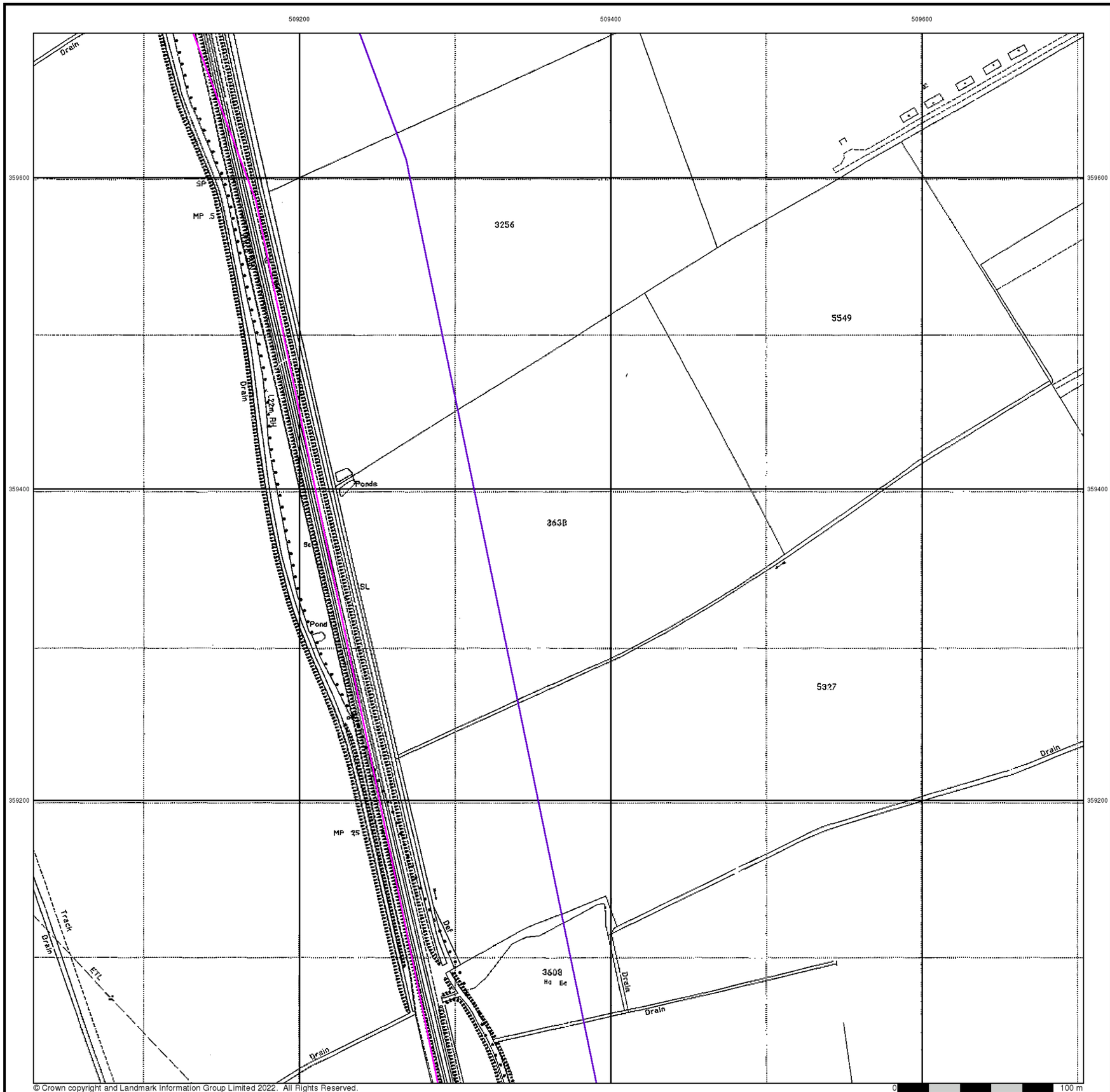

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Large-Scale National Grid Data

Published 1994

Source map scale - 1:2,500

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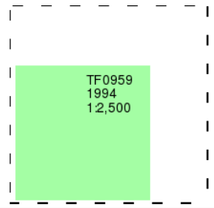
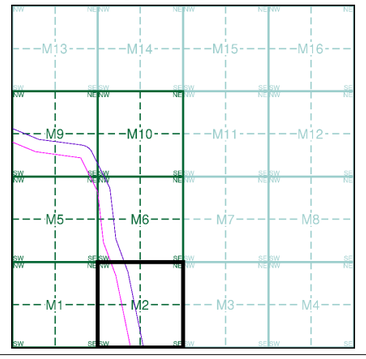


Historical Map - Segment M2



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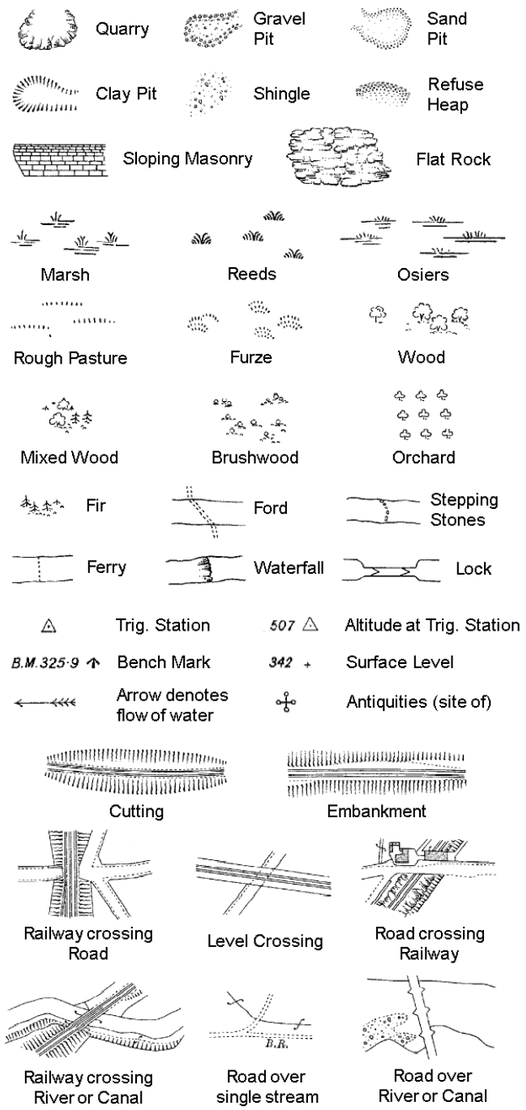
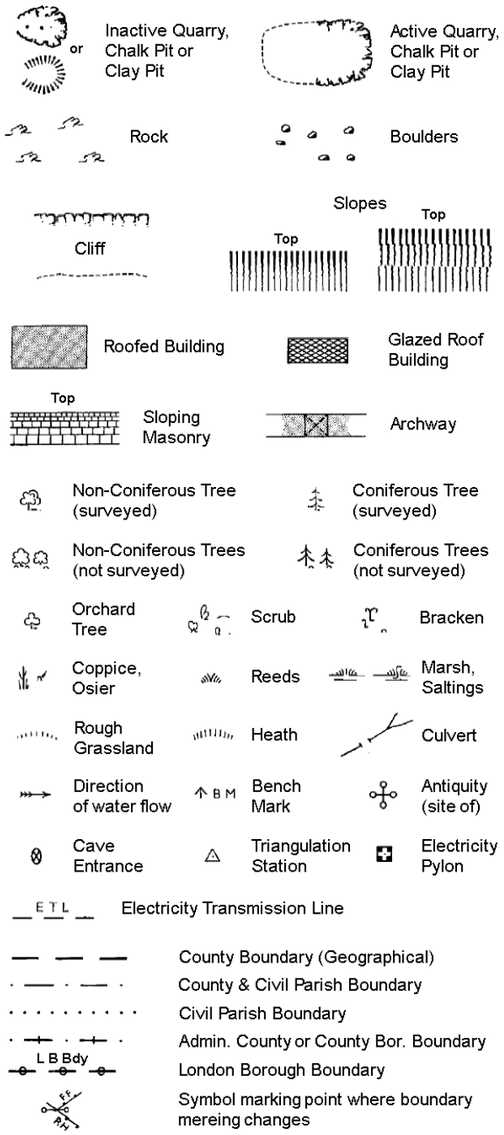
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



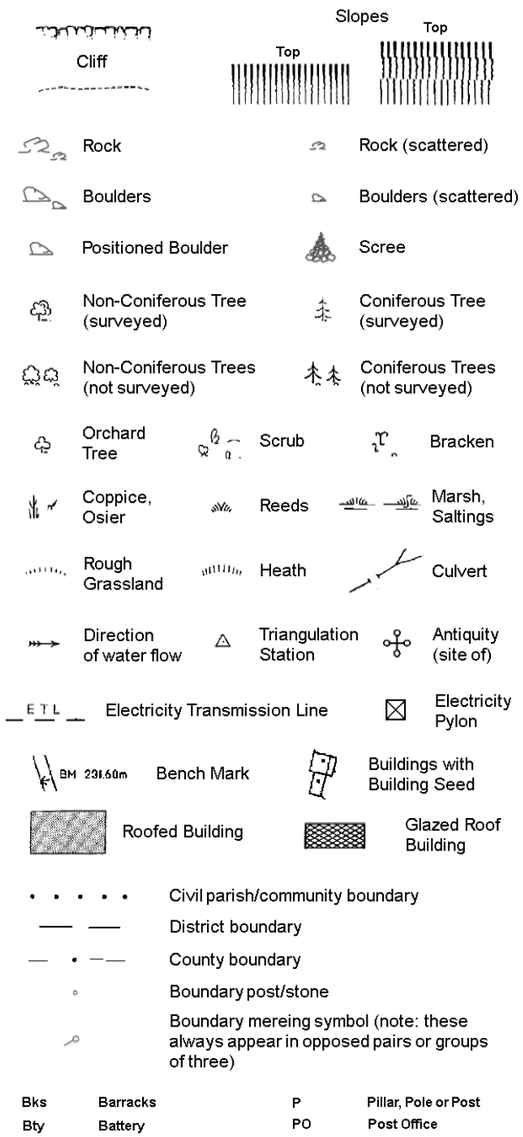
B.P B.S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



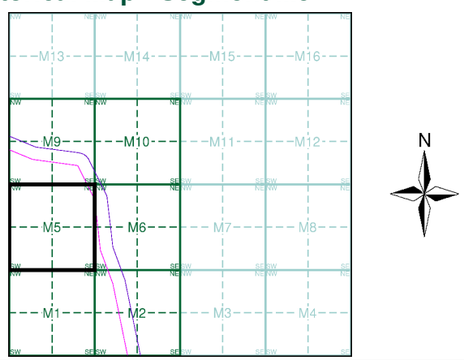
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973 - 1979	4
Large-Scale National Grid Data	1:2,500	1994 - 1995	5

Historical Map - Segment M5



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 509180, 360170
Slice: M
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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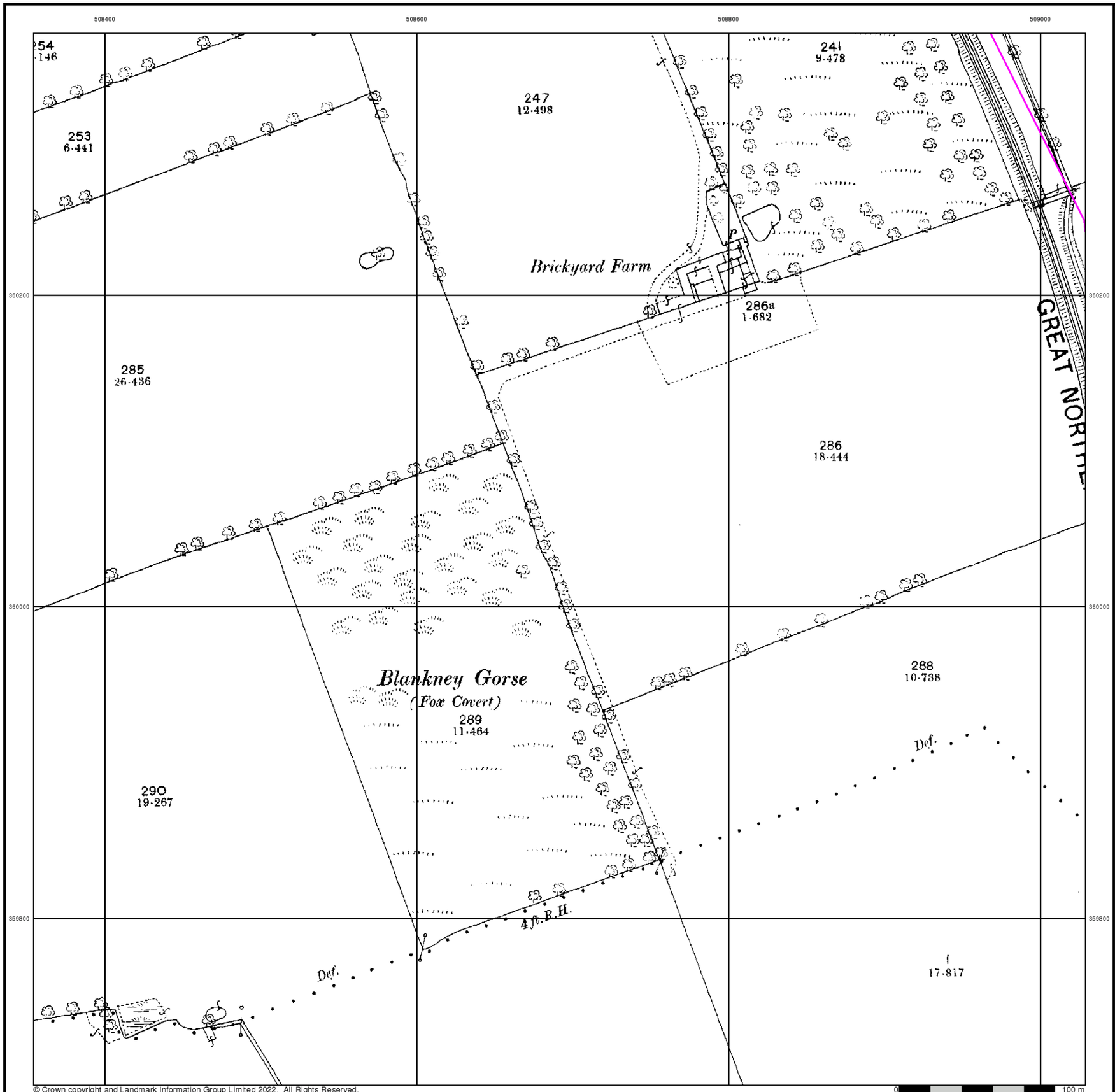
Web: www.envirocheck.co.uk



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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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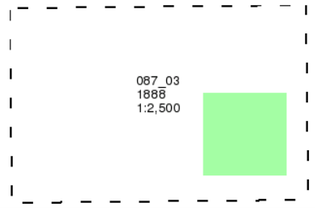
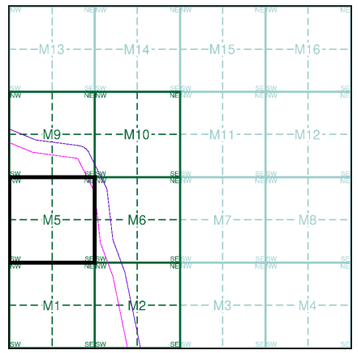


Historical Map - Segment M5



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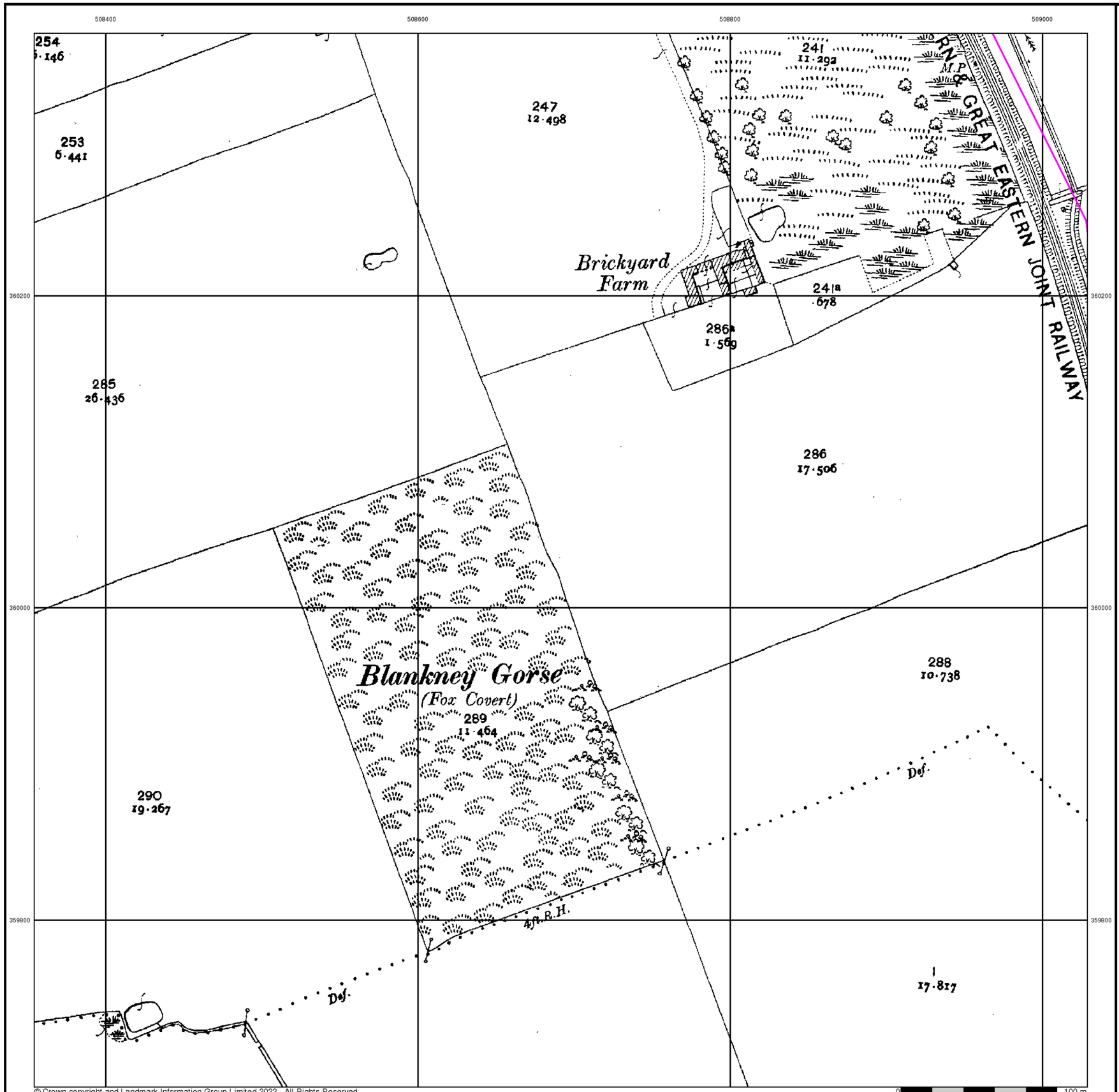

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RSK

Lincolnshire

Published 1905

Source map scale - 1:2,500

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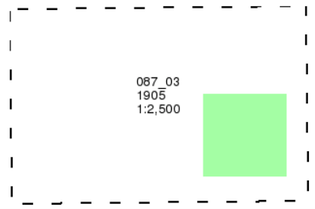
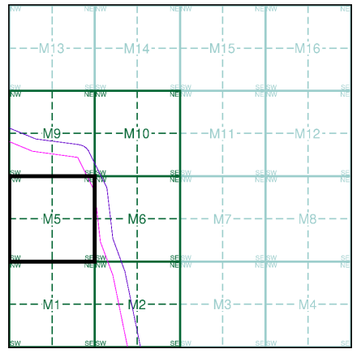


Historical Map - Segment M5



Order Details

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Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
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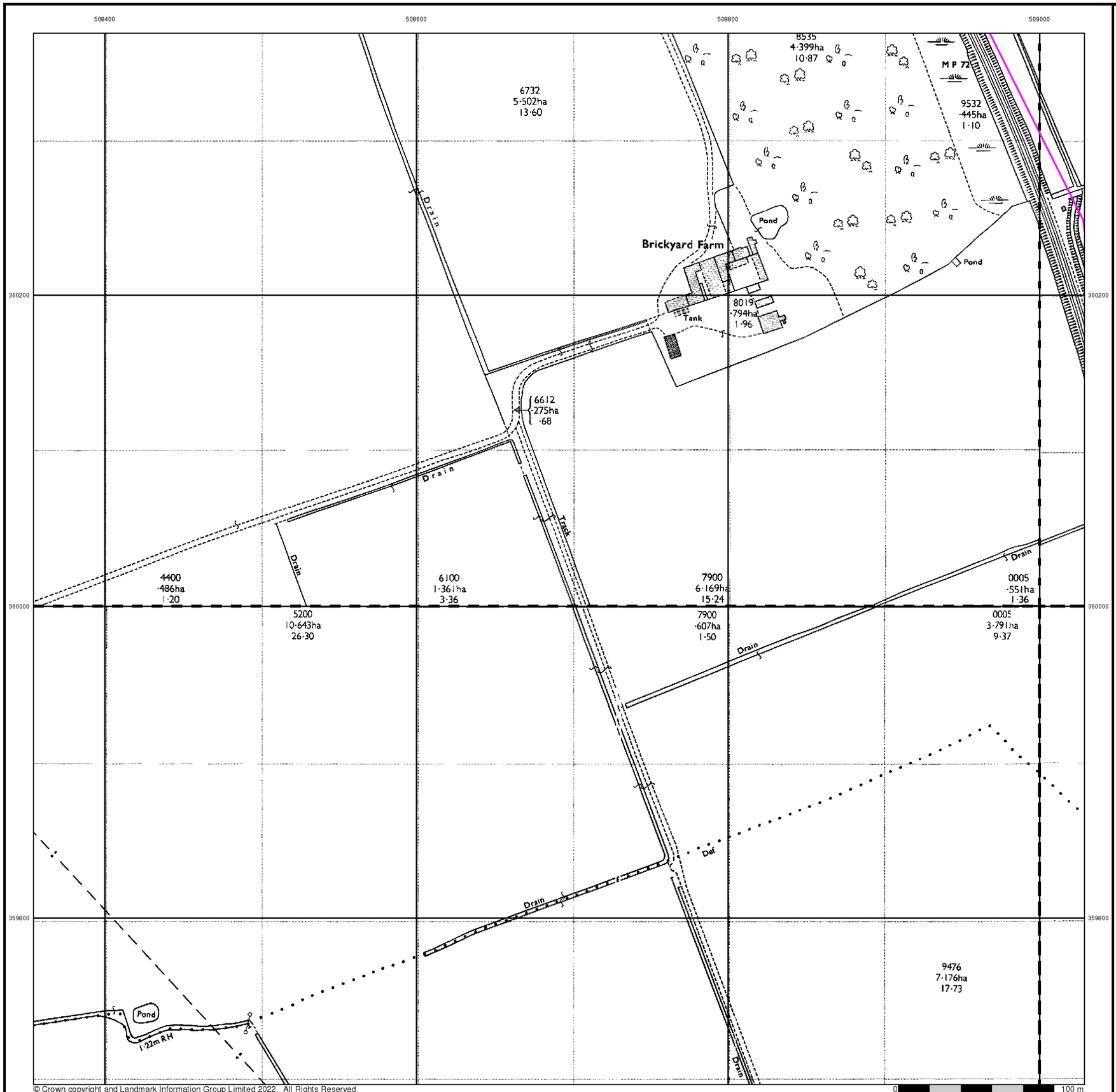

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RSK

Ordnance Survey Plan

Published 1973 - 1979

Source map scale - 1:2,500

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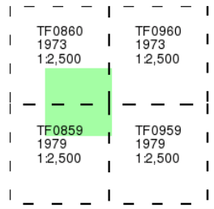
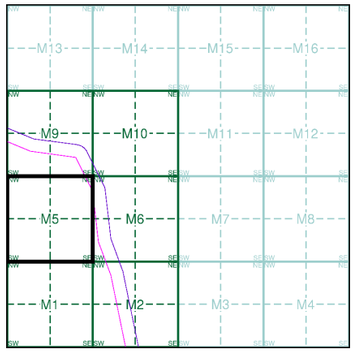


Historical Map - Segment M5



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RSK

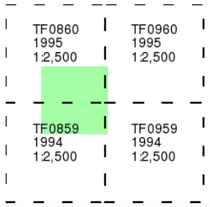
Large-Scale National Grid Data

Published 1994 - 1995

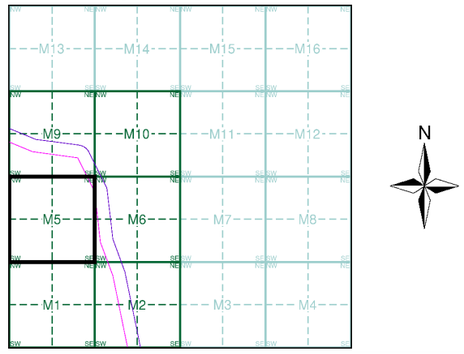
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment M5



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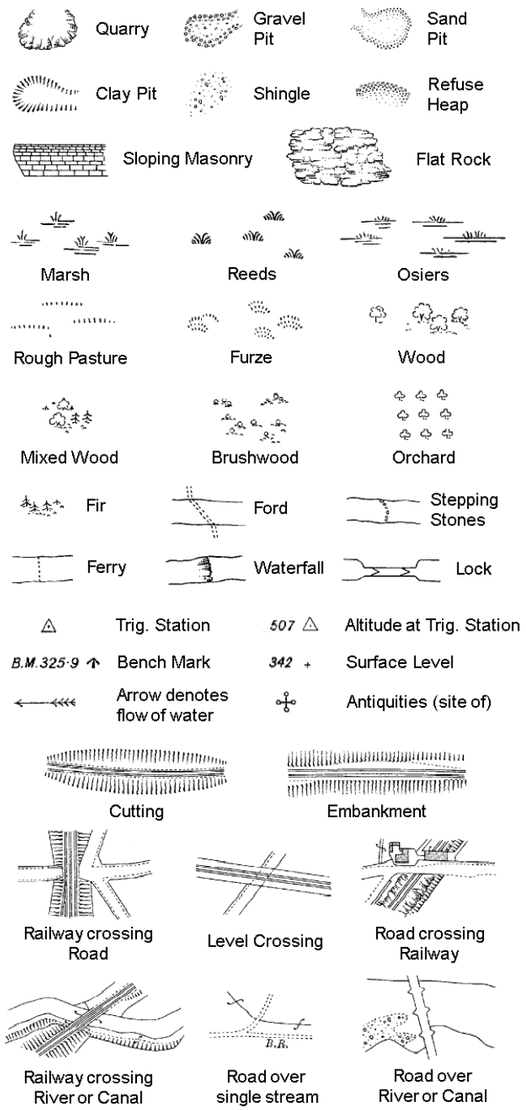
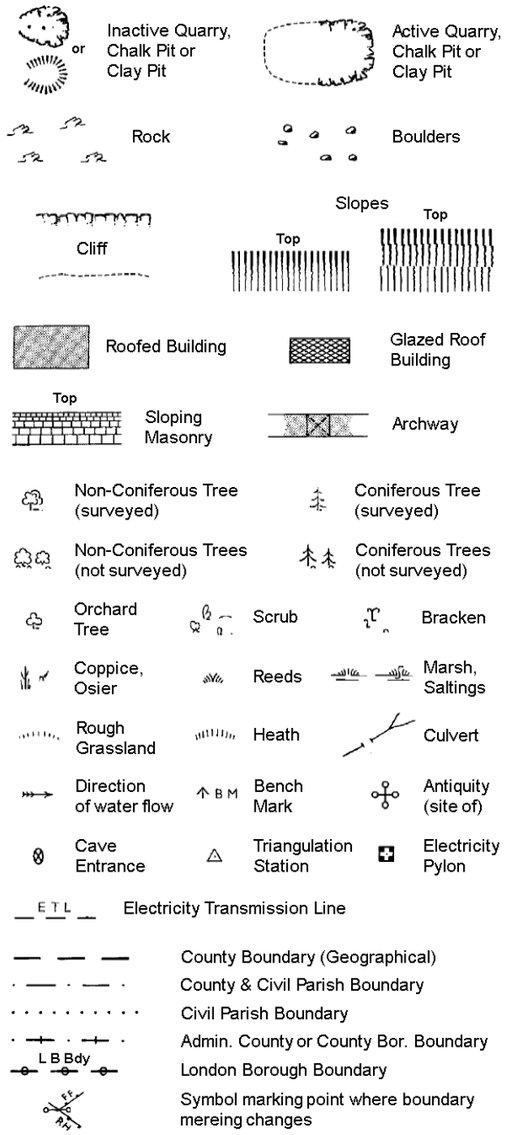
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



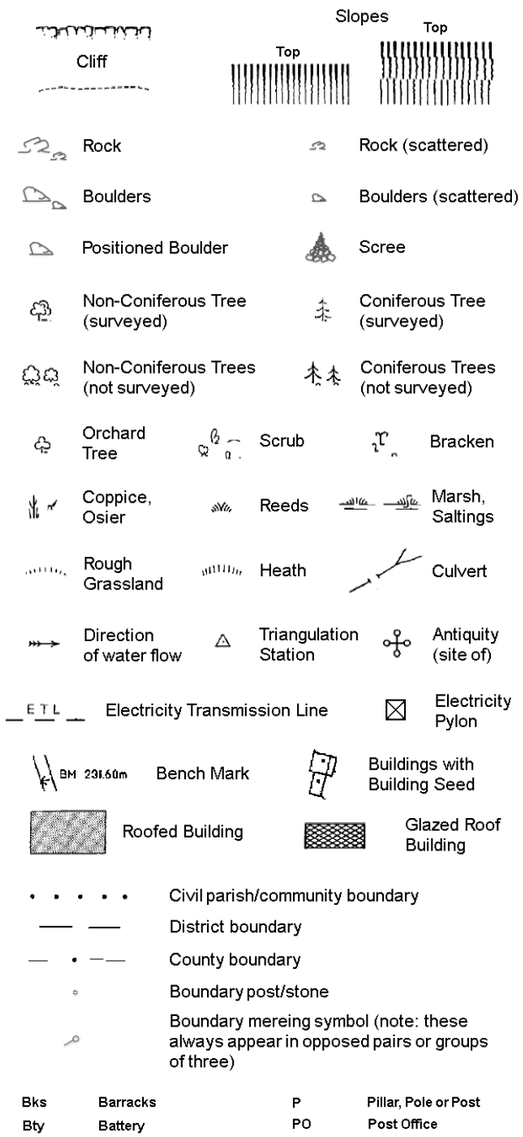
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



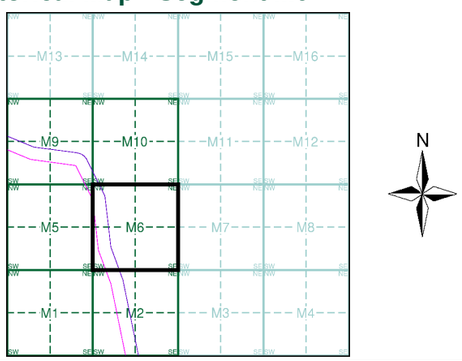
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973 - 1979	4
Large-Scale National Grid Data	1:2,500	1994 - 1995	5

Historical Map - Segment M6



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
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Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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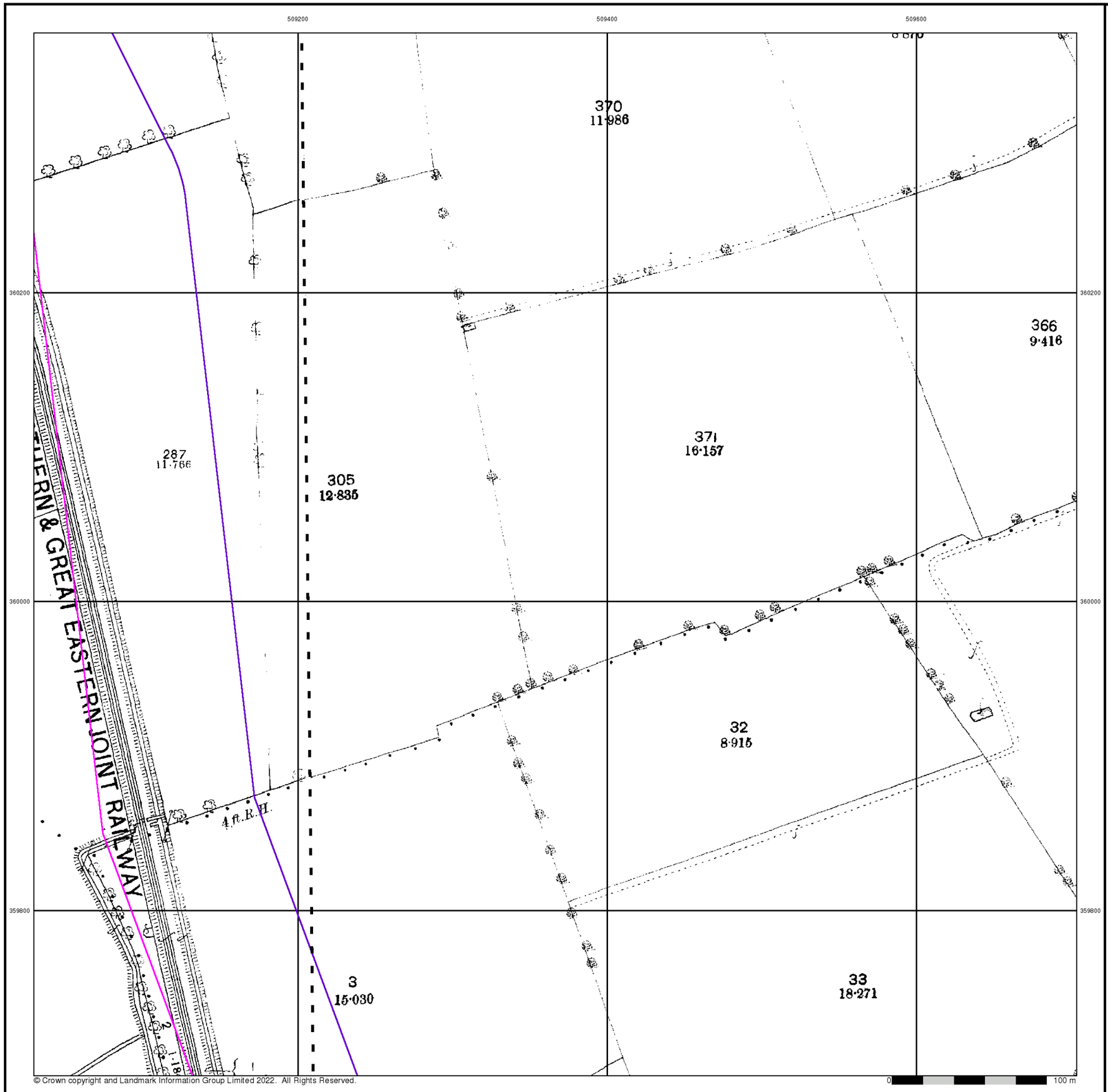

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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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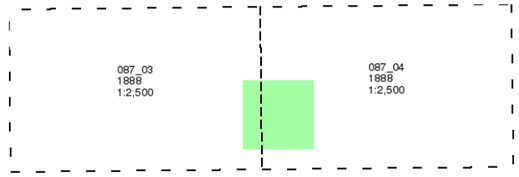
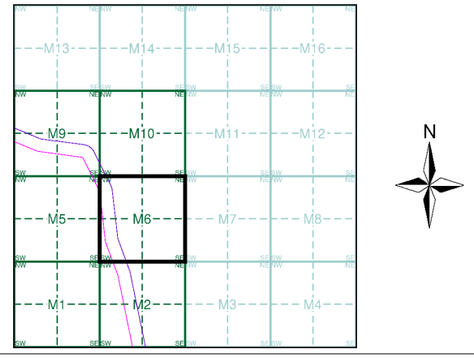


Historical Map - Segment M6



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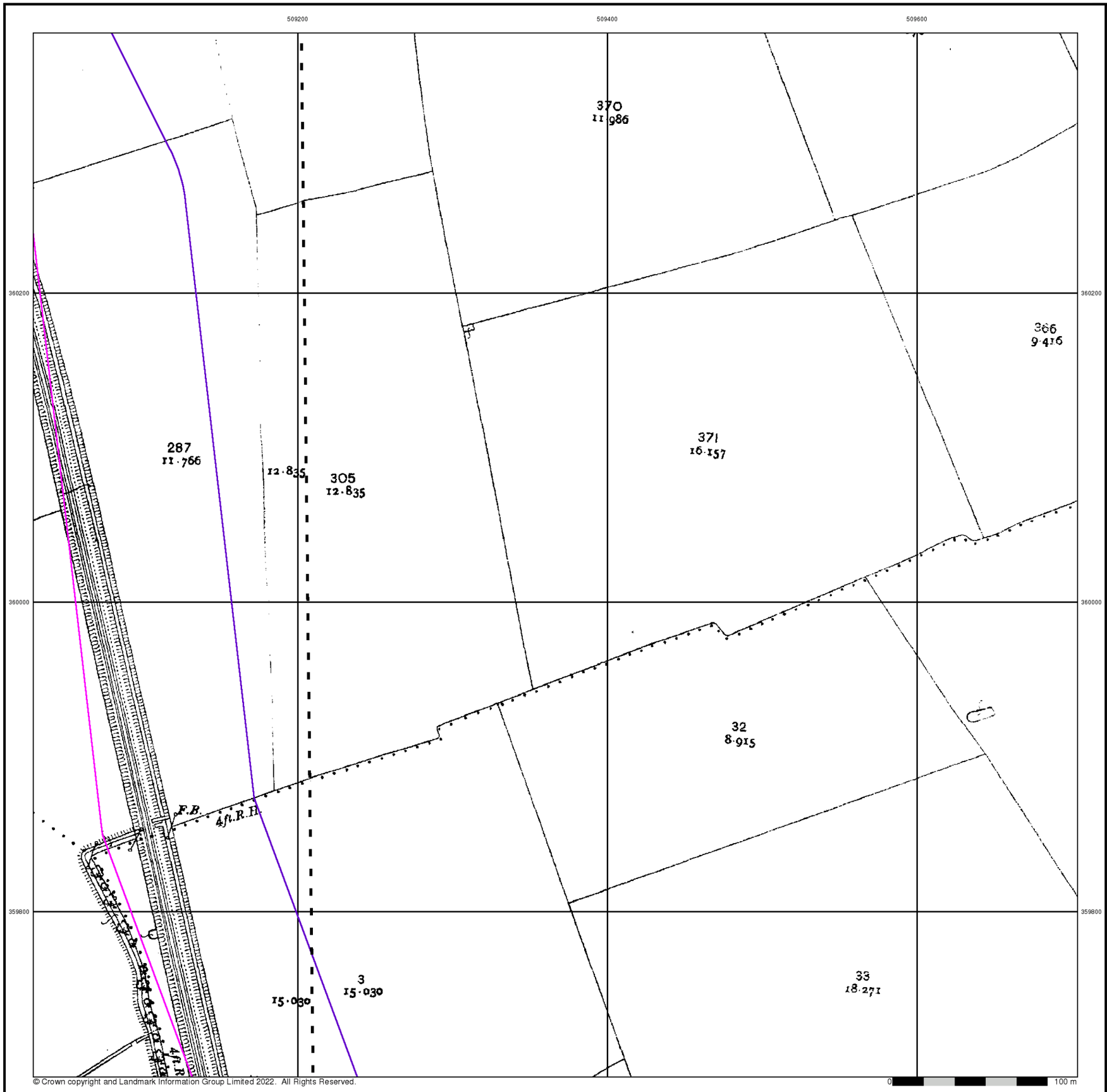

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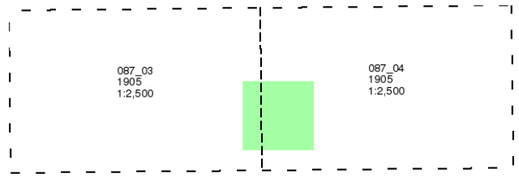
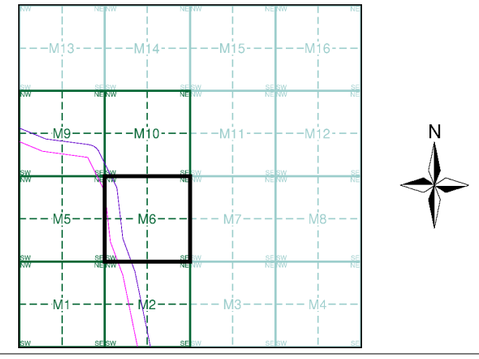


Historical Map - Segment M6



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Ordnance Survey Plan

Published 1973 - 1979

Source map scale - 1:2,500

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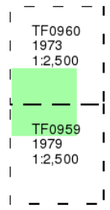

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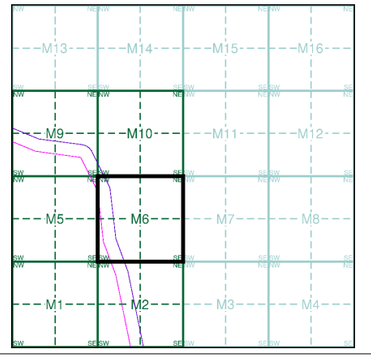

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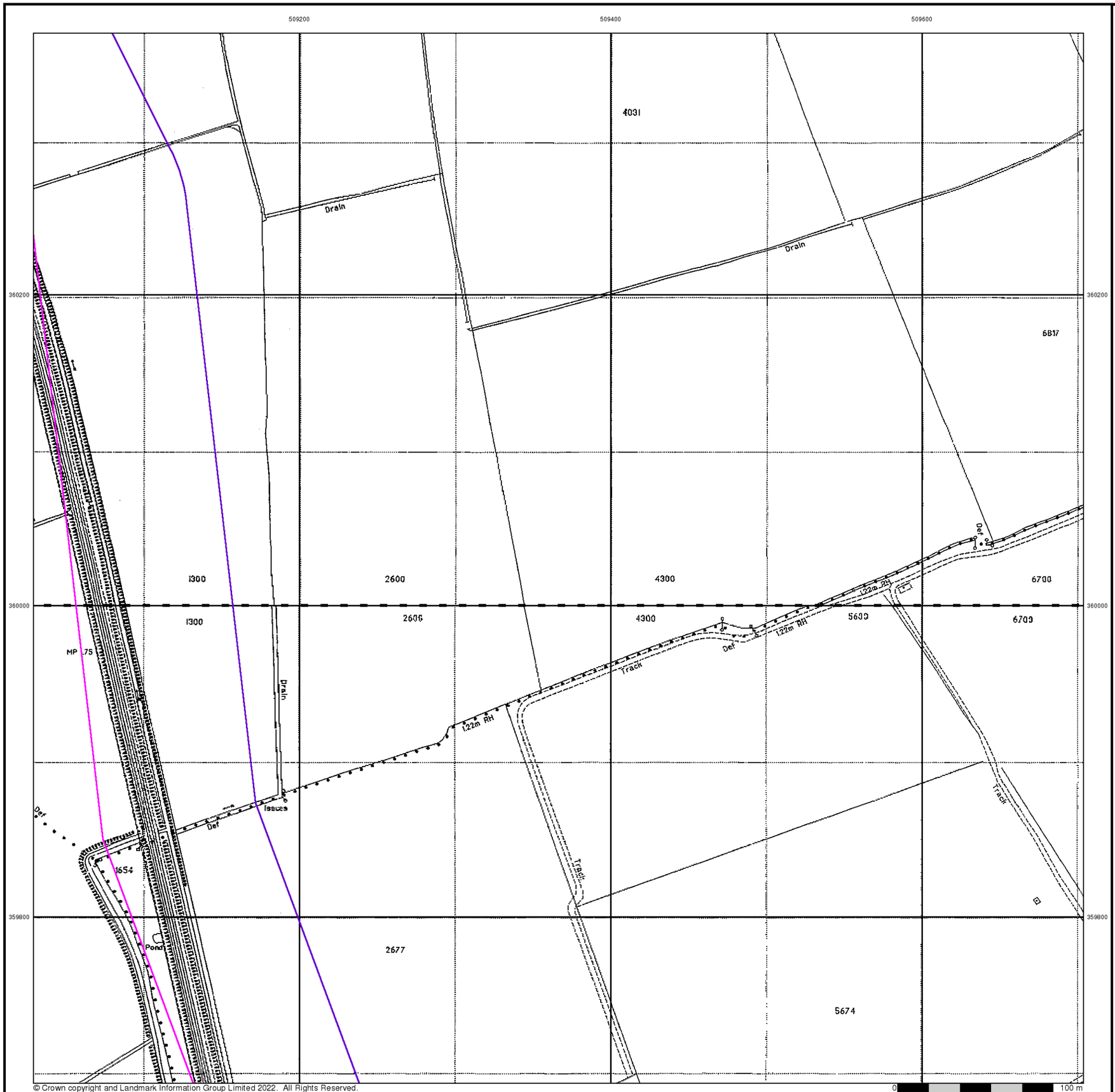

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0 100 m

RSK

Large-Scale National Grid Data

Published 1994 - 1995

Source map scale - 1:2,500

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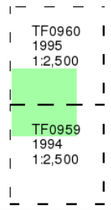
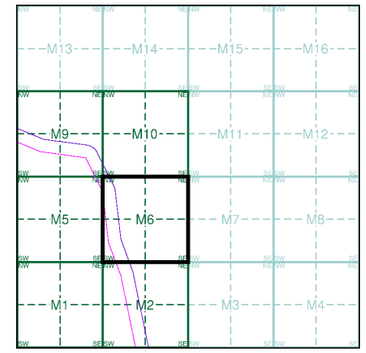


Historical Map - Segment M6



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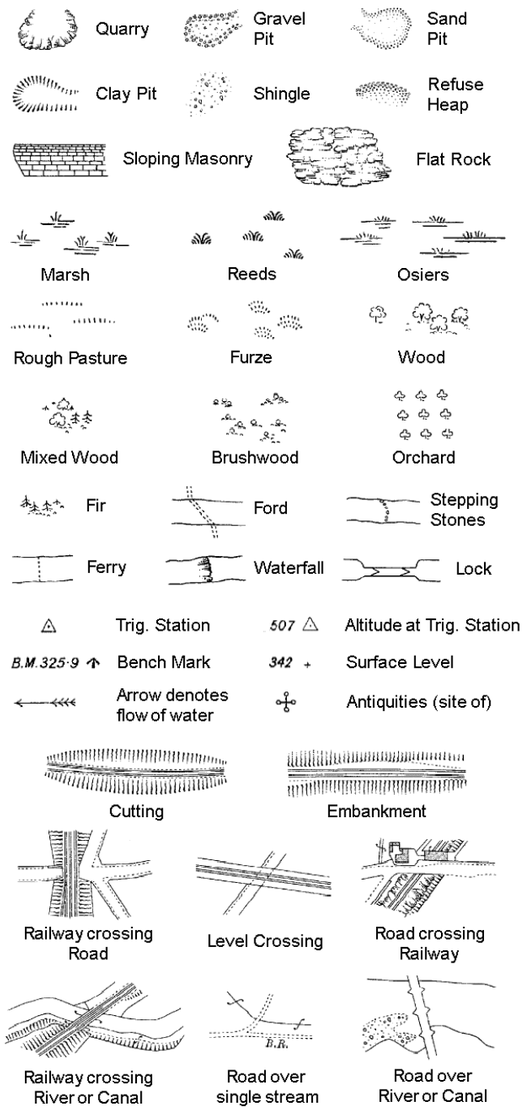
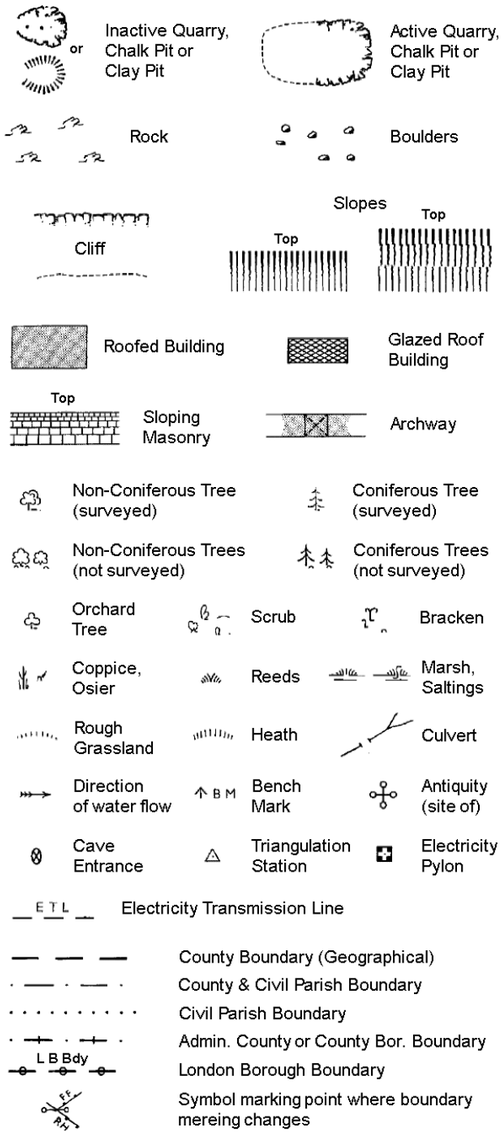
Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



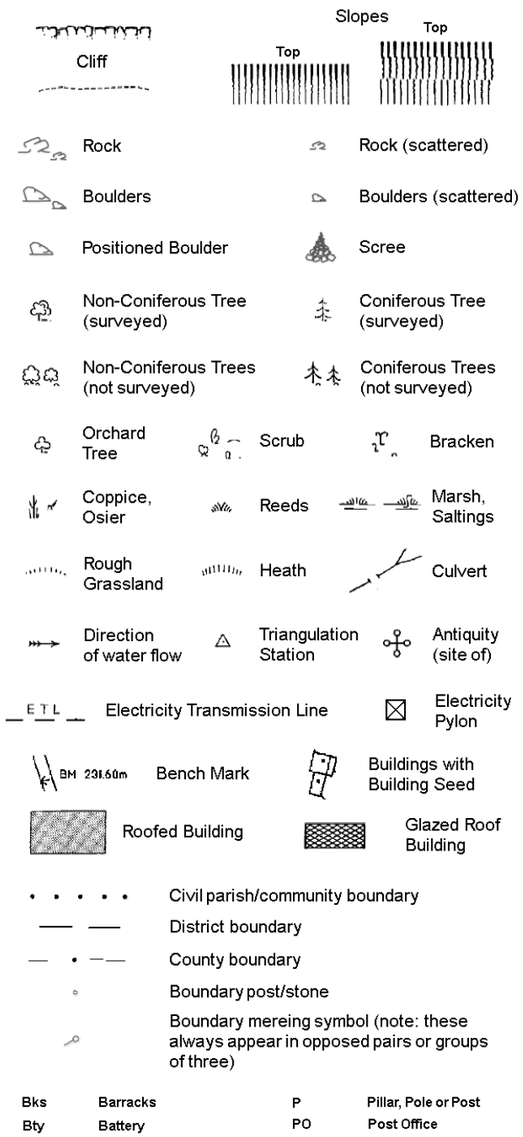
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



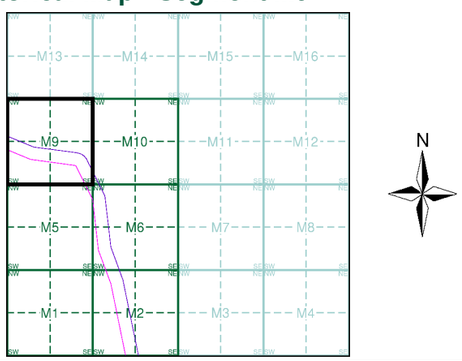
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lincolnshire	1:2,500	1888	2
Lincolnshire	1:2,500	1905	3
Ordnance Survey Plan	1:2,500	1973	4
Large-Scale National Grid Data	1:2,500	1995	5
Large-Scale National Grid Data	1:2,500	1996	6

Historical Map - Segment M9



Order Details

Order Number: 303381609_1_1
Customer Ref: P02130089
National Grid Reference: 509180, 360170
Slice: M
Site Area (Ha): 1774.17
Search Buffer (m): 100

Site Details

All Areas New

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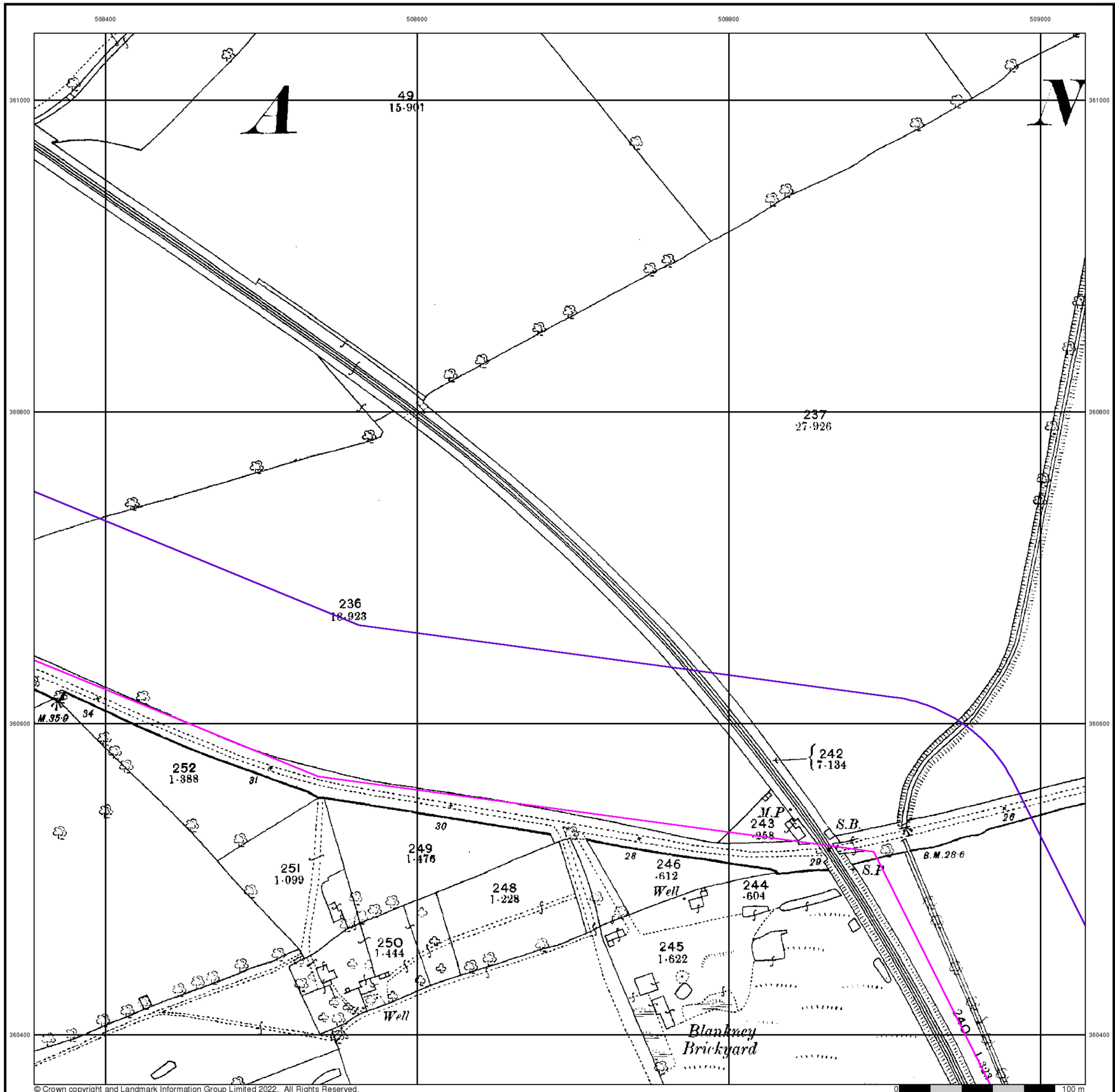

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RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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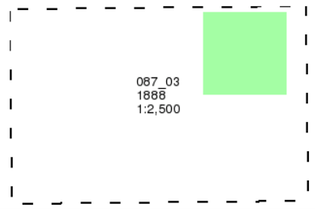
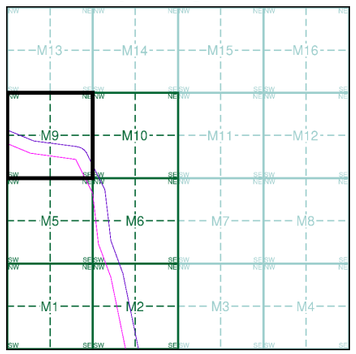


Historical Map - Segment M9



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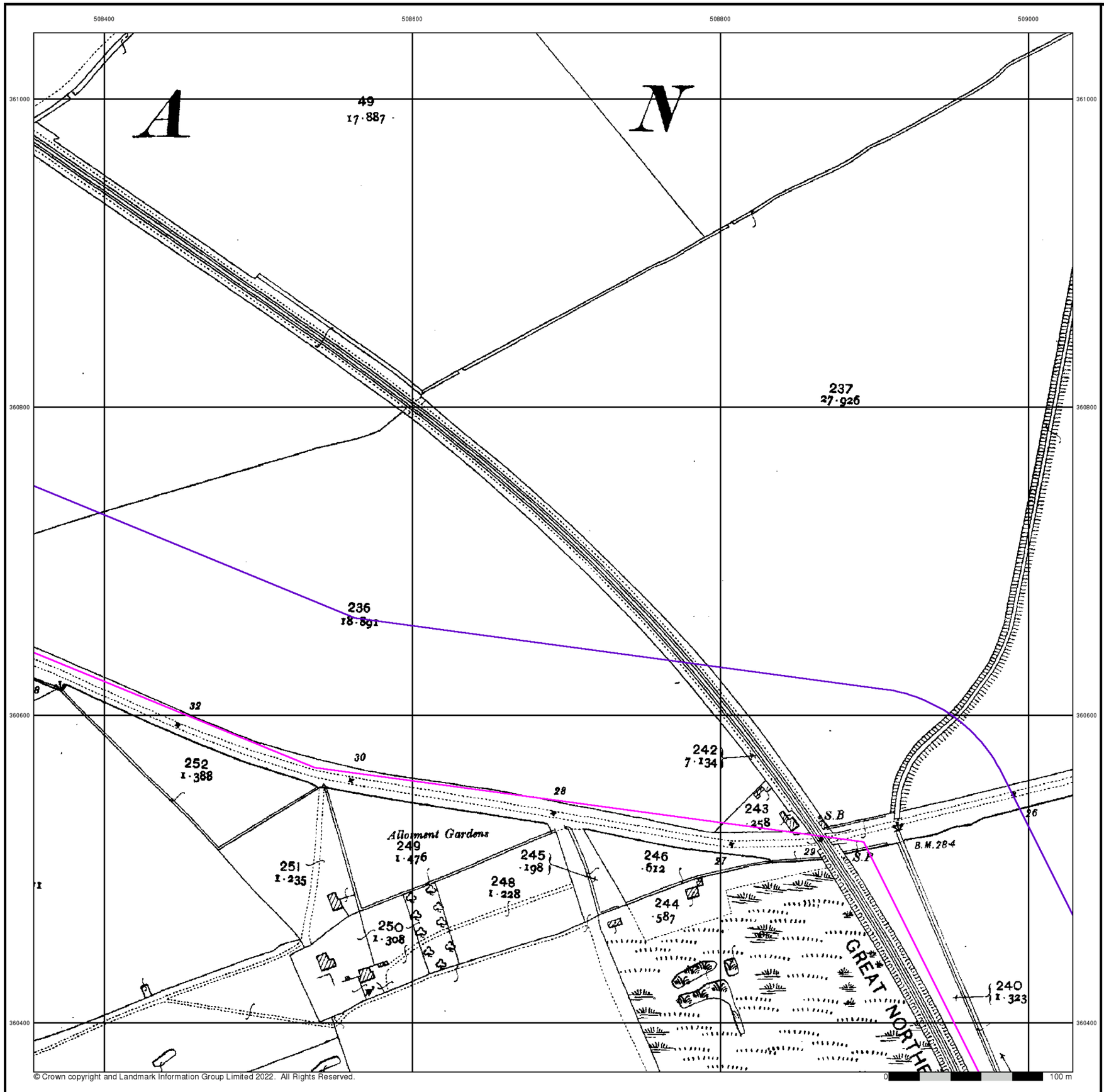

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Lincolnshire

Published 1905

Source map scale - 1:2,500

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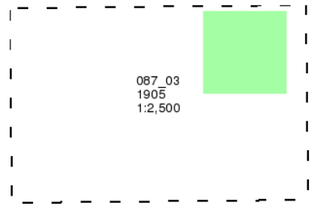
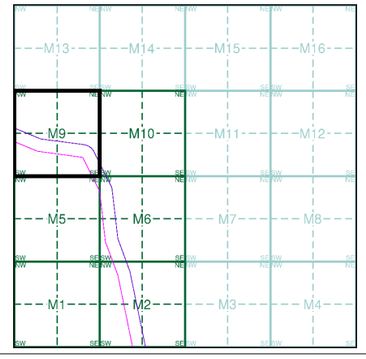


Historical Map - Segment M9



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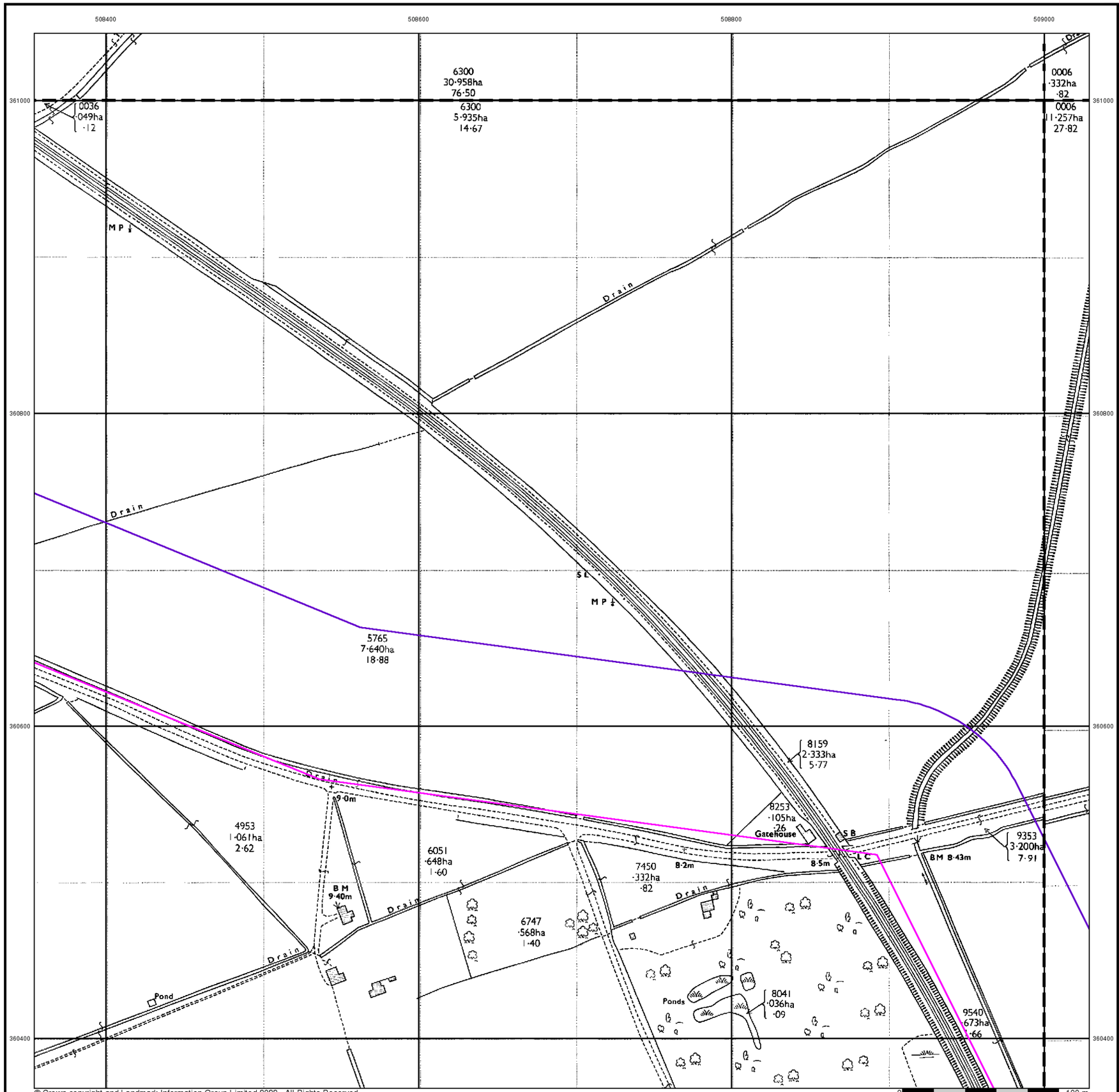

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Ordnance Survey Plan

Published 1973

Source map scale - 1:2,500

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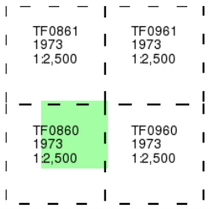
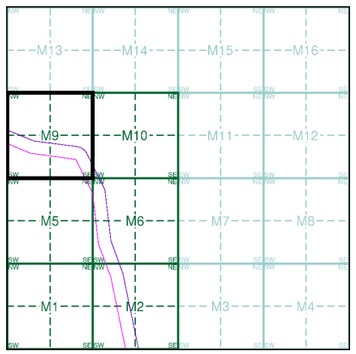


Historical Map - Segment M9



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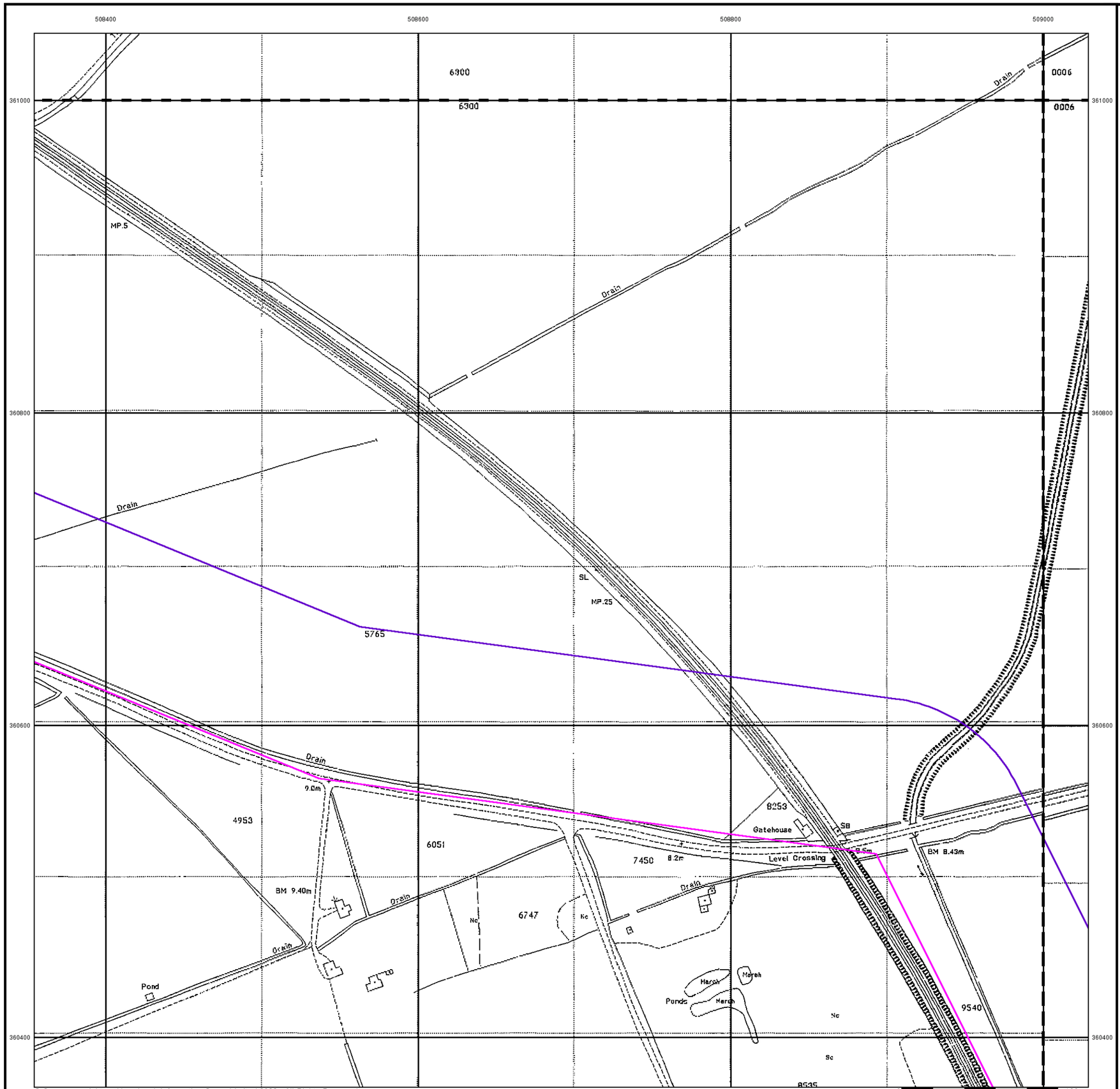

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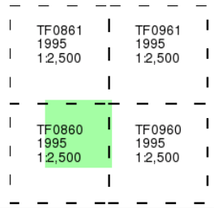
Large-Scale National Grid Data

Published 1995

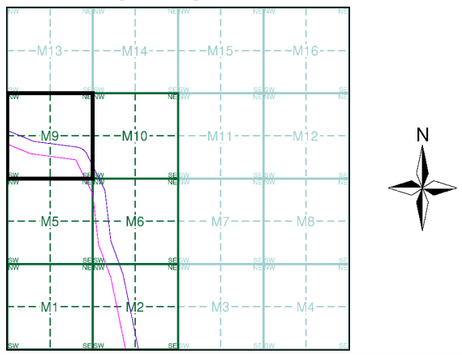
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment M9



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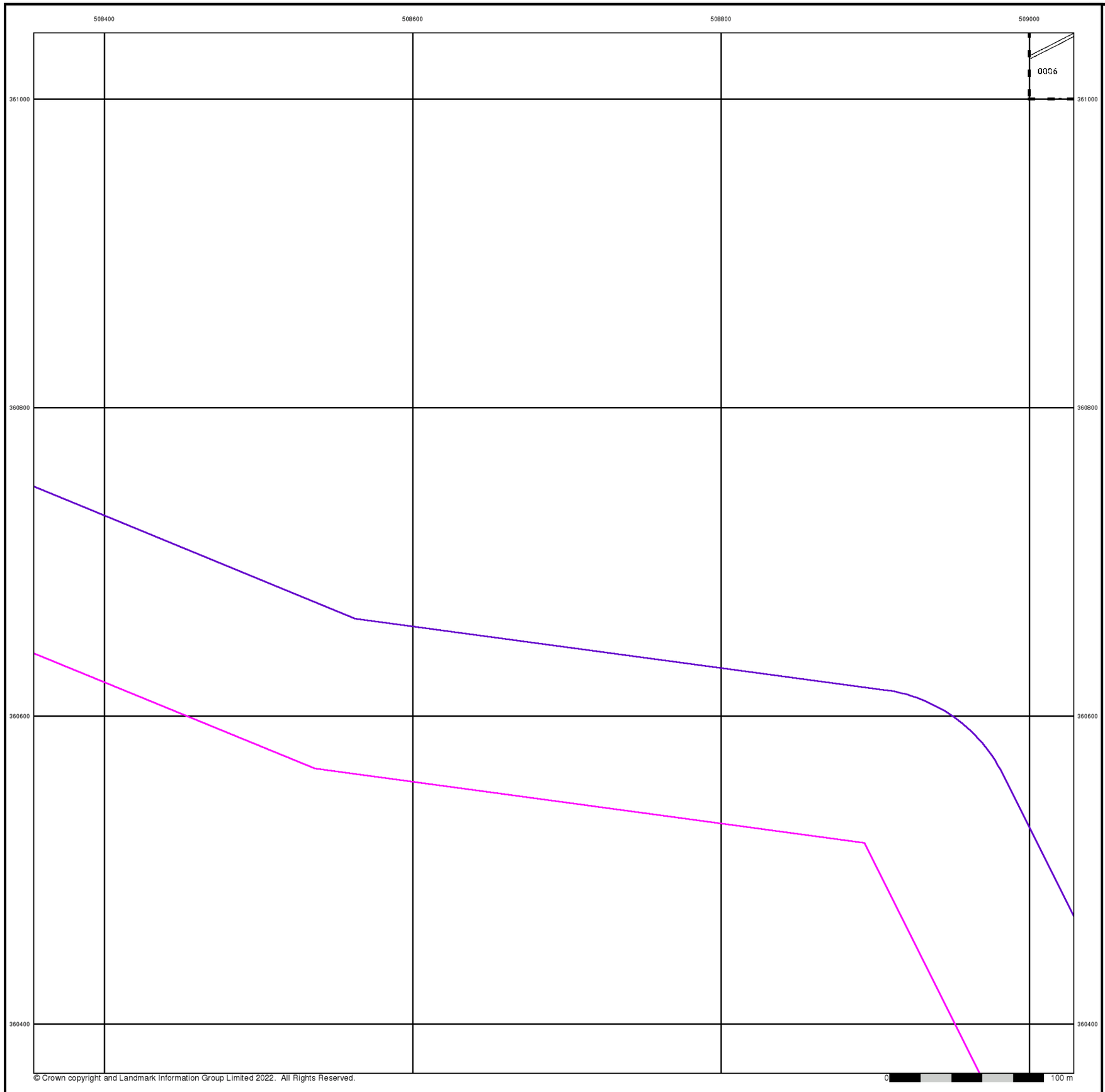

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RSK

Large-Scale National Grid Data

Published 1996

Source map scale - 1:2,500

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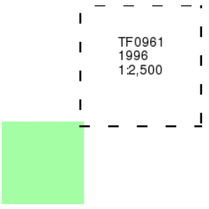
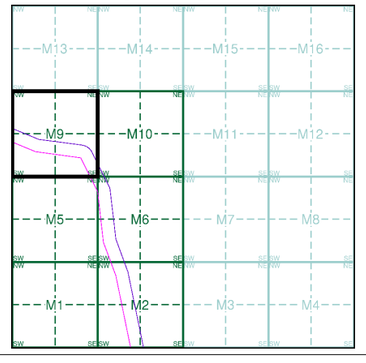


Historical Map - Segment M9



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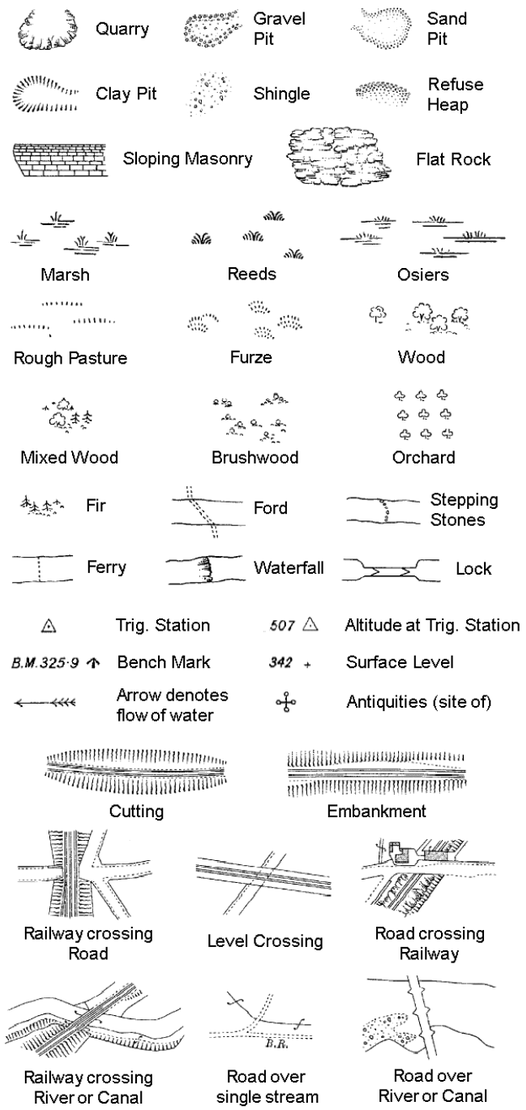
Historical Mapping Legends

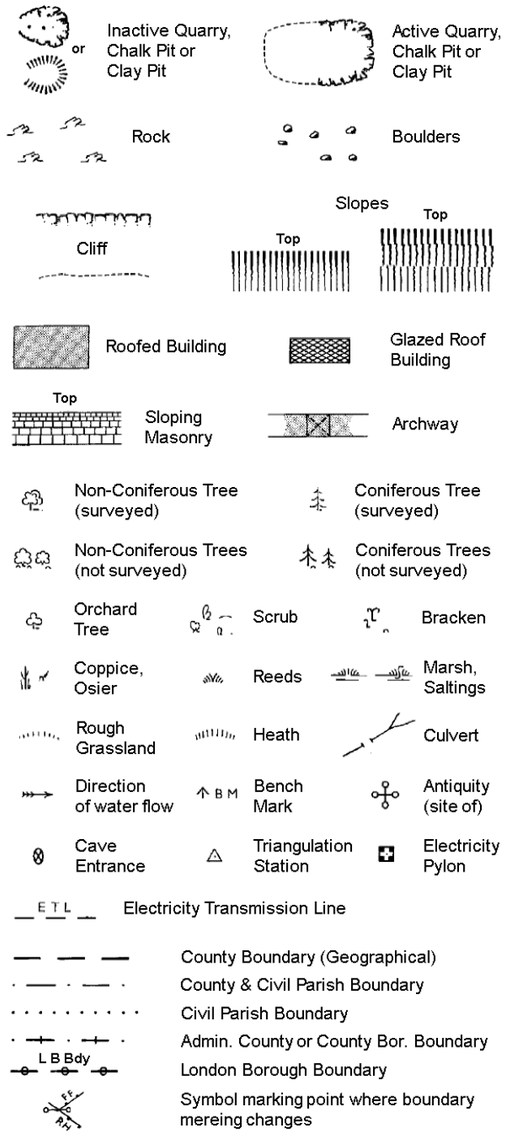
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	Sl.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

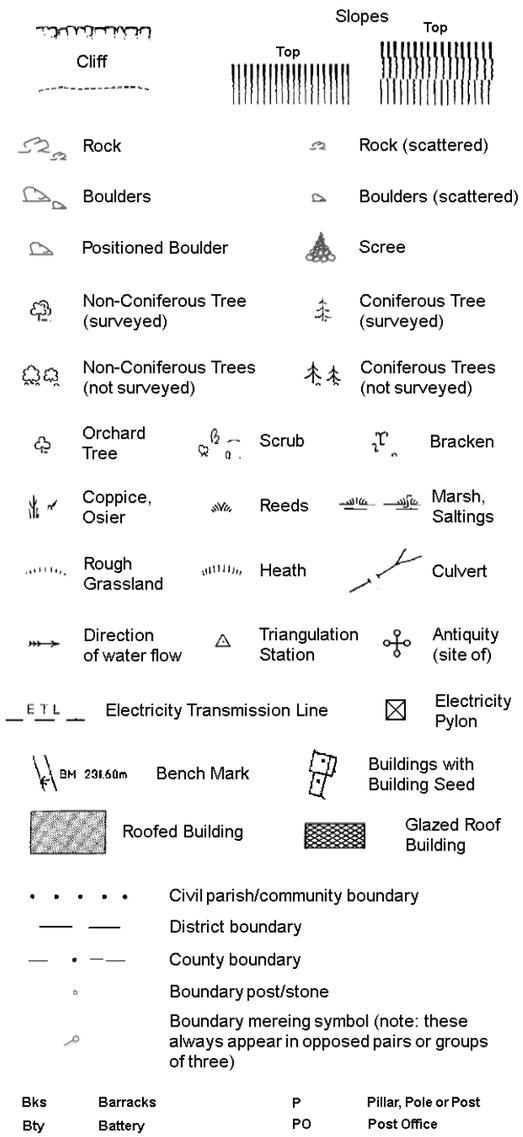
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
L B Bdy London Borough Boundary
Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
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Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
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RSK

Historical Mapping & Photography included:

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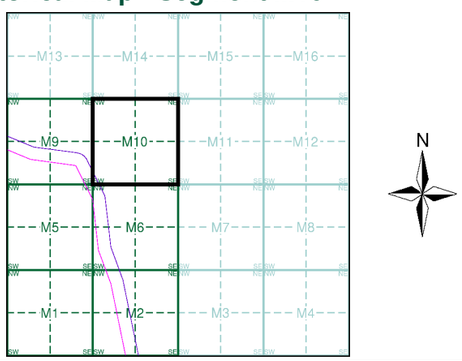
Historical Map - Segment M10



Order Details

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Site Details

All Areas New

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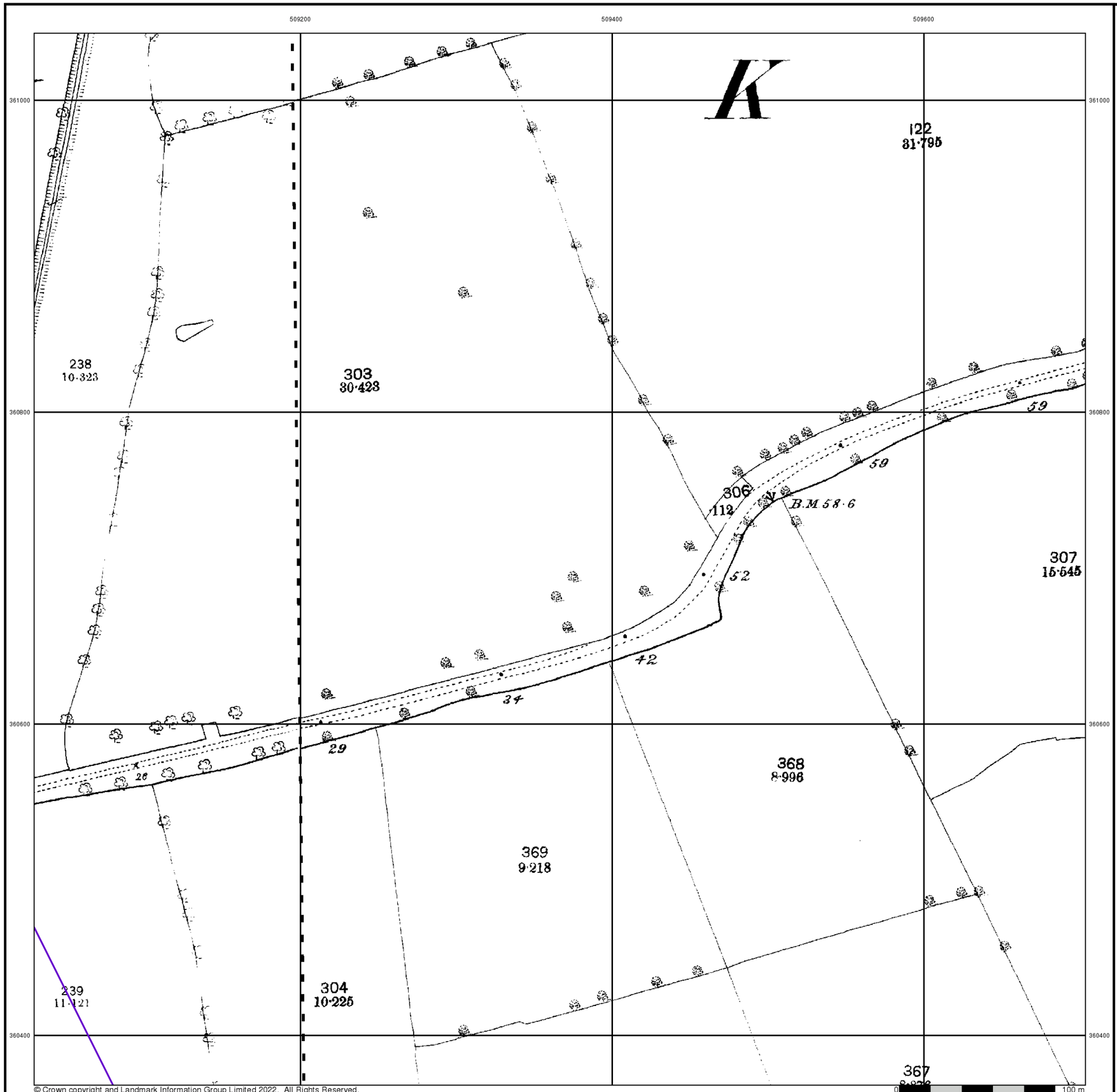

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0 100 m

RSK

Lincolnshire

Published 1888

Source map scale - 1:2,500

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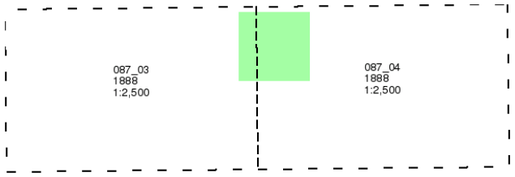
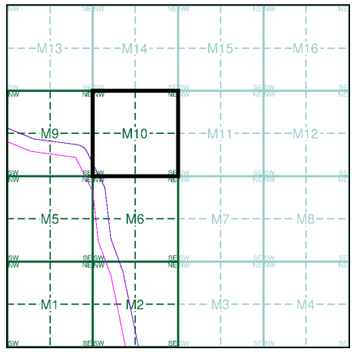


Historical Map - Segment M10



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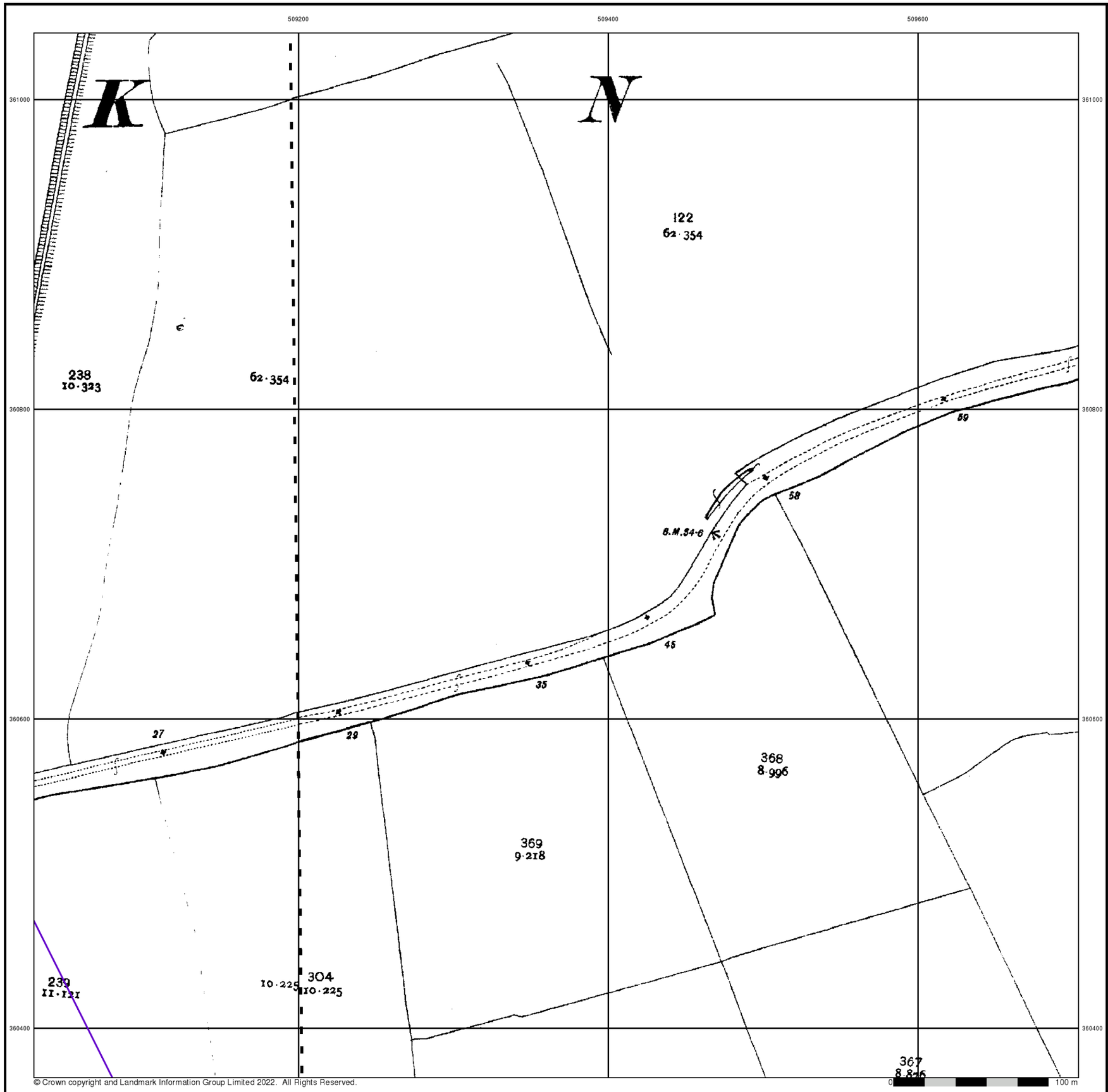

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RSK

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Published 1905

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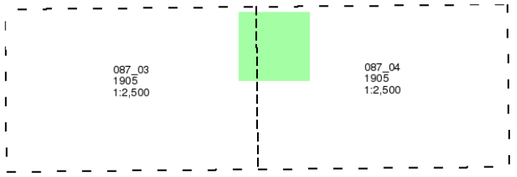

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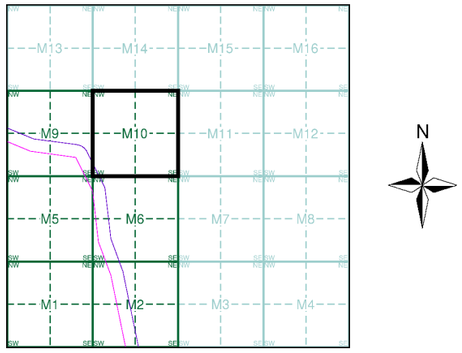

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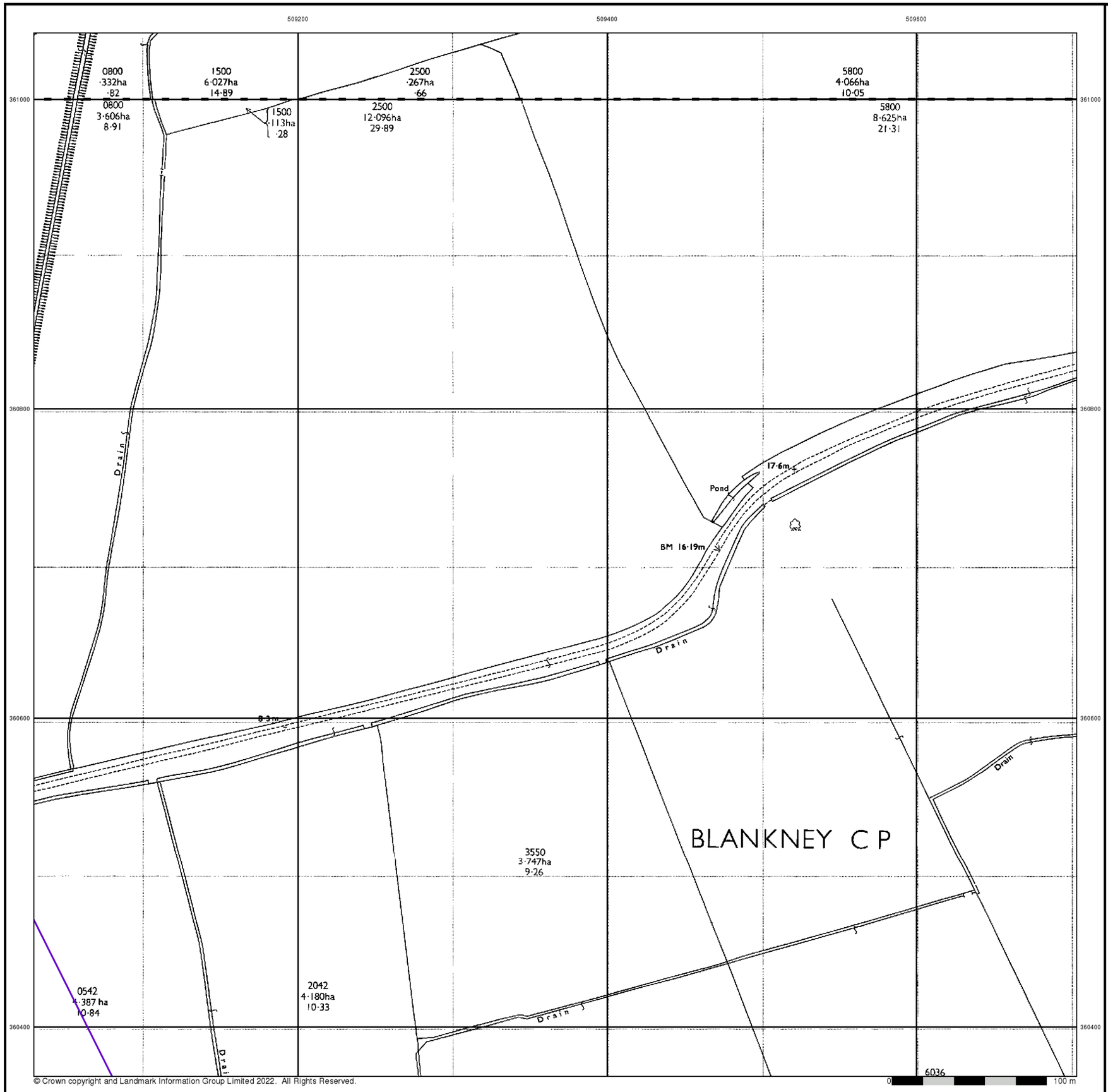

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Ordnance Survey Plan

Published 1973

Source map scale - 1:2,500

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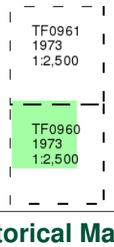
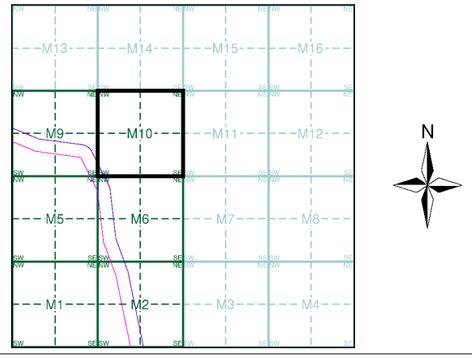


Historical Map - Segment M10



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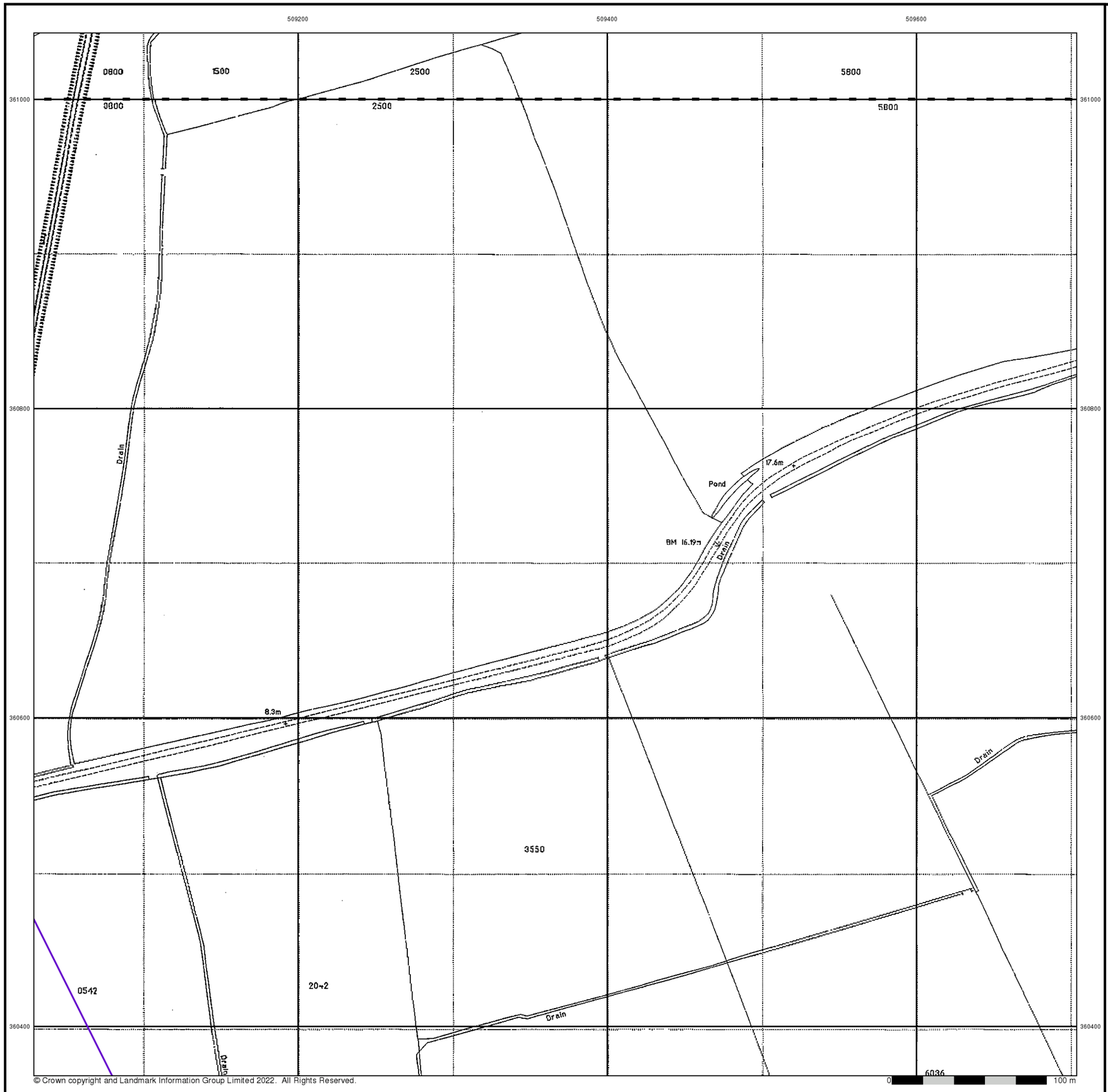

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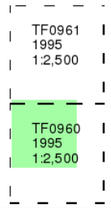
Large-Scale National Grid Data

Published 1995

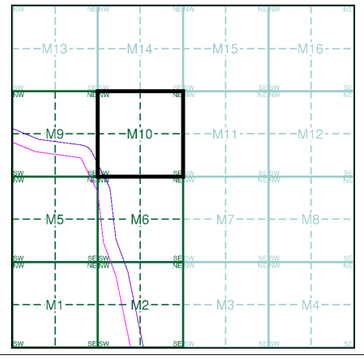
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment M10



Order Details

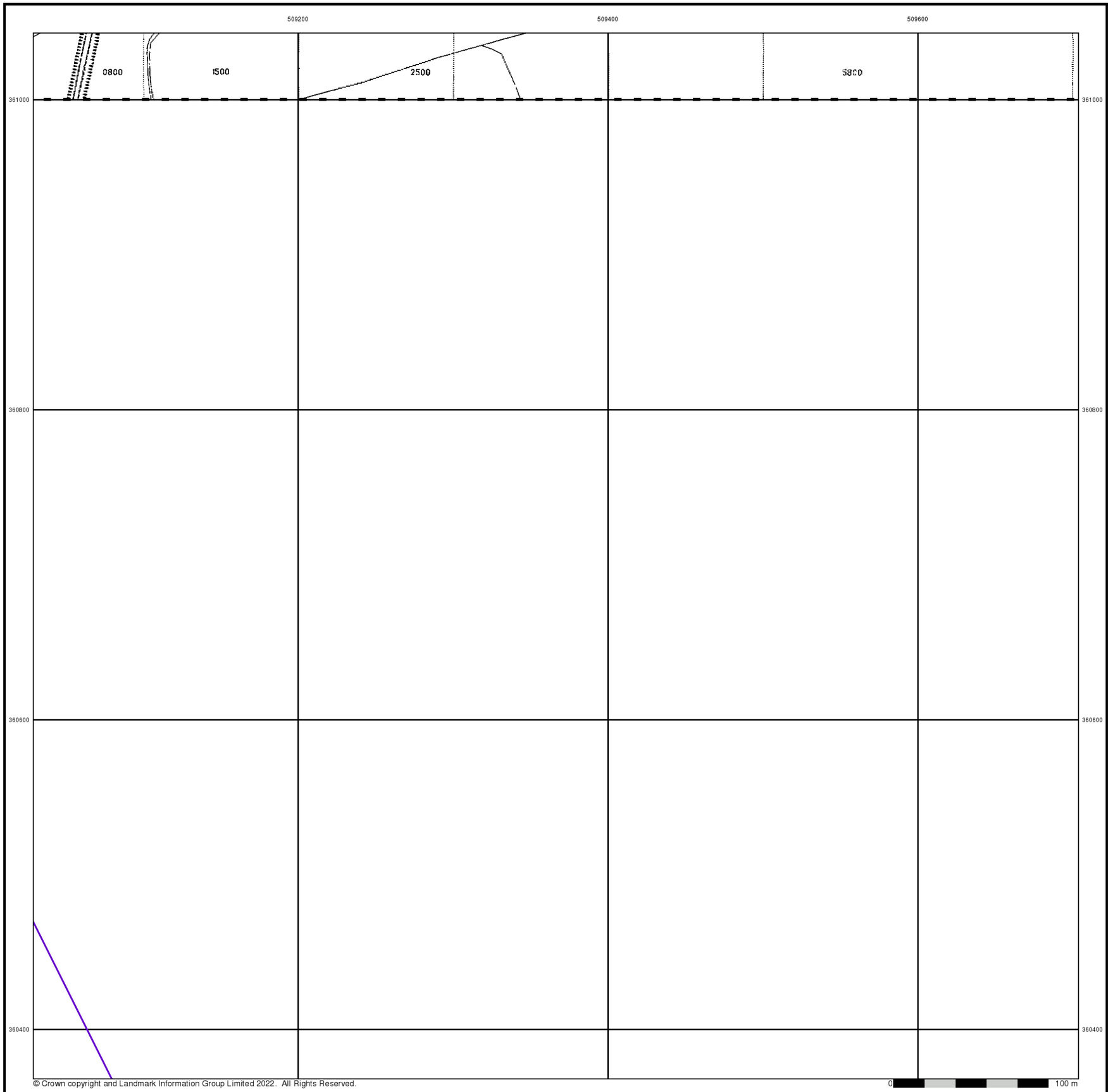
Order Number:	303381609_1_1
Customer Ref:	P02130089
National Grid Reference:	509180, 360170
Slice:	M
Site Area (Ha):	1774.17
Search Buffer (m):	100

Site Details

All Areas New

Landmark INFORMATION GROUP

Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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RSK

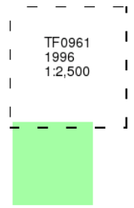
Large-Scale National Grid Data

Published 1996

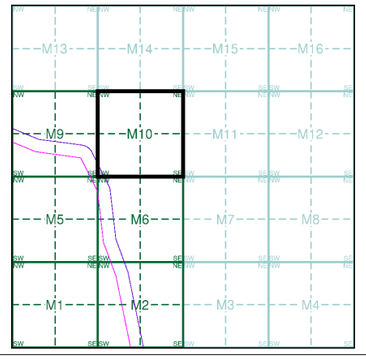
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment M10



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Order Number:	303381609_1_1
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Site Details

All Areas New

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APPENDIX E1 BGS BOREHOLE LOGS – ZONE B

RECORD OF WELL

For Institute use only Licence No. N.15328.

127/218 C

TF 05 SE 30 (?27)

At MOORE FARM
BLOXHOLM
Town or Village NR. SLEAFORD
County LINCS

EXACT SITE OF WELL

Six-inch National Grid sheet and reference TF 05SE TF 0635 5311 more likely
For WRIGHT RAIN
State whether owner, tenant, builder, contractor, consultant, etc.: CONTRACTOR c. TF0695 5219 MA
Address (if different from above) P.O. BOX 1, WHALEY ROAD,
BARUGH, BARNSLEY, S. YORKSHIRE
Level of ground surface above sea level (O.D.) ..... ft (..... m)
If well top is not at ground level state how far above:* ~~below~~: 1.0 ft (0.32 m)
SHAFT — ft (— m); diameter — ft (— m);

*DELETE AS NECESSARY

HEADINGS (please attach details—dimensions and directions)
BORE 180.40 ft (55.00 m); diameter: at top 12" in (305 mm);
at bottom 8" in (227 mm)
Full details of permanent lining tubes (position, length, inner and outer diameters, plain slotted etc.):
0 – 29.85 M 30.17 M 9" I.D., 9 5/8" O.D. PLASTIC PLAIN CASING

Water struck at depths of 98.73 ft (30.10 m) below well top

TEST CONDITIONS

Rest level of water 0.98 ft (0.30 m) above* ~~below~~ well top. Suction at NOT KNOWN ft (..... m)
Yield on 48 hours'* ~~days'~~ test pumping at 10,000 galls per HOUR (12.65 l/s) with
depression to 0.75 ft (0.23 m) below well top. Recovery to rest level in ..... mins* hours
Capacity of pump NOT KNOWN – AIR LIFT PUMPING. g.p.h. (..... l/s)
Date of measurements 27/4/82

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:
Make and/or type ..... Motive power .....
Capacity ..... galls (..... m³) per hour. Suction at ..... ft (..... m)
below well top. Amount pumped ..... galls (..... m³) per day. Estimated
consumption ..... galls (..... m³) per week
Well made by AMCO DRILLING LTD Date of sinking 20/4/82

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

LOG OF STRATA

Received from .....
Date .....
Observation well .....
Recorder .....
ER log .....

British Geological Survey

Version 2.0.6.6

BGS ID: 469211 : BGS Reference: TF05SW5
British National Grid (27700) : 504370,352470

Report an issue with this borehole

BRAUNCE WELL

TF 047525

TOP 2M

TF 05SW/5

Depth	Lithology	Colour	Description
26.73	LIMESTONE	GREY	BEC LIGHTER, MOD HARD, V OOLITIC, MOD CMTD PINKISH-BROWN LAYERED IN PART (8 CM BAND)
		GREY	MOD HARD, FRED AYA BUT SL LOOSER
		YELLOW-BROWN	FAIRLY HARD, OOLIC, ARGILACEOUS ORANGE-BROWN IN PART.
		GREY	AS GREY LST ABOVE
		YELLOW-BROWN	PINKISH, FRED AS BROWN ABOVE BUT OBVIOUS MEGAPOROUS, BEC ARGIL IRON-RICH IN PT.
30.26	LIMESTONE	LT GREY	BROWN AT TOP; HARD, WELL-CEMENTED, GRANULAR, XLN CALCITE, SCATTERED DARK GREY OOLITHS, ARGIL IRON STN AT BASE, RED-BROWN, SL OOLIC LST.
		GREY	OOLITIC, HARD, MOD CMTD, GRANLR, SL FOS, OCC THIN ARGIL LAMINAE
		LT-MED GREY	HARD, ABUNDANTLY OOLIC, FREQ XLN CALCITE VNS, FOSSILIF, OOLITHS FINE GRAINED
		DKR GREY	V FRIABLE, V SILTY, FRAGS LT GREY LST, GRDG MICACEOUS SL OOLIC LST.
		GREY	CMTD LST, SL ARGIL, LT GREY SCATT OOLITHS, FREQ SMALL CREAM FRAGS SHELL FOSSILS, HARDER.
33.50	LIMESTONE	MED GREY	MOD HARD, GRANULAR - SL XLN, SILTY.
	SHALE	GREY-BLACK	FIRM, FISSILE, MUDSTONE, NONCALCAREOUS, OCC BANDS THIN GREY LST + PALE GREEN SLTST.
	SHALE	DK GREY	FIRM, MOD FISSILE, SANDY, SMALL LST LENSES
	SILTSTONE	GRN-BRN	FIRM - MOD HARD, V MICAC, SL CALC, 1/BDD GREY CLAY & OCC SMALL LT GREY LST LENSES.
36.22			

Box 2 — Box 3 — Box 4

REC APROX 2.7m

REC APROX 3m

REC APROX 1m

CORE LOST FOR NOT ENDING

METRES BELOW GROUND LEVEL

LINCOLNSHIRE LIMESTONE

LOWER ESTUARINE

British Geological Survey

British Geological Survey

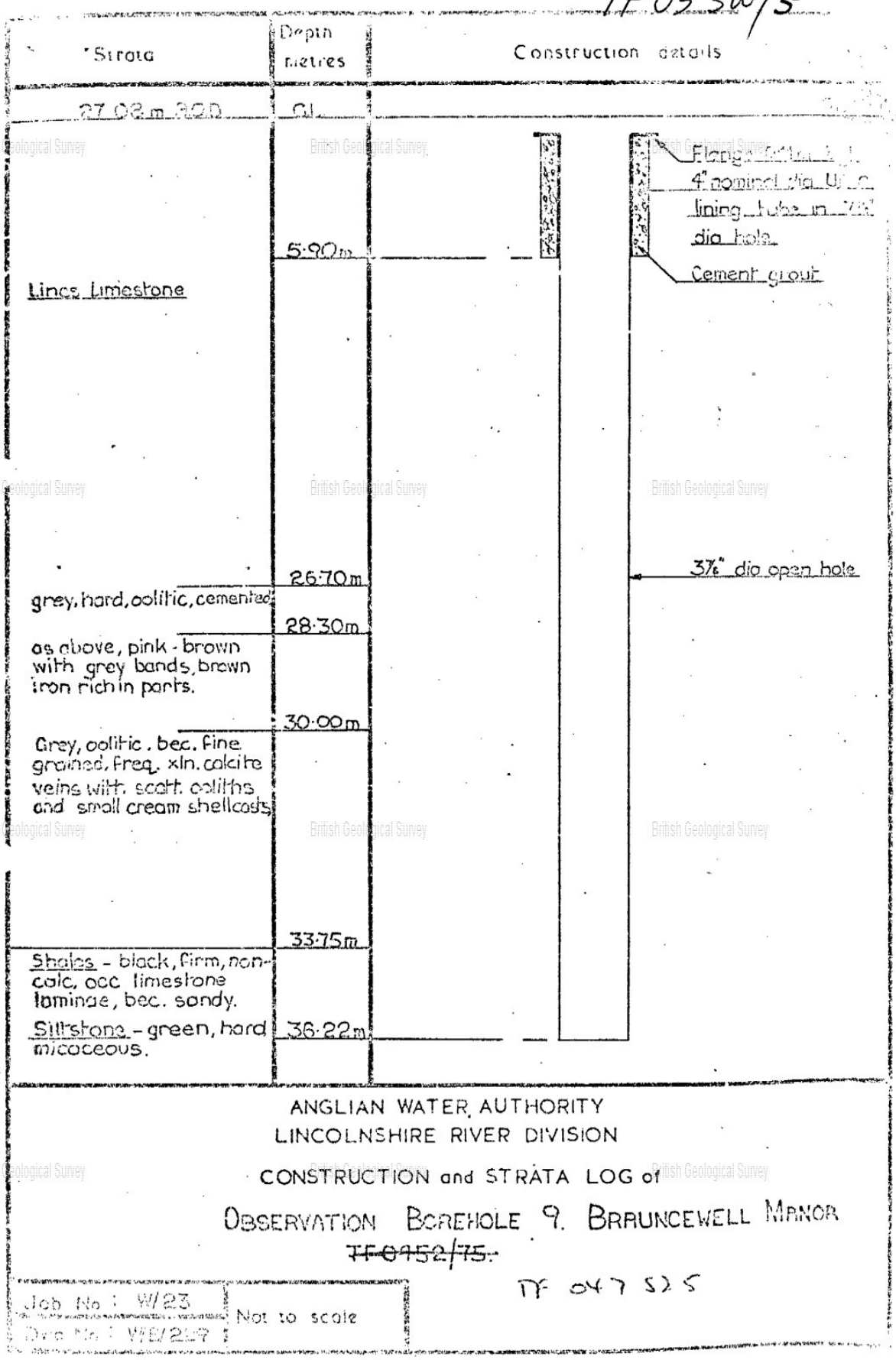
Version 2.0.6.6

BGS ID: 469211 : BGS Reference: TF05SW5
British National Grid (27700) : 504370,352470

Report an issue with this borehole

TF05SW/5

Strata	Depth metres	Construction details
27.08 m AOD	GL	
Lincs Limestone	5.90 m	Flange [illegible] 4" nominal dia U.P.C. lining tube in 7⅞" dia hole. Cement grout
grey, hard, oolitic, cemented	26.70 m	3⅞" dia open hole
as above, pink - brown with grey bands, brown iron rich in parts.	28.30 m	
Grey, oolitic, bec. fine grained, freq. xln. calcite veins with scatt. ooliths and small cream shellcasts	30.00 m	
Shales - black, firm, non-calc, occ limestone laminae, bec. sandy.	33.75 m	
Siltstone - green, hard micaceous.	36.22 m	



ANGLIAN WATER AUTHORITY
LINCOLNSHIRE RIVER DIVISION

CONSTRUCTION and STRATA LOG of

OBSERVATION BOREHOLE 9. BRAUNCEWELL MANOR

~~TF 0452/75.~~

TF 047 525

Job No : W/23
Dwg No : W/E/229

Not to scale

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469211 : BGS Reference: TF05SW5
British National Grid (27700) : 504370,352470

Report an issue with this borehole

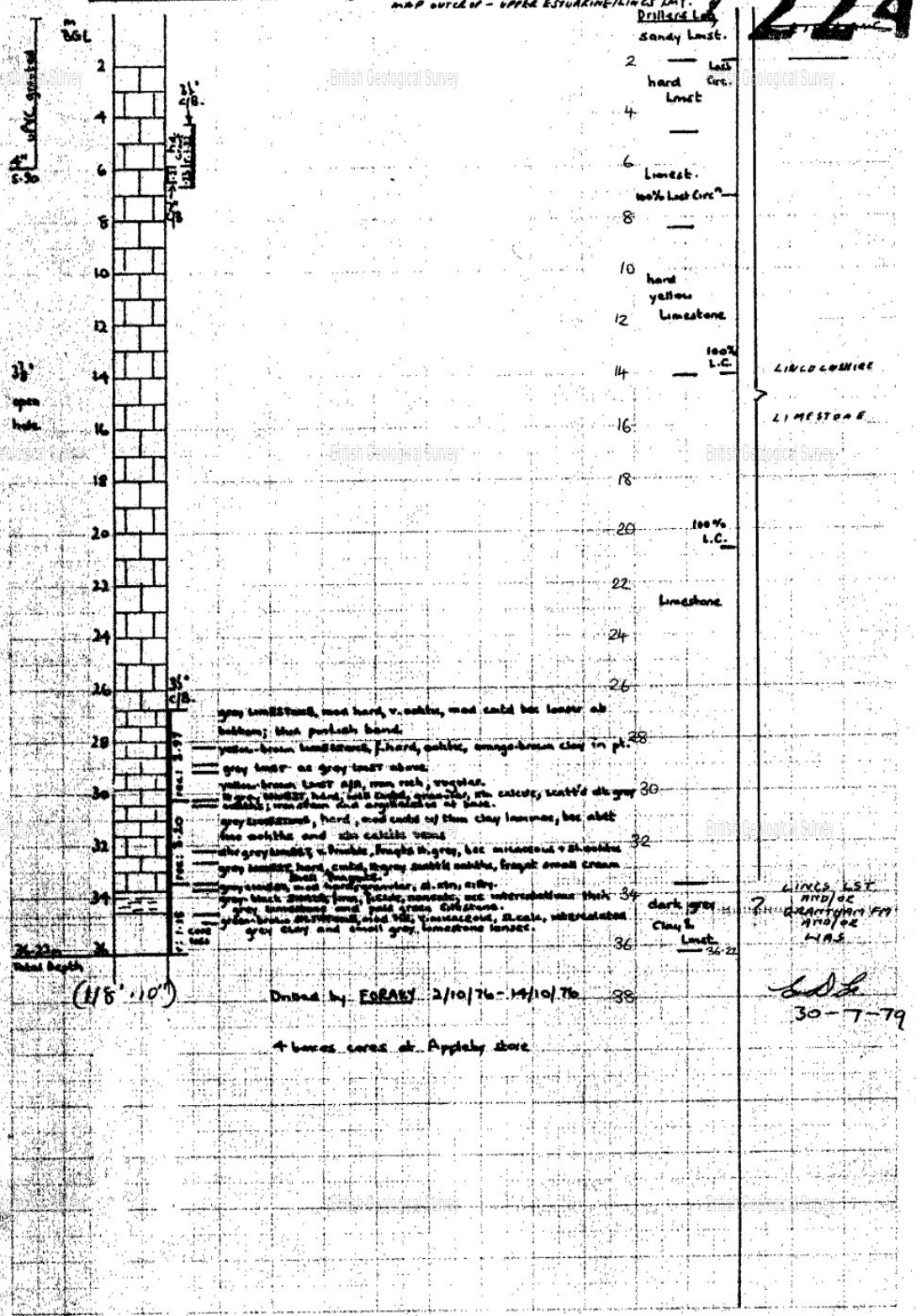
TF05SW/5 FORAKY

BRAUNCEWELL MANOR Observation Borehole No 9 TF 0452/34

G/L 27.08 maod Flange Top: 26.97 maod TF 0471 [illegible]

MAP OUTCROP - UPPER ESTUARINE/LINCS LMT.

127/224



Drilled by FORAKY 2/10/76 - 14/10/76

4 boxes cores at Appleby store

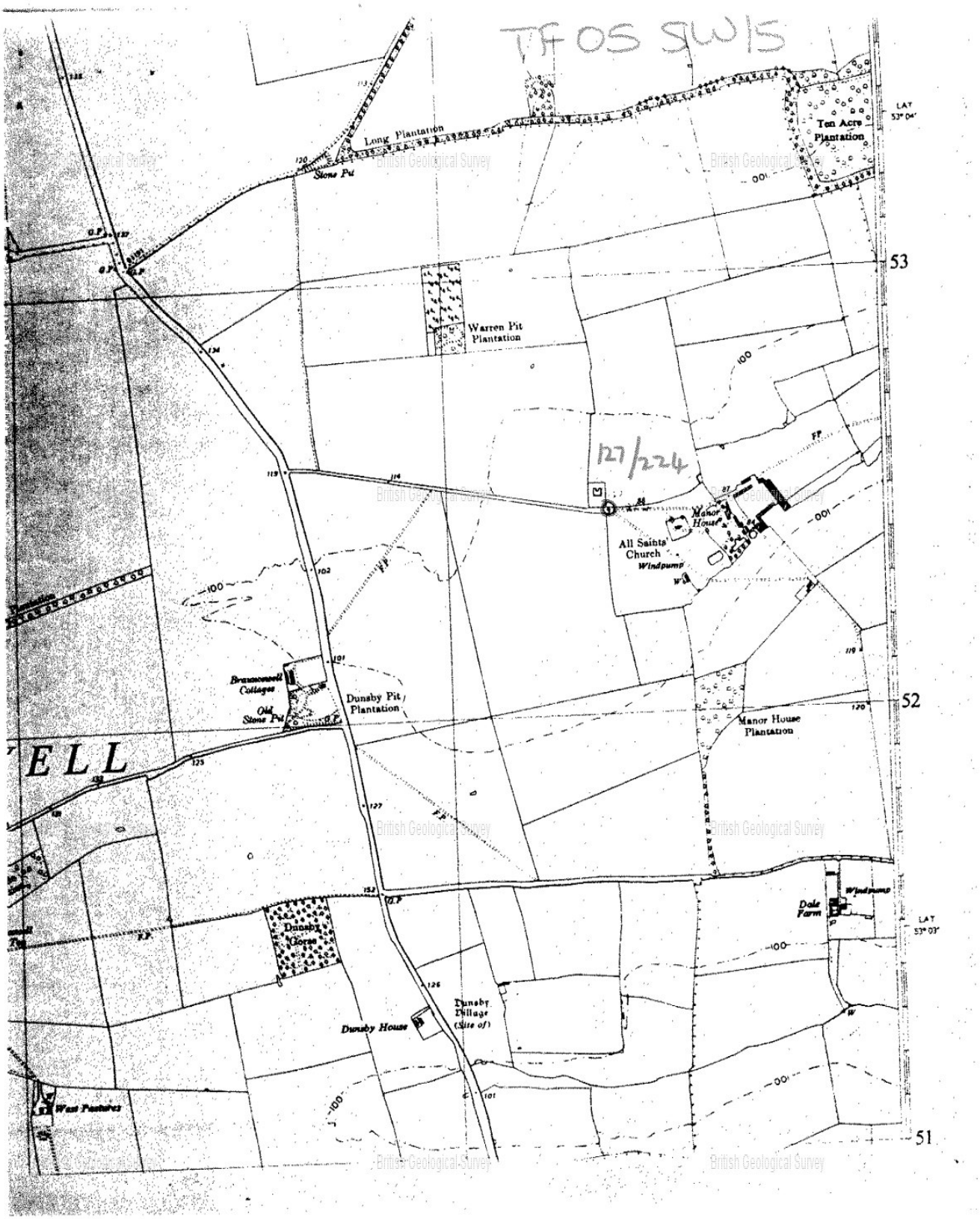
30-7-79

British Geological Survey

Version 2.0.6.6

BGS ID: 469211 : BGS Reference: TF05SW5
British National Grid (27700) : 504370,352470

Report an issue with this borehole



APPENDIX E2 BGS BOREHOLE LOGS – ZONE D

RECORD OF WELL (SHAFT OR BORE)

TF05NE/6

At Ashby Hall

Town or Village

County Lincs Six-inch quarter sheet 87 SW (E)

For Mr. Col. Fane

Exact site of well See tracing on 114 99 (Attach a tracing from a map, or a sketch-map, if possible.)

Level of ground surface above sea-level (O.D.) c 110 feet.

Is well-top at ground level? If not, state how far above / below; feet.

Shaft ft., diameter ft. Details of headings

Bore ft.; diameter of bore: at top 6 ins.; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes

Water struck at depths, below well-top, of (feet)

TEST DETAILS — Month / Year

Rest-level of water 32 ft. above / below well-top. Suction at ft. Yield on hours' / days'

pumping gallons per (max. capacity of pump g.p.h.),

with depression of feet. Recovery to in mins. / hours.

WORKING CONDITIONS

Rest-level of water in (month), (year), ft. above / below well-top.

Highest " in (month), (year), ft. above / below "

Lowest " in (month), (year), ft. above / below "

Suction at ft. Rate of pumping galls. per for hours per day.

with average depression of ft. Recovery to in mins. / hours

Quality of water (*attach copy of analysis if available*)

Well made by J. T. BARNES & SON, Date of well

Information from SLEAFORD.

do

ADDITIONAL NOTES.

Visited. 4.7.51.

Ashby Hall empty. Was requisitioned by R.A.F during war.

OD. c110.

RM

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

Date received	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
		114		0	0

(17208) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.656

British Geological Survey

N.N. 114/209

114/209 TF05/50

TF 0155/70

TF 0178 5502

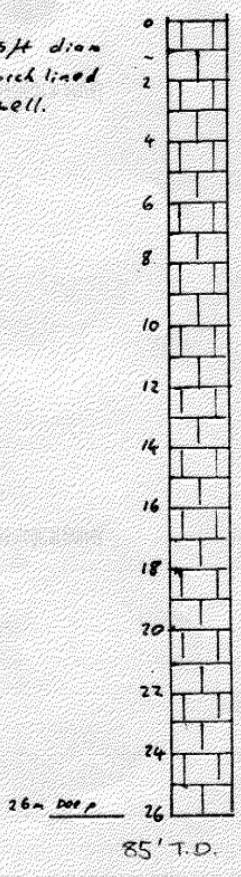
TF 05 NW

THOMPSON'S BOTTOM.

Datum 54.64 M.A.O.D G.L 54.51 M.A.O.D.

Exposure: Lincolnshire Limestone.

CLASSIFICATION



LINCOLNSHIRE

LIMESTONE. ✓

(Gamma logged. by Anglian Water Authority Lincolnshire River Division. c 1973.)

PER SDG 2-10-81

Approximate water level.
1973 - 1980 82' W.L.

Disused well & wind pump. Used originally for domestic/agricultural.
Date of excavation & excavator unknown
still Licensed. 4/30/9/6/28.

British Geological Survey

Version 2.0.6.6

BGS ID: 469214 : BGS Reference: TF05SW8
British National Grid (27700) : 501620,353930

Report an issue with this borehole

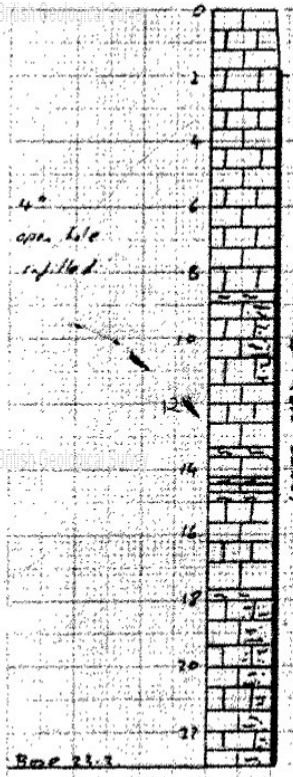
TF 05SW/8 127 216 TF05SW8

ASH BY LL 15
G/L ~ 48.34 m.a.o.d.

TF 0153/79
TF 0162 5593

GEOLOGICAL CLASSIFICATION

EXPOSURE: LINCOLNSHIRE LIMESTONE



76 ft

massive cementstone.

friable oolites.

Hard partially cemented oolites with laminated marls at base

hard muddy limestone

massive cemestone with laminated marlsands.

hard partially cemented oolites.
friable oolites with marl band at base.

Hard muddy limestone often fossiliferous

LINCOLNSHIRE LIMESTONE

Lincolnshire Limestone

MIDDLE JURASSIC

Drilled 12-15/12/1977 for I.G.S
By Soil Mechanics
cored throughout cores stored

Information on fracture index, porosity
rock chemistry, moisture content in 430
More detailed log C.R.D. Borehole Masterfile.

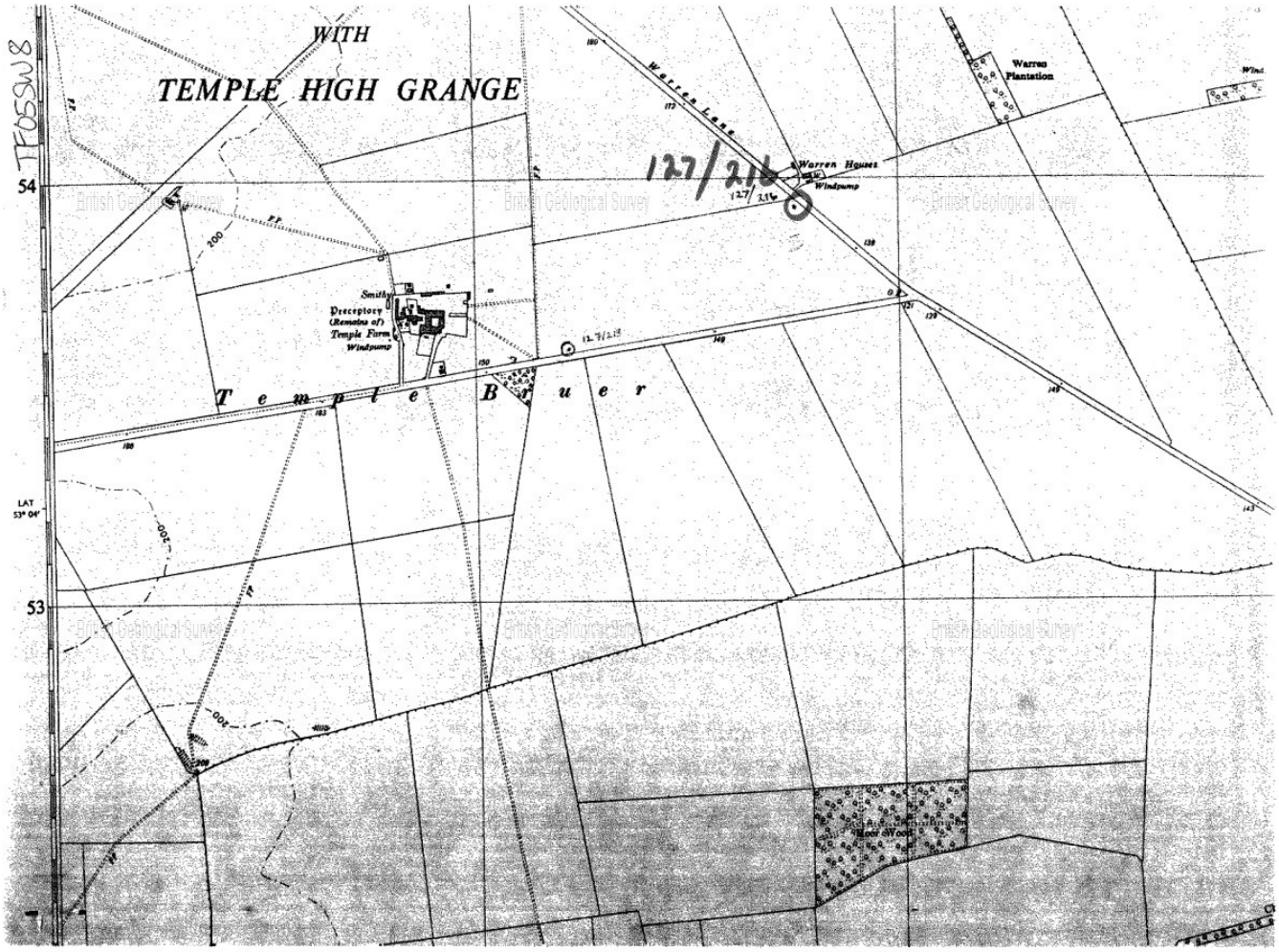
British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469214 : BGS Reference: TF05SW8
British National Grid (27700) : 501620,353930

Report an issue with this borehole



British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169

Report an issue with this borehole

TF05NW | 17

RECORD OF WELL

For Institute use only Licence No.

TF 05/52 N.....

114/174

TF05NW17

EXACT SITE OF WELL

At c 2·8 W of village

.....

Town or Village Ashby de la Launde

County Lincs

Six-inch County Sheet .....

Six-inch National Grid sheet and reference TF 0240 5517 TF05 NW

For IGS Hydro Dept (BNPR No LL10)

State whether owner, tenant, builder, contractor, consultant, etc.:— .....

Address (if different from above) .....

.....

Level of ground surface above sea level (O.D.) ..... ft (49·11 m)

*DELETE AS NECESSARY

If well top is not at ground level, state how far above:* below: .....ft (..... m)

SHAFT.....ft (.....m); diameter.....ft (.....m);

HEADINGS (please attach details—dimensions and directions)

BORE.....ft (28·2 m); diameter: at top 4·5 in (.....cm); at bottom 4·5 in (.....cm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.) .....

Trial – filled in

Continuously cored

.....

.....

Water struck at depths of .....ft (.....m) below well top

Rest level of water.....ft (.....m) above* below well top. Suction at.....ft (..... m)

TEST CONDITIONS

Yield on..... hours'* days' test pumping at.....galls (.....m³) per..... with depression to.....ft (.....m) below well top. Recovery to rest level in ..... mins* hours

Capacity of pump .....g.p.h. (.....m³/h)

Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type..... Motive power.....

Capacity.....galls (.....m³) per hour. Suction at.....ft (..... m) below well top. Amount pumped.....galls (.....m³) per day. Estimated consumption.....galls (.....m³) per week

Well made by Soil Mechanics Ltd. Date of sinking Nov 1977

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

see IGS Report Series 83/3

LOG OF STRATA OVERLEAF

Received from .....

.....

.....

Date .....

Observation well .....

Recorder.....

British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169

Report an issue with this borehole

114/17 TF05/52

ASHBY LL.10
G/L 49.11 m.a.o.d.

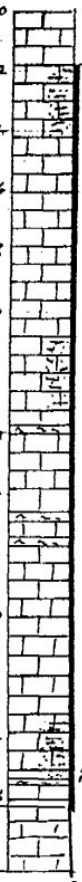
TF 02 SS/41
TF 02405517.

GEOLOGICAL CLASSIFICATION

EXPOSURE LINCOLNSHIRE LIMESTONE

174

TF05NW17



0 massive cemenstone

2 hard muddy limestone

4

6

8 friable oolites.

10

12 Hard muddy limestone with marl band at base.

14

16 massive cemestone with laminated marl seams.

18

20 hard partially cemented oolites.

22

24 Hard muddy limestone with laminated marl seam

26

4" core barrel

Poor recovery

4" open hole infilled.

Base 26.20.

Base 28.20

(92 ft. 6 ins)

LINCOLNSHIRE LIMESTONE

LINCOLNSHIRE LIMESTONE

MIDDLE JURASSIC

PEA AT 1980

Drilled 28/11/1977 - 3/12/1977.
by Soil Mechanics
cored throughout. cores stored.

Information on Fracture index, porosity, rock chemistry.
moisture content. Av. 430
more detailed log in L.R.D. Borehole mortz file.

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169

Report an issue with this borehole

17 114/174

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL10 ODGL = 49.11 IGS

TF05/52

TF05NW17

SAMPLE (AERE, AWA, Moist, PH FR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		28/11/77			OPEN HOLE			
	1							
	2	1300	100%	RUBBLE		Buff	Hard brokes impure l'st with scattered oolith	lst; scattered large pisolitic
							Hard impure l'st, thin oolite band c 3mbs	fine grained lst slightly marly; cryst. lime oolitic lst; shell band
	3	1330					Large shell fragments (bivalve up to 6cm diameter chlamys type)	coarse oolite; marly band; coarse oolite
	4	1400					Hard bioclastic l'st, layer of gastropods at 3.9-4.05m. much shelly debris Sparry calcite cement to 4.22m, thin soft oolite	hard pisolitic lst; coarse friable oolite; sharp change; fine grained shelly oolitic lst.
	5	1500					Oolite, chord, sparmite cemented; Soft mumbly oolite	
							Hard fine oolitic l'st, large shell fragments - 6cm + Sparmite cemented	fine cryg roe friable oolite; oolite bands of fine-med grains coarsening downwards
	6						Hard, fine oolite	

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169

Report an issue with this borehole

1+ (2) TF 05/52 IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL10

TF05NW17

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (METRES)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
			100%			Buff	Soft non sparry cemented oolite	
							V hard sparmite (3cm crystals) cemented oolite	friable oolite bedding cemented before
							Rotten, vuggy oolite	+ large shell frags.
	7						Fine grained sparmite cement, Rotten oolite along bedding + fractures	
		1600						
			100%			Cream buff	Well bedded hard oolite, bands of softer crumbly oolite + sparmite cemented layers.	large shells egg roe oolite
	8							
						Buff	Softer impure list oolite. Shell fragments up to 4cm diameter	egg roe oolite mud coarse coarse friable oolite in marly matrix large shell debris + coarse oolite
		1700						
		29/11/77						egg roe friable oolite
	9		100%				Hard poorly cemented fine grained oolites, local patches of large bivalves	mud - coarse friable oolite
								large shell egg roe oolite friable
	10						Oolite crumbly + soft along bedding.	
		1015						
			100%				Hard sparmite cemented fine oolite, fine grain sparmite. Occasional gastropods.	egg roe oolite
								shelly band + egg roe friable oolite
	11						Soft loosely cemented fine oolite, minor patches of sparmite cemented rock	ext. coarse friable egg roe oolite w marly matrix
							V hard sparmite cemented, oolite fabric	coarse oolite gradation to oolite list
		1130						shell bed
	12							

British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169

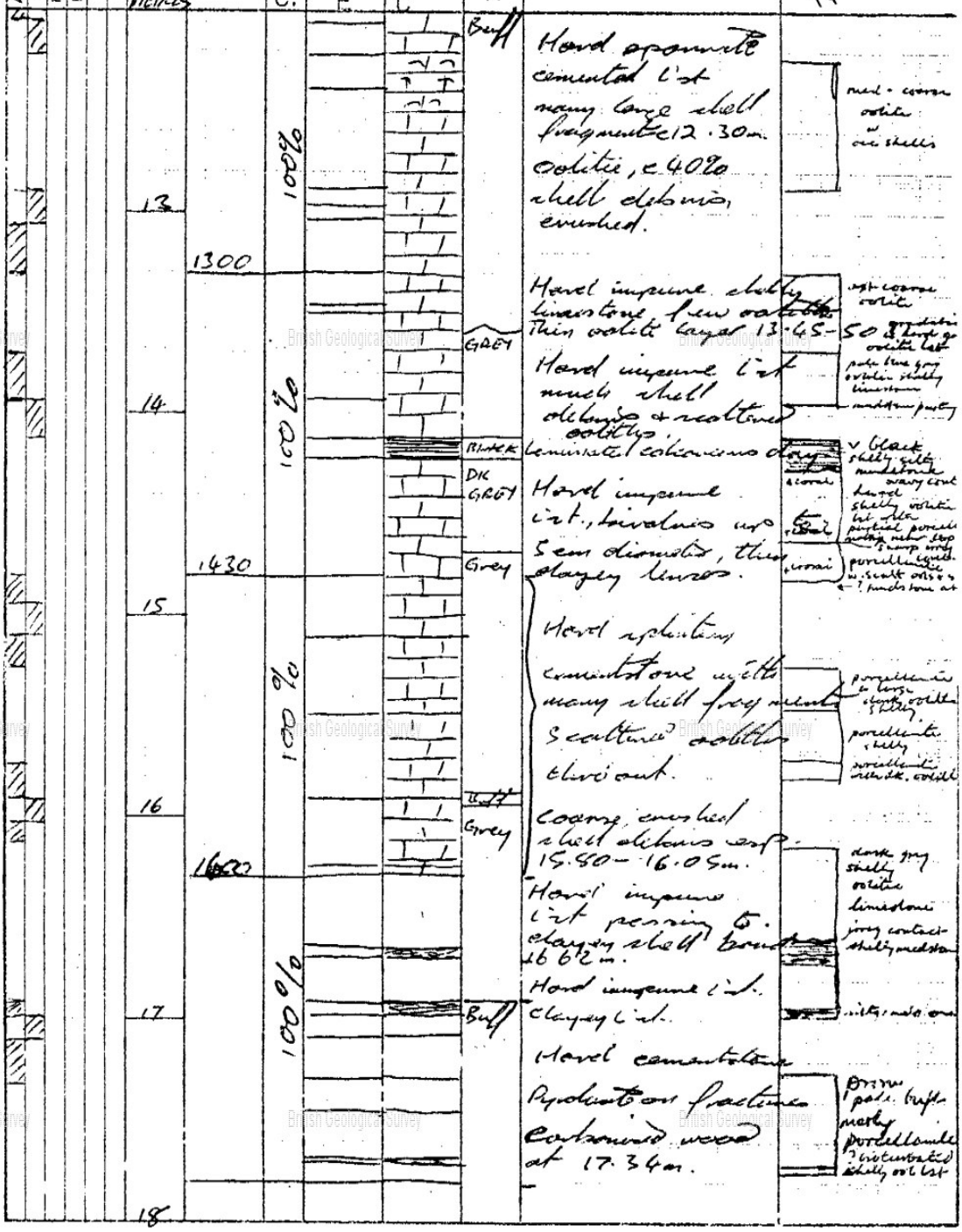
Report an issue with this borehole

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL10

(3) TF05/52 IGS

TF05NW17



British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169

Report an issue with this borehole

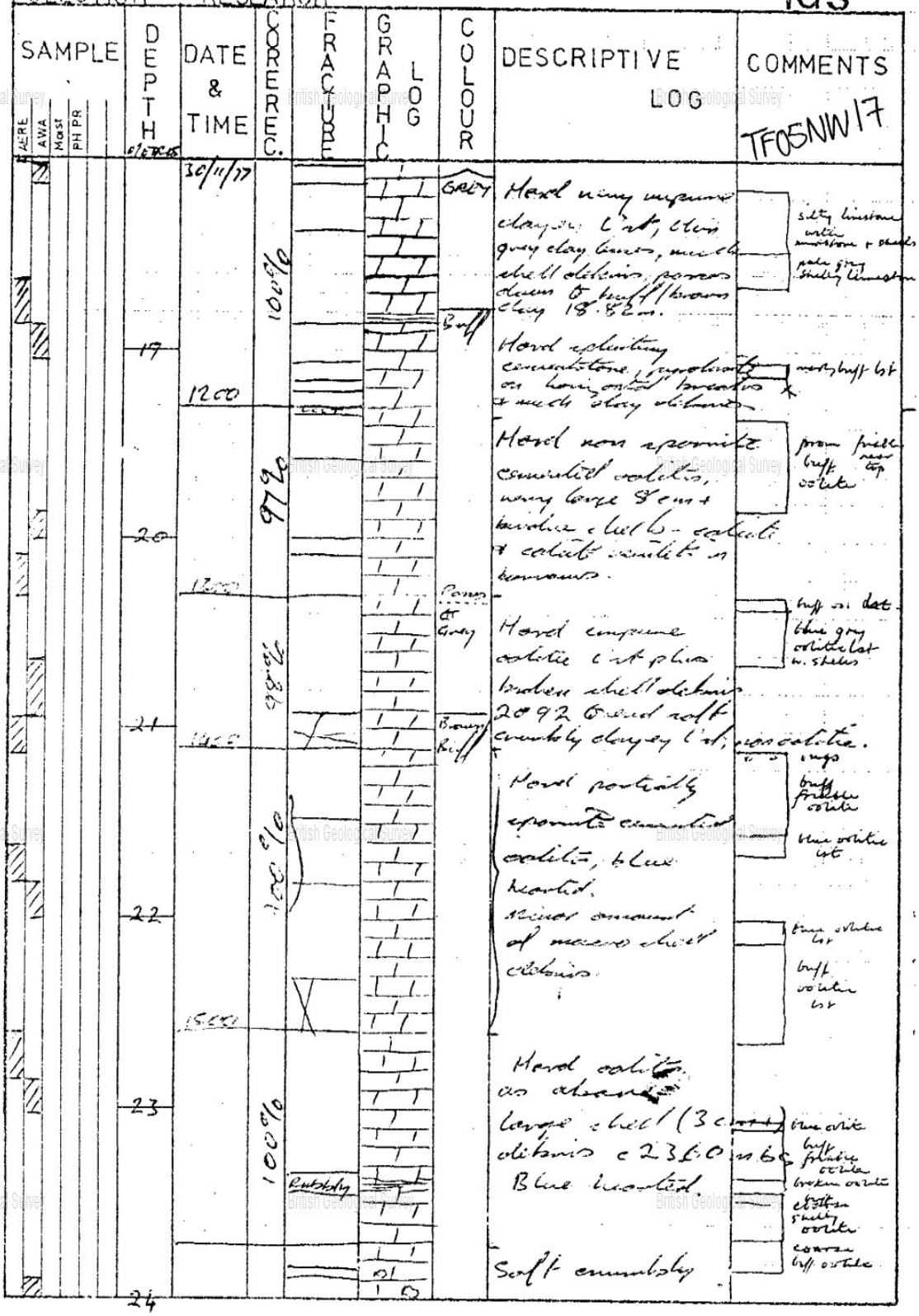
-P' 17 (4) TF 05/52 IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL10

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (0 ETC 25)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS TF05NW17
		30/11/77	100%			Grey	Hard very impure clayey l'st, thin grey clay lenses, much shell debris, porous down to buff/brown clay 18.82m.	silty limestone with mudstone + shells; pale grey shelly limestone
	17	1200				Buff	Hard splinting cementstone, pyrolusite on horizontal breaks + much clay debris	nearly buff lst
	20	1300	97%				Hard non sparrite cemented oolites, very large 8cm + bivalve shells - calcite + calcite veinlets in borrows.	from friable buff near top oolite
	21	1400	98%			Porous & Grey; Brown Buff	Hard impure oolitic l'st plus broken shell debris 2092 to end soft crumbly clayey l'st, non oolitic.	buff on lst; blue grey oolitic lst w. shells
	22	1500	100%				Hard partially sparrite cemented oolites, blue hearted. Minor amount of macro shell debris.	vugs; buff friable oolite; blue oolitic lst; blue oolitic lst; buff oolitic lst
	23		100%	Rubbly			Hard oolite as above large shell (3cm) debris c 2360 m bgs Blue hearted.	blue oolite; buff friable oolite; broken oolite; cloth shelly oolite; coarse buff oolite
	24						Soft crumbly	

British Geological Survey



British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169

Report an issue with this borehole

-41 17 (5) TF05/52 IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE 6610

SAMPLE (AERE, AVIA, Moist, PH PR)	DEPTH (METRES)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS TF05NW17
			100%			GREY	vuggy oolites, cavities partially clay residue filled up to 4cm long. Hard impure cementstone + scattered oolites + shell frag. matter	
	25	1/12/77	65%	LOST			Hard impure shelly lst. Soft laminated calcareous shale ? soft greyish clay – cuttings recovery	
	26		90%				Soft crumbly shelly lst, rotten oolitic, much clay + shell detritus	
	27							
	28							
	29							
	30							

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469085 : BGS Reference: TF05NW17
British National Grid (27700) : 502401,355169

Report an issue with this borehole

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL 10 — TF05/52 IGS

SAMPLE (AERE, AWA, MOIST, PH PR)	DEPTH	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS TF05NW17
	24							blue grey oolitic limestone w. gastropods
	25							blue grey oolitic limestone w. gastropods. black mudstone
								black silty mudstone
	26					Grey	v. impure limestone with shell fragments Redeposited Fe^{3+} on fracture	blue grey silty limestone strong pancreatic
						Buff	Impure silty limestone	buff silty limestone
		1/12/77				Grey	Hard splitting impure lst. w. occasional shell frags. & rare oolitics. Fine grained.	
	27		80 %			Dk. grey	Hard splitting impure lst. w. and some oolitics.	many shell fragments
						Grey	Impure silty limestone with many shell fragments (to 1cm) and oolitics. Shell band at c 27.45 = 27.50 & 27.72.	
						lt. grey		
	28			Lost				
		End.						

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

British Geological Survey British Geological Survey British Geological Survey

NGRC

BOREHOLE RECORDS

ADJUSTMENT FORM

QUARTER SHEET TF05NW.

BH REGISTRATION NUMBER 38 – 43.

RECORDS ENTERED AND HELD BY WALLINGFORD

BH REGISTRATION NUMBER(S)

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040
Report an issue with this borehole

<< < Prev Page 2 of 10 Next > >>

For Institute use only~ Licence No.

TF05/51 N.....

114/173

RECORD OF WELL

EXACT SITE OF WELL

At 2½ km WNW of Ashby

Town or Village ASNBY DE LA LAUNDE

County LINCS

Six-inch County Sheet .....

Six-inch National Grid sheet and reference TF 0260 5604 TF05NW

For IGS Hydro Dept (GNPR No LL08)

State whether owner, tenant, builder, contractor, consultant, etc.:— .....

Address (if different from above) .....

Level of ground surface above sea level (O.D.) ..... ft (46.03 m)

*DELETE AS NECESSARY

If well top is not at ground level, state how far above:* below: ..... ft (..... m)

SHAFT..... ft (..... m); diameter..... ft (..... m);

HEADINGS (please attach details—dimensions and directions)

BORE..... ft (28.7 m); diameter: at top 4.5 in (..... cm); at bottom 4.5 in (..... cm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.) .....

Trial - filled in

Continuously cored

Water struck at depths of ..... ft (..... m) below well top

TEST CONDITIONS

Rest level of water..... ft (..... m) above* below well top. Suction at..... ft (..... m)

Yield on..... hours'* days' test pumping at..... galls (..... m³) per..... with depression to..... ft (..... m) below well top. Recovery to rest level in ..... mins* hours

Capacity of pump ..... g.p.h. (..... m³/h)

Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type..... Motive power.....

Capacity..... galls (..... m³) per hour. Suction at..... ft (..... m) below well top. Amount pumped..... galls (..... m³) per day. Estimated consumption..... galls (..... m³) per week

Well made by Soil Mechanics Ltd Date of sinking Nov 1977

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

See IGS Report Series 83/3

LOG OF STRATA OVERLEAF

Received from .....

Date .....

Observation well .....

INSTITUTE OF GEOLOGICAL SCIENCES,
WATER DEPARTMENT,
SOUTH KENSINGTON,
LONDON, S.W.7.

British Geological Survey

Recorder.....
E.R. log .....
Site marked on
1″ map .....
6″ map .....
(use symbol)
Copy to .....
.....
Date .....

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

(For Institute use only) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far.	THICKNESS Feet	Inches	Metres	DEPTH Feet	Inches	Metre

British Geological Survey



British Geological Survey British Geological Survey British Geological Survey

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Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

ASHBY LLB
G/L 46.03 m.a.o.d.

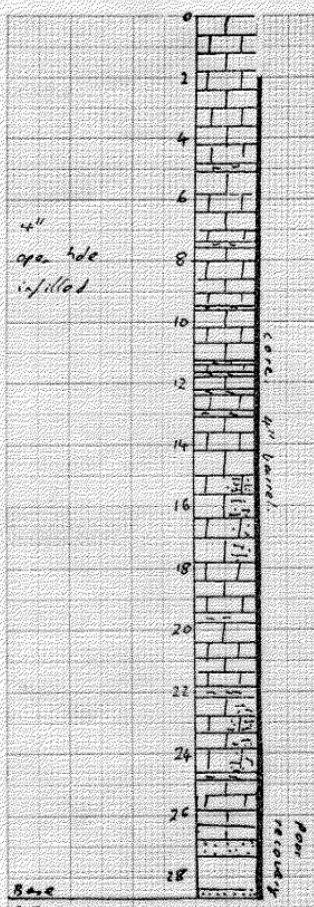
114/173

TF 0256/60
TF 02605604.

GEOLOGICAL CLASSIFICATION

TF05|51

OUTCROP: LINCOLNSHIRE LIMESTONE



(94 ft 2ins)

massive cementstones.

buff grey friable oolites

Hard partially cemented oolite

Hard muddy limestone underlane by laminated marl seam.
Hard partially cemented oolites

massive cementstone with laminated marls especially near the top
A-A but blue hearted

hard muddy limestone

Hard partially cemented oolite with occ marlstone bands

Hard muddy Limestone.

soft running sand above sandy clay
& sandy silts, slightly calc.
Mottled brown & grey clays with plant
pays & clayey sands
siliceous cemented sands.

LINCOLNSHIRE LIMESTONE

LOWER ESTUARINE SERIES

LINCOLNSHIRE LIMESTONE (UNDIVIDED)

LOWER ESTUARINE BEDS AND NORTHAMPTON SAND/GRANTHAM FORMATION?

BAJOCIAN

MIDDLE JURASSIC

Information on Fracture index, porosity, rock chemistry.
moisture content 4.30 INV
more detailed log in master file, L.R.D. Boston

Drilled 24-27/11/77 for I.G.S.
by Soil Mechanics
cored throughout. core stored by I.G.S.

PER A.T. 1980

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

report : re numbered 40 (1) 114/173

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE LL8 OD G.C. 46.03 m. IGS

TF05/51

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (METRES)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		24.11.77				Brown	Brown soil with limestone fragments	
						Buff & grayish		
	1				OPEN HOLE			
	2	24.11.77	80%	RUBBLE		Buff to yellow brown	oolitic limestone with calcite nests (2cm) Occasional bivalve fragments (1-2cm) ooliths well cemented by sparry cement in patches - otherwise rather friable and crumbly	
	3	1615	100%				oolitic lmst with calcite veins and sparry calcite nests many shell fragments in oolite poorly cemented ooliths	
	4	1645	100%			Buff	Fine grained clay rich limestone with scattered ooliths and shell fragments calcite veinlets thro' oolite v. coarse oolitic lmst with minor shell fragment component	
	5	1730 25/11/77				Buff	clay seam. Hard sparry cemented fine oolite minor shell debris Vertical fracture with clay residue coating	
	6							

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

Renumbered LPO

(2)

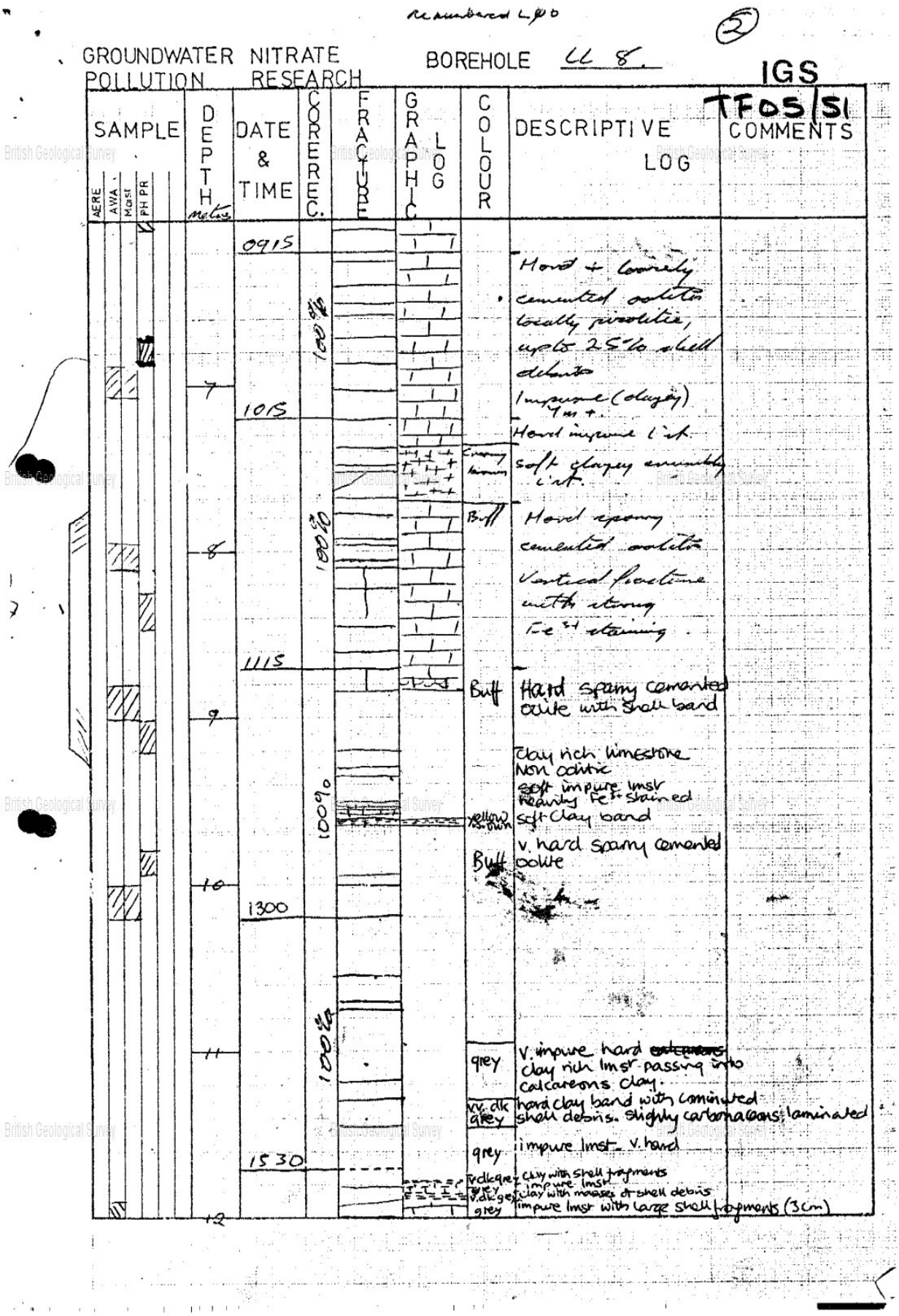
GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL 8.

IGS

TF05/51

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		0915	100%				Hard + loosely cemented oolites locally pisolitic, up to 25% shell debris	
	7	1015					Impure (clayey) 7m+. Hard impure l'st.	
						Creamy brown	soft clayey crumbly l'st.	
	8		100%			Buff	Hard sparry cemented oolites. Vertical fracture with strong Fe3+ staining.	
		1115				Buff	Hard sparry cemented oolite with shell band	
	9		100%				Clay rich limestone Non oolitic soft impure lmst heavily Fe3+ stained	
						yellow/brown	soft clay band	
						Buff	v. hard sparry cemented oolite	
	10	1300						
	11		100%			grey	v. impure hard ~~calcareous~~ clay rich lmst passing into calcareous clay.	
						vv. dk grey	hard clay band with comminuted shell debris. slightly carbonaceous; laminated	
		1530				grey	impure lmst. v. hard	
						v.dk grey	clay with shell fragments	
						grey	impure lmst	
						v.dk grey	clay with masses of shell debris	
	12					grey	impure lmst with large shell fragments (3cm)	



British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

Re numbered L06 (3)

TF05/51

IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL8

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (METRES)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
							laminated clay band with masses of shell fragments v. impure lmst	
			100%			grey	v. hard lmst – buff where more porous + oxidised Fe 3+	
						buff	a grey where Fe in reduced condition scattered ooliths + shell fragments	
						grey	v. impure lmst with massive shell fragments (10cm+)	
	13					buff	v. soft marl seam	
							Hard impure lmst	
		1700 26/11/77				grey with buff	Hard crumbly +	
						reaction rims	hard splintery	
			100%				impure cementstones patchy oolite bands + shell debris thro' out.	
	14						Clay lenses + a shell molds scattered thro' run.	
		0915					All sticks of core blue hearted.	
	15							
				LOST		Grey Pressing Gbor	Soft wet clay with shell fragment	
			96%			Buff	Soft clay	Hard impure l'st non oolitic large 2 cm shell fragments
							Soft clay	Sub vertical fractures with pyrolucite spots, no Fe 3+
	16						soft clay-clay	staining
		1015					white Cementstone with feruginous ooliths (scatter	
							Thin patchy impure lmst with many feruginous ooliths	
							Cementstone with v. scattered ooliths + cominuted shell fragments & clay pellets	
	17					v.dk grey	Thin clay parting	
							Impure lmst with many large gastropod fragments (4cm)	
						v.dk grey buff	Thin clay parting v. impure lmst	
							clay band	
						v.dk grey buff	v. impure lmst – much Fe 3+ staining on vertical joint	
		1115				brown buff	clay seam & Pyrolucite " " "	
						lt. buff	v. impure limestone with scattered ooliths	
	18							

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

re numbered LP6

(4)

TF05/51
IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL8

SAMPLE (AERE / AWA / Moist / PH PR)	DEPTH	DATE & TIME	CORREC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
	18		100%			Buff	Hard oolitic limestone with sparry calcite cement Some clay in matrix Calcite crystals infilling vugs (2cm)	
		1215						
	19					Buff	Impure limestone with occasional ooliths Deconstituted shells replaced with clay infilling	
							Oolite - very hard	
			100%			Orange brown	Crumbly clay band with comminuted shell debris - Fe stained	
						buff	Ferruginous oolite with sparry calcite cement	
	20							
		1420						
			100%			Buff	very hard oolitic limestone well cemented with sparry calcite	
		1530						
	21						very hard oolitic limestone with sparry cement	
							do.	
			100%				do. becoming more impure with depth, 4 bm well cemented.	
							Impure oolitic limestone with much clay in matrix and large shells (3cm) soft & friable	
	22					Orange brown	Soft and moist clay band	
						Buff	stained with Fe^{3+}	
		1650 27/4/17					Hard oolitic unst with clay pellets (3cm) and shell fragments replaced by calcite	
							Hard impure lst many shell frags thin patches oolith-rich Vuggy - 5cm+ - clay filled	
	23		100%			Grey	Hard spiculitic lst many bivalve & gastropod fragments up to 2cm; calcite cmtn v minor oolith content, no clays.	
		1010						
	24							

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

Re numbered LP0

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL8

TF05/51 IGS

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
			100%			GREY	Very hard splinting fine grained impure l'st; shaly texture 24.52-.70m much shell debris very clayey.	
						Dk		
	25	1130					l'st with minor amount of large (0.5cm+) shell debris	
	26		100%				Hard impure shelly l'stone, mainly bivalves + gastropod frags, bivalves up to 4cm diameter. Silty clay l'stone, slightly micaceous calcareous silt, well laminated.	
		1230						
	27		60%				Soft running sand above sandy clay + sandy silts, slightly calcareous. Passes down to mottled brown + grey clays with plant fragments (coaly) + clayey sands. Siliceous cemented sand + silt below.	
?*	28	1400						
		1500 END	10%					
	29						* 28m sample ? location 40% core loss in run.	
	30							

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

British Geological Survey

TF05/51

Core Analysis data

available from Aquifer Properties Laboratory, Engineering Geology and Reservoir Rock Properties group.

National Grid Reference :- TF 026 561

Laboratory sample number :- 1080

M. I. Bird

June 1985.

APPENDIX E3 BGS BOREHOLE LOGS – ZONE E

RECORD OF WELL (SHAFT OR BORE)

05155528

TF05NE/199 A

No. Sleaford.

Town or Village Ashby [de la Launde]

County Lincolnshire Six-inch quarter sheet

For ~~Mr.~~ East Kesteven R.D.C.

Exact site of well centre of village behind Fall farm. See tracing. Attach a tracing from a map, or a sketch-map, if possible.

Level of ground surface above sea-level (O.D.) ~~99~~ feet. 81.5

Is well-top at ground level? yes If not, state how far above ; below ; feet.

Shaft ft., diameter ft. Details of ~~headings~~

Bore 125 ft. ; diameter of bore : at top 7½" ins. ; at bottom 6" ins.

Lengths, diameters, perforations, etc., of lining tubes 75'0" of 7½ case. sealed into Rock at 75'0".

Water struck at depths, below well-top, of (feet) 56' 0"

TEST DETAILS Month Year

Rest-level of water 45' 4" ft. ~~above~~ below well-top. Suction at ~~46'0"~~ ft. Yield on 8 ~~hours~~ days' pumping 4,500 gallons per hr (max. capacity of pump 4000 g.p.h.), with depression of 12~~0~~ feet. Recovery to in mins.

WORKING CONDITIONS		Start	Comments
7.47	LMST MDST	BWL	?BWC BWL RCD
12.04	MDST	RCD	
38.10	LMST	LL	

ove low well-top.
ove low "
ove low "
ours per day.
ns.
irs

Quality of w grid.

Well made by

Information 8/9/55

ADDITIONAL NOTES.

OD. 99'.
Supplies villages of Ashby & Blankney.
Petrol-paraffin surface pump.
5,000 gals/day - Yield.
R.W.L. 20-30 below surface.
For analysis of water apply to E. Kesteven RDC. Sleaford.
Information from W. Templeman, Manor, Lincoln Road, Donington Lincs.
Visited site checked. 4.7.51. CS.

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
2/6/41 W.D.E.		114		⊙	⊙

(17208) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.685

CLR 9/10/90

RECORD OF WELL (SHAFT OR BORE)

036456 26

TF 11 NE 4

1" N.S.

At Rowston Hill Farm

Town or Village Kirkby Laythorpe Six-inch quarter sheet SW/E

Exact site (Rowston Tg ... in 1560 ... 4 ... 4 ...) (a rough sketch-map or a tracing from a map is very desirable)

Land charge) See tracing in parish of Rowston

Level of ground surface above sea-level (O.D.) 82.47 ft. If well starts below ground surface, state how far ft.

Shaft ft., diameter ft. Bore ft. Diameter of bore: at top ins.; at bottom ins.

Details of permanent lining tubes (internal diameters preferred)

Water struck at depths of (feet)

Rest-level of water ~~below~~ above top of well 44 feet. Suction at feet. Yield on hours' days' test

gallons per (with pump of capacity g.p.h.); depressing water level to feet below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.

Quality (attach copy of analysis if available)

Sunk by T. Slack & Son. for Mr. W.H. Baldock, Surveyor, Bourne Date of well July 1926

Information from Wm. Pettifer & Son. Grimsby per A.D. Evans

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).		THICKNESS Feet.	THICKNESS Inches.	DEPTH Feet.	DEPTH Inches.
Soil, Kimm. Blisworth Clay	(4 map location). Red soil	0.46	1	6	1	6
	Yellow sandstone	1.37	4	6	6	—
	Blue clay	0.30	1	—	7	—
Great Oolite Limestone	Blue stone	1.22	4	—	11	—
	Blue clay	BWL 0.15				
	Blue stone	2.74	9			
	Yellow sandstone	0.46	1	6		
	Blue clay	0.30	1	—	25	—
Upper Estuarine Beds	Very hard blue stone	RLD 1.52	5		28	—
	Black clay	0.161				
	Blue stone	1.83	6			
	Blue clay	0.30	1	—		
L.C.	Very hard blue stone	11.89	39		74	—
	Brown sandstone	LL 1.22	4		80	—
	Hard blue stone	9.75	32	—	112	—

Comments

?BWL BGL RLD RLD

Tubed to 34.0m. and dipped out at 51 metres down.

6.71 Rock CLAY SST BGS

11.28 CLAY STONE RLD

34.14 STONE LL

GEOLOGICAL SURVEY AND MUSEUM. SOUTH KENSINGTON. LONDON, S.W.7.

For Survey use only

Date received	G.S.M. Office File No.	Site marked on 1" map (see symbol)
VIII – 5K		⊙

(*11818) Wt.29661/O.889 10,000 A.& E.W.Ltd. Gp.656

British Geological Survey

Version 2.0.6.6

BGS ID: 469208 : BGS Reference: TF05SW2
British National Grid (27700) : 504490,353770

Report an issue with this borehole

202

127/117

127

TF05SW/2

117

RECORD OF WELL (SHAFT OR BORE)

04495377

At Mount Farm

Town or Village Blackholm

County Lincs Six-inch quarter sheet 97 NW(E)

For Mr.

Exact site of well

Attach a tracing from a map, or a sketch-map, if possible.

Level of ground surface above sea-level (O.D.) c. 105 feet.

Is well-top at ground level? If not, state how far above / below; feet.

Shaft 9 ft., diameter ft. Details of headings

Bore 90 ft.; diameter of bore: at top ins.; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes 11 ft. × 6 in.; 20 ft. × 6 in.

Water struck at depths, below well-top, of (feet) 35 ft.

TEST DETAILS
Month
Year

Rest-level of water 47 ft. ~~above~~ below well-top. Suction at ft. Yield on hours' / days' pumping gallons per (max. capacity of pump g.p.h.), with depression of feet. Recovery to in mins. / hours.

WORKING CONDITIONS

Rest-level of water in (month), (year), ft. above / below well-top.

Highest " in (month), (year), ft. above / below "

Lowest " in (month), (year), ft. above / below "

Suction at ft. Rate of pumping galls. per for hours per day.

with average depression of ft. Recovery to in mins. / hours

Quality of water (*attach copy of analysis if available*)

Well made by J. T. BARNES & SON, SLEAFORD. Date of well

Information from do

ADDITIONAL NOTES.

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
		127			

(17208) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.686

British Geological Survey

British Geological Survey

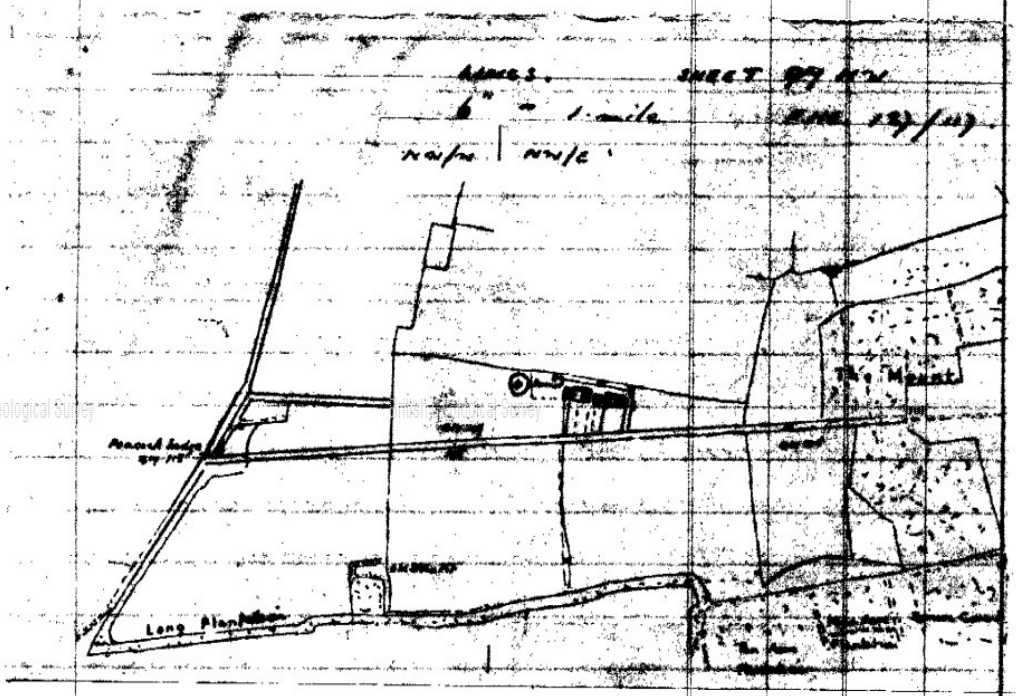
Version 2.0.6.6

BGS ID: 469208 : BGS Reference: TF05SW2
British National Grid (27700) : 504490,353770

Report an issue with this borehole

(2)

(For Survey use only) Geological Classification	Nature of Strata — If measurements start below ground surface, state how far... ...	Thickness Feet ...	Thickness Inches ...	Depth Feet	Depth Inches
U.E.S	[illegible] rock	[illegible]	1.22	4	1.22
	[illegible]	[illegible]	6.40	25.	7.62
Lower L.	[illegible]	[illegible]	19.81		27.43



British Geological Survey

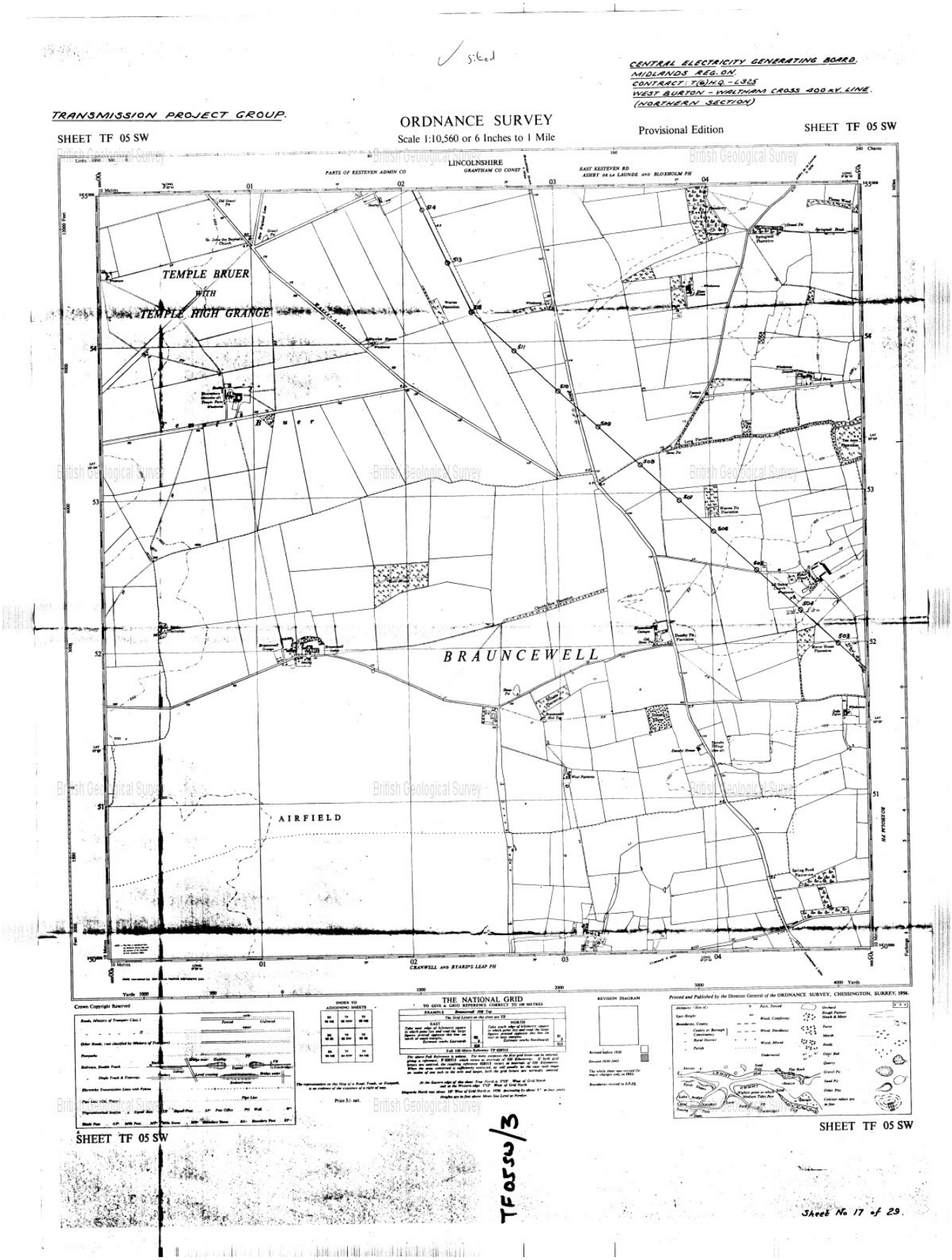
British Geological Survey

Version 2.0.6.6

BGS ID: 469208 : BGS Reference: TF05SW2
British National Grid (27700) : 504490,353770

Report an issue with this borehole

<< < Prev Page 3 of 6 Next > >>



British Geological Survey

Version 2.0.6.6

BGS ID: 469208 : BGS Reference: TF05SW2
British National Grid (27700) : 504490,353770
Report an issue with this borehole

<< < Prev Page 4 of 6 Next > >>

RECORD OF WELL (SHAFT OR BORE)

HALL TF 05 SW/2.

127 TF05SW 127/117

At Mount Farm

Town or Village Bloxholm

County Lincs Six-inch quarter sheet 9 NW(E)

For Mr.

Exact site of well TF 0450 5375 (Attach a tracing from a map, or a sketch-map, if possible.)

Level of ground surface above sea-level (O.D.) c. 105 feet.

Is well-top at ground level? If not, state how far above ; below ; feet.

Shaft 3ft ft., diameter ft. Details of headings

Bore 90 ft. ; diameter of bore : at top ins. ; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes 11ft × 8in. ; 20ft × 6 in.

Water struck at depths, below well-top, of (feet) 55 ft.

TEST DETAILS Month Year

Rest-level of water 47 ft. above below well-top. Suction at ft. Yield on hours' days'

pumping Good gallons per (max. capacity of pump g.p.h.),

with depression of feet. Recovery to in mins. hours.

WORKING CONDITIONS

Rest-level of water in (month), (year), ft. above below well-top.

Highest " in (month), (year), ft. above below "

Lowest " in (month), (year), ft. above below "

Suction at ft. Rate of pumping galls. per for hours per day.

with average depression of ft. Recovery to in mins. hours

Quality of water (*attach copy of analysis if available*)

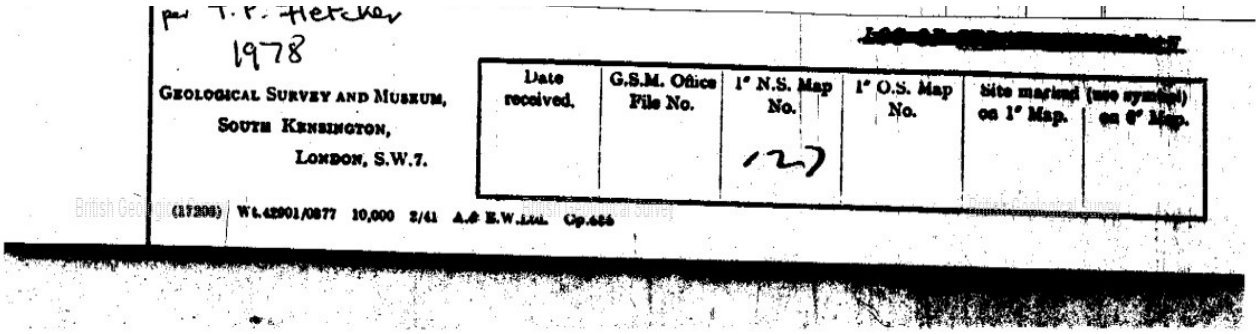
Well made by J. T. BARNES & SON, SLEAFORD. Date of visit June 1934

Information from do

ADDITIONAL NOTES.

(For Survey use only) GEOLOGICAL CLASSIFICATION

NATURE OF STRATA (If measurements start below ground surface, state how far...)	Thickness Feet	Thickness Inches	Depth Feet	Depth Inches
Great Oolite Lst Scaly rock	4		4	
U.E.S. Clay	21		25	
Lincs L. Lime stone	65		90	



per T.P. Fletcher
1978

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
		127			

British Geological Survey

(17208) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.656

British Geological Survey

Version 2.0.6.6

BGS ID: 469208 : BGS Reference: TF05SW2
British National Grid (27700) : 504490,353770
Report an issue with this borehole

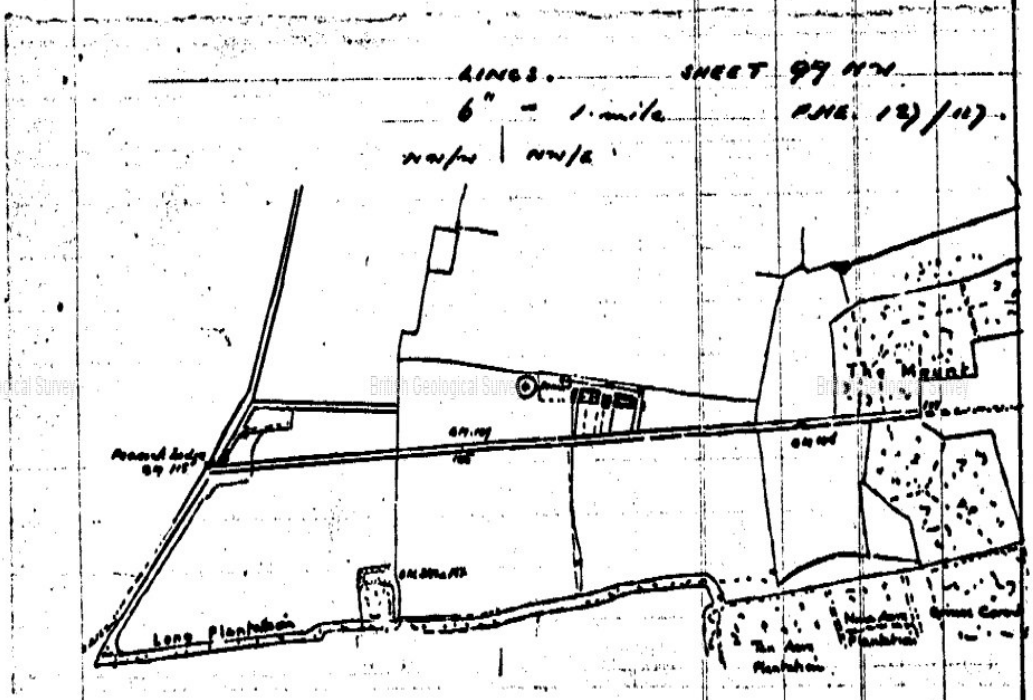
<< < Prev Page 5 of 6 Next > >>

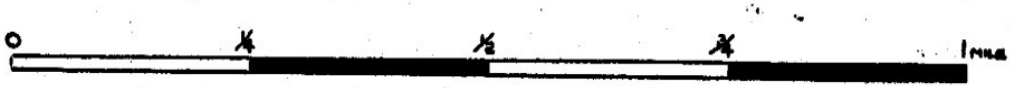
TF05 | 5

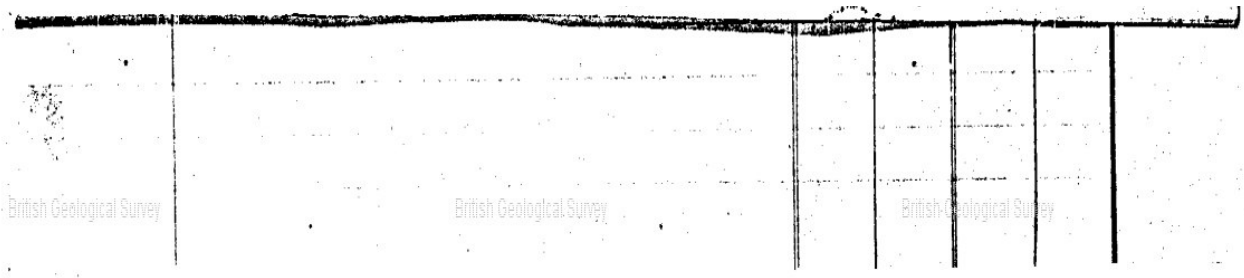
TFO

(2) (For Survey use only)

Geological Classification	Nature of Strata (If measurements start below ground surface, state how far... ...)	Thickness Feet ...	Thickness Inches ...	Depth Feet	Depth Inches
	Scaly rock	4		4	
U.E.S.	Clay	21		25.	
Lincs L.	Limestone	65		90	






British Geological Survey
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Version 2.0.6.6

BGS ID: 469208 : BGS Reference: TF05SW2
British National Grid (27700) : 504490,353770
Report an issue with this borehole

<< < Prev Page 6 of 6 Next > >>

WATER RESOURCES BOARD (Geology Division)

Reference Number G.S.M. ...127/117.. ...TF05/35....

Chemical analysis of water sample (to be copied in the same units as original document)

Source of sample ....HALL FARM.....
N.G.R. ..... Date Collected ...15/11/68.....
Aquifer .....LINCOLNSHIRE LIMESTONE.....
Analyst .....F.A. LYNE..... Analyst's ref.no. ...72.....

Appearance .....
E. cond. at 20°C ..... Turbidity (silica scale) .....
Reaction pH .....7-6..... Colour (hazen) .....
S.G. at ..... Odour .....
Temperature .....°C / .....°F Taste .....

Constituents (the units of the original analysis to be indicated, if not mg/l)

	Units:	mg/l		Units:	mg/l
T.D.S. (dried at 180°C)	.....	509	Nitrogen in nitrates	.....	.....
Hardness, Total*	.....	434	Nitrogen in nitrites	.....	.....
Carbonate*	.....	.....	Free ammonia	.....	.....
Non-carbonate*	.....	.....	Albuminoid ammonia	.....	.....
Alkalinity*	.....	240	Oxygen absorbed in		
Chlorine in chlorides	.....	53.	4 hours at 27°C	.....	.....
Free carbon dioxide	.....	.....	Residual chlorine	.....	.....
Silica	.....	.....		.....	.....
Fluoride	.....	<.05		.....	.....
Metals	.....	..... * expressed as calcium carbonate			

		Units:	mg/l	me/l	Percentage reacting equivalents
Calcium	(Ca)	.....	.....	.....	.....
Magnesium	(Mg)	.....	.....	.....	.....
Sodium	(Na)	.....	.....	.....	.....
Potassium	(K)	.....	.....	.....	.....
			Total		
Carbonate	(CO_3)	.....	.....	.....	.....
Bicarbonate	(HCO_3)	.....	.....	.....	.....
Sulphate	(SO_4)	.....	129	.....	.....
Chloride	(Cl)	.....	53.	.....	.....
Nitrate	(NO_3)	.....	.....	.....	.....
			Total		

Remarks: (continue overleaf if necessary)

British Geological Survey British Geological Survey British Geological Survey

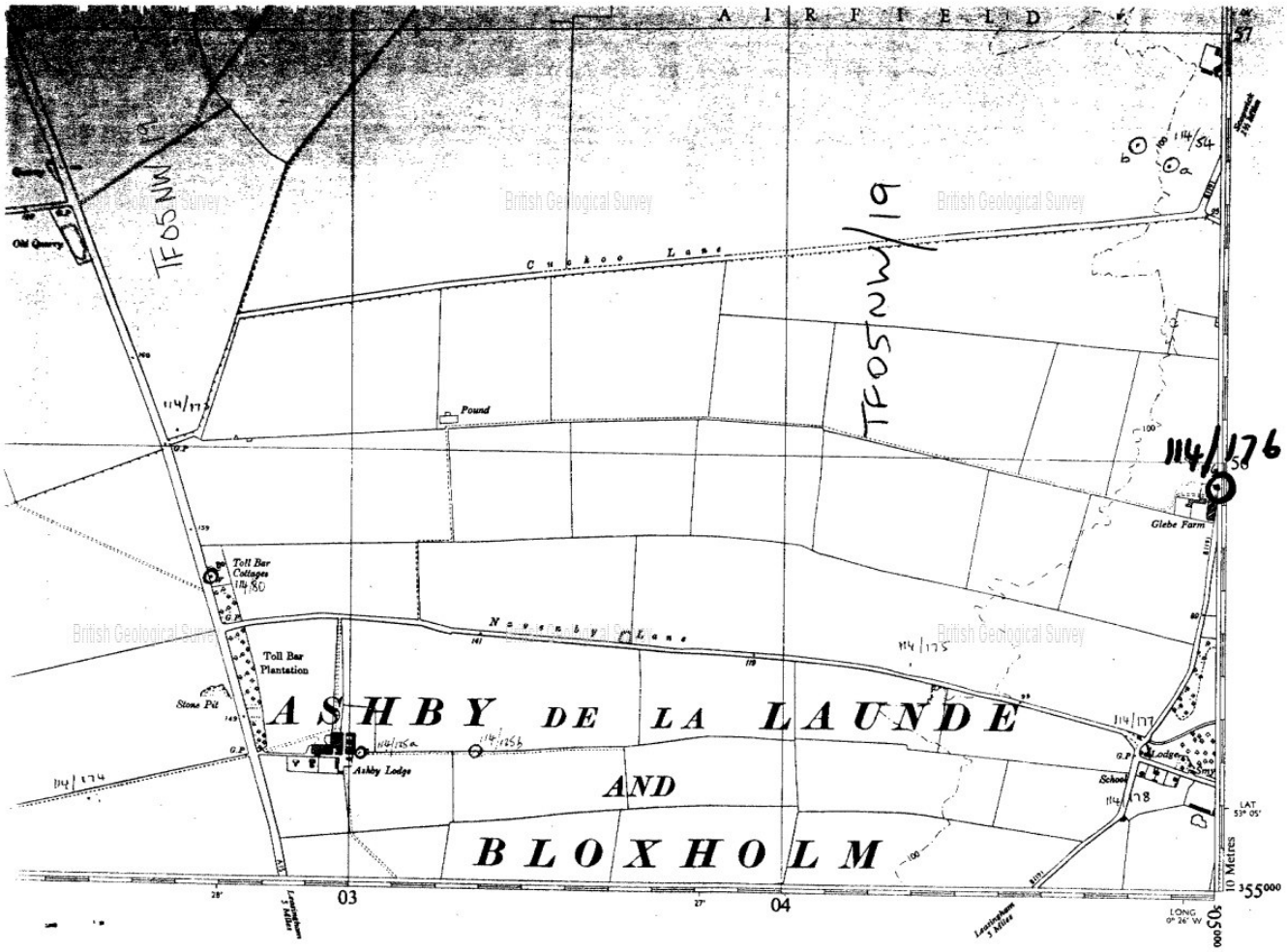
DR 44378/1/89 2m 3/66 XL

British Geological Survey

Version 2.0.6.6

BGS ID: 469087 : BGS Reference: TF05NW19
British National Grid (27700) : 504987,355943

Report an issue with this borehole



British Geological Survey

Version 2.0.6.6

BGS ID: 469087 : BGS Reference: TF05NW19
British National Grid (27700) : 504987,355943
Report an issue with this borehole

RECORD OF WELL

For Institute use only Licence No.
TF05/54 N.....

114/176

EXACT SITE OF WELL

At Glebe Farm

Town or Village ASWAY DE LA LAUNDE

County Lincs

Six-inch County Sheet .....

Six-inch National Grid sheet and reference TF 0500 5594 TF05 NW

For I.G.S. Hydro Dept. (NPR No. LL13)

State whether owner, tenant, builder, contractor, consultant, etc.:— .....

Address (if different from above) .....

.....

*DELETE AS NECESSARY

Level of ground surface above sea level (O.D.) ..... ft (27.62 m)

If well top is not at ground level, state how far ~~above~~:* below ft (0.18 m)

SHAFT.....ft (.....m); diameter.....ft (.....m);

HEADINGS (please attach details—dimensions and directions)

BORE 36'2" ft (11 m); diameter: at top.....in (15.5 cm); at bottom.....in (15.5 cm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.) PVC 2.8 m solid from surface c. 150 mm diam.

.....

.....

.....

TEST CONDITIONS

Water struck at depths of .....ft (.....m) below well top

Rest level of water.....ft (.....m) above* below* well top. Suction at.....ft (..... m)

Yield on..... hours'* days'* test pumping at.....galls (.....m³) per..... with

depression to.....ft (.....m) below well top. Recovery to rest level in ..... mins* hours*

Capacity of pump .....g.p.h. (.....m³/h)

Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type..... Motive power.....

Capacity.....galls (.....m³) per hour. Suction at.....ft (..... m)

below well top. Amount pumped.....galls (.....m³) per day. Estimated

consumption.....galls (.....m³) per week

Well made by Anglian Water Authority Date of sinking Jan 1978

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

See IGS Report Series 87/3

LOG OF STRATA OVERLEAF

Received from .....

.....

.....

Date .....

Observation well .....

INSTITUTE OF GEOLOGICAL SCIENCES,
WATER DEPARTMENT,
SOUTH KENSINGTON,
LONDON, S.W.7.

British Geological Survey

Recorder.....
E.R. log .....
Site marked on
1″ map .....
6″ map .....
(use symbol)
Copy to .....
.....
Date .....

British Geological Survey

Version 2.0.6.6

BGS ID: 469087 : BGS Reference: TF05NW19
British National Grid (27700) : 504987,355943

Report an issue with this borehole

(For Institute use only) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far.	THICKNESS Feet	Inches	Metres	DEPTH Feet	Inches	Metre

British Geological Survey



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Version 2.0.6.6

BGS ID: 469087 : BGS Reference: TF05NW19
British National Grid (27700) : 504987,355943

Report an issue with this borehole

114/176

TF05/54

A. SHBY 13

Flange 27.44 m.a.o.d.
G/L 27.62 m.a.o.d.

TF0455/99
F 0499 5595
0500 5594

GEOLOGICAL CLASSIFICATION

0
2
4
6
8
10

open hole
6 7/8"

Limestone.

Hard limestone

LIMESTONE
AGREED

MIDDLE JURASSIC

Bore 11m

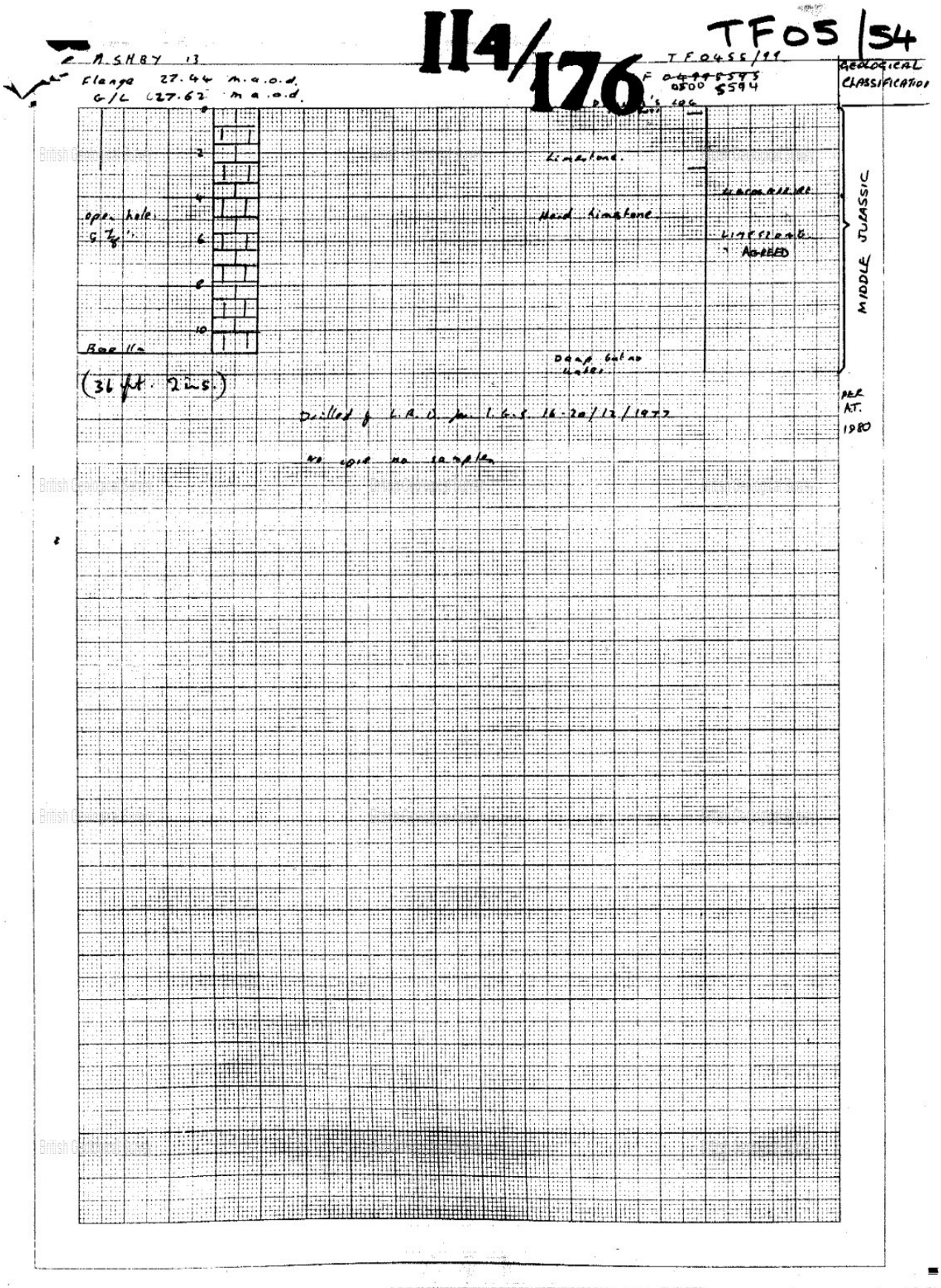
Damp but no water

(36 ft. 2 ins.)

Drilled by L.R.D. for I.G.S. 16-20/12/1977

No core no samples

PER A.T. 1980



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Version 2.0.6.6

BGS ID: 469087 : BGS Reference: TF05NW19
British National Grid (27700) : 504987,355943

Report an issue with this borehole

Additional information

TF05/54
114/176

114/176 165 Observation bore Glebe Farm Ashby-de-la-Launde

Visited. Bore has no WL recorder shelter over it at present with an AWA recorder installed (AWA padlock)
Rising water level c. 5.5 m below flange.
November 1986 ASR MAP.

Visited. Recorder trace for the week of 28.8.81 to 4.9.81 showed a shallow falling trace with no variation.
28.8.81 W.L. 8.79 m below flange
4.9.81 " 8.89 " " "

September 1981 ASR MAP.

Note. Flange is at +27.49 m OD
Casing 2.8 m 5" borehole
Bore ? c. 10 + deep.

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Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520

Report an issue with this borehole

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NGRC

BOREHOLE RECORDS

ADJUSTMENT FORM

British Geological Survey British Geological Survey British Geological Survey

QUARTER SHEET TF05NW.

BH REGISTRATION NUMBER 38 – 43.

British Geological Survey British Geological Survey British Geological Survey

RECORDS ENTERED AND HELD BY WALLINGFORD

British Geological Survey British Geological Survey British Geological Survey

BH REGISTRATION NUMBER(S)

British Geological Survey

Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520
Report an issue with this borehole

RECORD OF WELL

For Institute use only Licence No.
TF 05/53 N.....

114/175

EXACT SITE OF WELL

At c. 0.8 km WNW of village
Town or Village ASHBY DE LA LAUNDE
County LINCS.
Six-inch County Sheet .....
Six-inch National Grid sheet and reference TF 0430 5552 TF05 NW
For IGS Hydrol. Dept (ENPR No. LL 19)
State whether owner, tenant, builder, contractor, consultant, etc.:— .....
Address (if different from above) .....
.....
Level of ground surface above sea level (O.D.) ..... ft (33.69 m)

*DELETE AS NECESSARY

If well top is not at ground level, state how far above:* below: .....ft (..... m)
SHAFT.....ft (.....m); diameter.....ft (.....m);
HEADINGS (please attach details—dimensions and directions)
BORE.....ft (25.1 m); diameter: at top 4.5 in (.....cm); at bottom 4.5 in (.....cm)
Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.) .....
Trial - filled in
Continuously cored

TEST CONDITIONS

Water struck at depths of .....ft (.....m) below well top
Rest level of water.....ft (.....m) above* below well top. Suction at.....ft (..... m)
Yield on..... hours'* days' test pumping at.....galls (.....m³) per..... with
depression to.....ft (.....m) below well top. Recovery to rest level in ..... mins* hours
Capacity of pump .....g.p.h. (.....m³/h)
Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:
Make and/or type..... Motive power.....
Capacity.....galls (.....m³) per hour. Suction at.....ft (..... m)
below well top. Amount pumped.....galls (.....m³) per day. Estimated
consumption.....galls (.....m³) per week
Well made by Soil Mechanics Ltd Date of sinking Nov 1977

ADDITIONAL NOTES ANALYSIS (please attach copy if available)
See IGS Report Series 83/3

LOG OF STRATA OVERLEAF

Received from .....
.....
.....
Date .....
Observation well .....

INSTITUTE OF GEOLOGICAL SCIENCES,
WATER DEPARTMENT,
SOUTH KENSINGTON,
LONDON, S.W.7.

British Geological Survey

Recorder.....
E.R. log .....
Site marked on
1″ map .....
6″ map .....
(use symbol)
Copy to .....
.....
Date .....

British Geological Survey

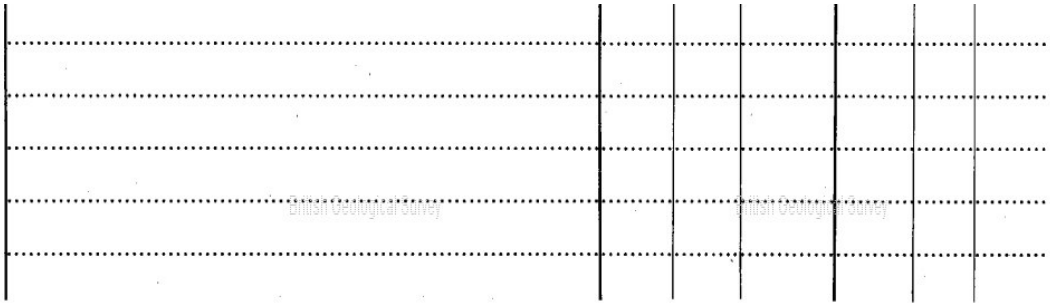
Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520

Report an issue with this borehole

(*For Institute use only*) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far.	THICKNESS			DEPTH		
		Feet	Inches	Metres	Feet	Inches	Metre

British Geological Survey



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Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520

Report an issue with this borehole

Report in Re numbered L 05 (1) 114/175

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL19

OD GL = 33.69m

IGS

TF 05/53

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		16/11/77					Brown soil with limestone fragments	
					OPEN HOLE			
	1							
	2	1215	100%			yellow to fawn buff.	Hard cemented bioclastic l'st. Thin brownish yellow oolitic bands. Tufa on bedding & fractures	
	3	1345	100%			brown yellow	Hard cemented l'st. to 3.38m, with much shelly debris. Below 3.38m open oolitic l'st, fairly crumbly & porous	
	4		100%				do., passes down to cemented l'st at c 4.50m. No apparent sharp change, little shell debris.	
	5	1515					Vertical fracture with indurable debris.	
	6						Crumbly open oolitic l'st to 6.15m, passes rapidly to	

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520

Report an issue with this borehole

re numbered LGS

(2) TF05/53

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL19

IGS

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (Metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
						Creamy Brown	hard crystalline bioclastic oolite. Shell debris up to 4 cm in length // bedding	
		1630						
	7	17/4/77 1300	100%				mainly soft crumbly (in fingers) oolite with thin cemented bioclastic bands.	Compressor u/s a.m.
	5						Oolitic in part pisolitic + random ~~[illegible]~~ abraded shell frags thro' out	
		1400						
	9		100%				d.o. becomes more micritic towards base of run.	
						buff-grey		
		1510						
	10		100%				micritic hard limestone, thin oolitic seams + fewer shell frags to 10.60m. 10.60 - 11.10 oolitic, crystalline	
						cream brown	Thin clay seam (1-2mm) at 10.58m	
	11						micritic few oolitics	
		1615						
			100%			Pores to Pawn	Soft crumbly micritic l'st pores down to very hard, crystalline bioclastic oolite,	clm drilled in 1hr.
	12					DK		

British Geological Survey

Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520

Report an issue with this borehole

re-numbered LYS (3)

TF05/53
IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL19

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
						Grey	splintery + large complete lamellibranch shells	
		1730 18/11/77				Grey	Crystalline, very hard lmst lamellibranch shells	
						dk grey	argillaceous softer lmst	
						v. dk grey	Soft flaggy clay band with small lmst fragments (½	
						dark grey	bioclastic lmst with much dark clay matrix soft & crumbly	
	13					mid grey		
		100°	100%			charcoal	soft and friable clay band with shell fragments on laminae	
						light grey	Very hard tight crystalline limestone with angular conchoidal fracture when split oliths set in sparry matrix occasional shell fragments	
		10.30					large complete lamellibranch shells	
	14						Very hard and crystalline oolite extremely tight	
						grey	very hard crystalline oolite large ooliths and pisoliths set in a sparry matrix. ~~[illegible]~~	
			100%				do. becoming darker & more micritic to base	
						dk grey	clay rich band gradually merges into purer oolitic limestone	
	15					grey	very hard oolitic lmst in sparry matrix many shell fragments, very tight	
		12.00					Very had oolitic lmst with abundant shell fragments	
						yellowy grey	bioclastic lmst. v. hard + some ooliths	
						dk grey	laminated clay seam - soft + crumbly contains shell fragmen	
	16		100%			lt grey	v. hard crystalline	
						dk grey	laminated clay seam - soft & crumbly & splits into lamina	
						brown	marly partings in lmst	
						Buff with darker Restaining	Very hard splintery biomicrite	
						grey	Very hard crystalline lmst shell fragments common	
		1345 22/11/77						
	17						Hard crystalline lst above becoming argillaceous 17.30m Many crushed shell fragments, rock crossed by clay stringers	
			100%			Buff	Hard impure crystalline limestone, very few shell fragments	
						Grey Brown	clayey limestone	
	18					Buff		

British Geological Survey

Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520

Report an issue with this borehole

Re numbered LGS

(4) TF05/53 IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL19

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		1415				Buff passing to Grey	Hard open oolite minor broken shell fragments. Hard crystalline impure l'st many broken shell fragments, 18.35 to end of run very porous, locally very crumbly. Large shell fragments in very hard porous l'st.	
	19		100%					
		1600				Dk grey	Soft crumbly clayrich sandy l'stone.	
	20		100%			Grey	Hard or soft banded impure sandy shell frag rich l'stone. Becomes oolitic 20.26m locally sandy textured. Large ghost oolitic + shell fragments 20.80 to 21.00m	
	21	1730						
		23.4.77				Buff	Hard oolitic l'st. occasional shell fragments.	Water Seepage Sample at 19.80m b.c.
	22		100%			Grey	Hard oolitic l'st impure, thin clay rich patches minor shell debris	
		1020				Buff	CO	
	23					Grey	oolitic lmst + coarse shell fragments calcite vertical veinlet. Oolite passes down to impure oolite than grey clayrich lmst with minor oolith content + fairly large shell fragments. V. impure lmst with gastropod fragments - 4cm + length. V. impure lmst with bivalve fragments and mud pellets (c.3cm) thin clay band	water show 23.80 - perched on clay
	24					Buff		

scans.bgs.ac.uk/sobi_scans/boreholes/469108/images/14729759.html 2/2

British Geological Survey

Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520

Report an issue with this borehole

Re numbered LØS. (3)

TF05/53
IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL19

SAMPLE (AERE, AWA, Most, PH PR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		1230				grey	v impure lmst with gastropod fragments in abundance at top – up to 2mm diam.	
						grey	v impure lmst with many bivalve and some gastropod shells – up to 2cm long minor oolith content bioturbation channel at base	
			100 %			mdgrey	v impure muddy lmst with small shell fragments – laminated	
							v impure lmst – oolite with occasional shell fragments much clay in matrix	
	25	1415				grey		
	END							
	26							

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469108 : BGS Reference: TF05NW40
British National Grid (27700) : 504300,355520

Report an issue with this borehole

British Geological Survey

TF05/53

Core Analysis data

available From Aquifer Properties

Laboratory, Engineering Geology and

Reservoir Rock Properties group.

National Grid Reference :- TF 043 556

Laboratory sample number :- 1082

M. I. Bird

June 1985.

APPENDIX E4 BGS BOREHOLE LOGS – ZONE F

British Geological Survey

Version 2.0.6.6

BGS ID: 469062 : BGS Reference: TF05NE53
British National Grid (27700) : 505650,356250
Report an issue with this borehole

<< < Prev Page 2 of 3 Next > >>

TF05NE 0565 5625

RECORD OF WELL (SHAFT OR BORE) 114

T.F.R.S. 1/20

1" N.G.
1" O.S. 70
Grid Ref.

At Rowston Hall Grid Tank, Skegnick Rowston.
Town or Village Rowston County Lincs Six-inch quarter sheet 87 SW/E
Exact site See tracing in parish of Rowston (A rough sketch-map or a tracing from a map is very desirable)
Level of ground surface above sea-level (O.D.) 100 ft. If well starts below ground surface, state how far ft.
Shaft ft., diameter ft. Bore ft. Diameter of bore: at top ins.; at bottom ins.
Details of permanent lining tubes (internal diameters preferred)

Water struck at depths of (feet)

Rest-level of water below ~~above~~ top of well 44 feet. Suction at feet. Yield on 'hours' / days' test gallons per (with pump of capacity g.p.h.); depressing water level to feet below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.
Quality (attach copy of analysis if available)
Sunk by T. E. Smith & Son for Mr. W. H. Baldock, Saxenge, Rowston Date of well July 1926
Information from W. H. Bethley & Son, Grantham per W. D. Evans

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).	THICKNESS Feet.	THICKNESS Inches.	DEPTH Feet.	DEPTH Inches.
Soil, inc Bliswort	Clay if Map is correct Red Soil	1	6	1	6
Gt. Oolite Lst.	Yellow Sandstone	4	6	6	—
	Blue clay	1	—	7	—
	Blue stone	4	—	11	—
approx base	Blue clay	—	6	11	6
	Blue stone	9	—	20	6
Upper Estuarine Beds	Yellow sandstone	1	6	22	—
	Blue clay	1	—	23	—
	Very hard blue stone	5	—	28	—
	Black clay	2	—	30	—
	Blue stone	6	—	36	—
	Blue clay	1	—	37	—
Lincs Lst.	Very hard blue stone	39	—	76	—
	Brown Sandstone	4	—	80	—
	Hard blue stone.	32	—	112.	—

RJB 16/12/75

* According to O.S. 1" geology, 2 faults making through or running straight towards Rowston Hall & striking mid Gt. Oolite Lst.

Chimera windmill pump. Bore supplies house, 3 cattle yards & stable. Good supply, never fails, except for lack of wind to raise water.

CLR 9/10/90

RECORD OF WELL (SHAFT OR BORE)

036456 26

TF 11 NE 4

1" N.S.

At Rowston Hill Farm

Town or Village Kirkby Laythorpe Six-inch quarter sheet SW/E

Exact site (Rowston Tg ... in 1560 ... 4 ... 4 ...) (a rough sketch-map or a tracing from a map is very desirable)

Land charge) See tracing in parish of Rowston

Level of ground surface above sea-level (O.D.) 82.47 ft. If well starts below ground surface, state how far ft.

Shaft ft., diameter ft. Bore ft. Diameter of bore: at top ins.; at bottom ins.

Details of permanent lining tubes (internal diameters preferred)

Water struck at depths of (feet)

Rest-level of water ~~below~~ above top of well 44 feet. Suction at feet. Yield on hours' days' test

gallons per (with pump of capacity g.p.h.); depressing water level to feet below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.

Quality (attach copy of analysis if available)

Sunk by T. Slack & Son. for Mr. W.H. Baldock, Surveyor, Bourne Date of well July 1926

Information from Wm. Pettifer & Son. Grimsby per A.D. Evans

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).		THICKNESS Feet.	THICKNESS Inches.	DEPTH Feet.	DEPTH Inches.
Soil, Kimm. Blisworth Clay	(4 map location). Red soil	0.46	1	6	1	6
	Yellow sandstone	1.37	4	6	6	—
	Blue clay	0.30	1	—	7	—
Great Oolite Limestone	Blue stone	1.22	4	—	11	—
	Blue clay	BWL 0.15				
	Blue stone	2.74	9			
	Yellow sandstone	0.46	1	6		
	Blue clay	0.30	1	—	25	—
Upper Estuarine Beds	Very hard blue stone	RLD 1.52	5		28	—
	Black clay	0.161				
	Blue stone	1.83	6			
	Blue clay	0.30	1	—		
L.C.	Very hard blue stone	11.89	39		74	—
	Brown sandstone	LL 1.22	4		80	—
	Hard blue stone	9.75	32	—	112	—

Comments

?BWL BGL RLD RLD

Tubed to 34.0m. and dipped out at 51 metres down.

6.71 Rock CLAY SST BGS

11.28 CLAY STONE RLD

34.14 STONE LL

GEOLOGICAL SURVEY AND MUSEUM. SOUTH KENSINGTON. LONDON, S.W.7.

For Survey use only

Date received	G.S.M. Office File No.	Site marked on 1" map (see symbol)
VIII – 5K		⊙

(*11818) Wt.29661/O.889 10,000 A.& E.W.Ltd. Gp.656

APPENDIX E5 BGS BOREHOLE LOGS – ZONE G

British Geological Survey

Version 2.0.6.6

BGS ID: 469064 : BGS Reference: TF05NW1
British National Grid (27700) : 502699,355689
Report an issue with this borehole

<< < Prev Page 2 of 2 Next > >>

RECORD OF WELL (SHAFT OR BORE)

1/14/

TF05/16 80

At Toll Bar Cottages

Town or Village Ashby de la Launde and Bloxholm Parish

County Lincs. Six-inch quarter sheet 87 S.W.

For Mr.

Exact site of well TF05NW 0268 5569 { Attach a tracing from a map, or a sketch-map, if possible.

Level of ground surface above sea-level (O.D.) 158 feet.

Is well-top at ground level ? If not, state how far above / below ; feet.

Shaft 94 ft., diameter ft. Details of headings

Bore ft. ; diameter of bore : at top ins. ; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes

Water struck at depths, below well-top, of (feet)

TEST DETAILS
Month
Year

Rest-level of water ft. above / below well-top. Suction at ft. Yield on hours' / days'
pumping gallons per (max. capacity of pump g.p.h.),
with depression of feet. Recovery to in mins. / hours.

WORKING CONDITIONS

Rest-level of water in (month), 1943 (year), 87 ft. above / below well-top.
Highest " in (month), (year), ft. above / below "
Lowest " in (month), (year), ft. above / below "
Suction at ft. Rate of pumping galls. per for hours per day.
with average depression of ft. Recovery to in mins. / hours

Quality of water (*attach copy of analysis if available*)

Well made by Date of well

Information from Dr. W. D. Evans.

ADDITIONAL NOTES.

See wartime cat. 11.

According to 6" Field slip 94' deep with RWL 87' down.

Site on Lincs. List.

O.T.B.

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.

British Geological Survey

(17206) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.656

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

British Geological Survey British Geological Survey British Geological Survey

NGRC

BOREHOLE RECORDS

ADJUSTMENT FORM

QUARTER SHEET TF05NW.

BH REGISTRATION NUMBER 38 – 43.

RECORDS ENTERED AND HELD BY WALLINGFORD

BH REGISTRATION NUMBER(S)

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040
Report an issue with this borehole

<< < Prev Page 2 of 10 Next > >>

For Institute use only~ Licence No.

TF05/51 N.....

114/173

RECORD OF WELL

EXACT SITE OF WELL

At 2½ km WNW of Ashby

Town or Village ASNBY DE LA LAUNDE

County LINCS

Six-inch County Sheet .....

Six-inch National Grid sheet and reference TF 0260 5604 TF05NW

For IGS Hydro Dept (GNPR No LL08)

State whether owner, tenant, builder, contractor, consultant, etc.:— .....

Address (if different from above) .....

Level of ground surface above sea level (O.D.) ..... ft (46.03 m)

*DELETE AS NECESSARY

If well top is not at ground level, state how far above:* below: ..... ft (..... m)

SHAFT..... ft (..... m); diameter..... ft (..... m);

HEADINGS (please attach details—dimensions and directions)

BORE..... ft (28.7 m); diameter: at top 4.5 in (..... cm); at bottom 4.5 in (..... cm)

Full details of permanent lining tubes (position, length, diameter, plain, slotted, etc.) .....

Trial - filled in

Continuously cored

Water struck at depths of ..... ft (..... m) below well top

TEST CONDITIONS

Rest level of water..... ft (..... m) above* below well top. Suction at..... ft (..... m)

Yield on..... hours'* days' test pumping at..... galls (..... m³) per..... with depression to..... ft (..... m) below well top. Recovery to rest level in ..... mins* hours

Capacity of pump ..... g.p.h. (..... m³/h)

Date of measurements.....

NORMAL CONDITIONS

DESCRIPTION OF PERMANENT PUMPING EQUIPMENT:

Make and/or type..... Motive power.....

Capacity..... galls (..... m³) per hour. Suction at..... ft (..... m) below well top. Amount pumped..... galls (..... m³) per day. Estimated consumption..... galls (..... m³) per week

Well made by Soil Mechanics Ltd Date of sinking Nov 1977

ADDITIONAL NOTES ANALYSIS (please attach copy if available)

See IGS Report Series 83/3

LOG OF STRATA OVERLEAF

Received from .....

Date .....

Observation well .....

INSTITUTE OF GEOLOGICAL SCIENCES,
WATER DEPARTMENT,
SOUTH KENSINGTON,
LONDON, S.W.7.

British Geological Survey

Recorder.....
E.R. log .....
Site marked on
1″ map .....
6″ map .....
(use symbol)
Copy to .....
.....
Date .....

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

(For Institute use only) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far.	THICKNESS Feet	Inches	Metres	DEPTH Feet	Inches	Metre

British Geological Survey



British Geological Survey British Geological Survey British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

ASHBY LLB
G/L 46.03 m.a.o.d.

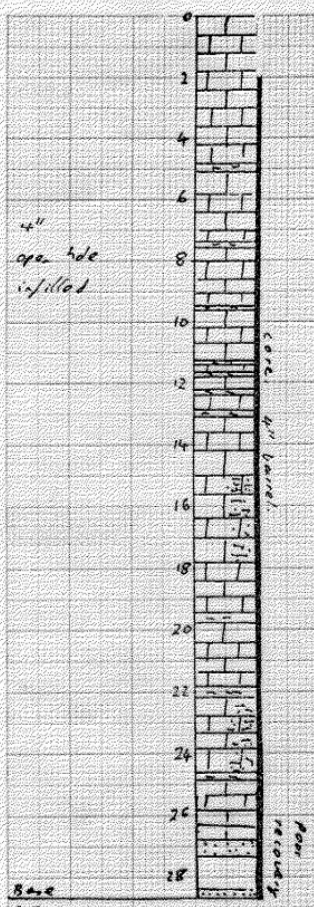
114/173

TF 0256/60
TF 02605604.

GEOLOGICAL CLASSIFICATION

TF05|51

OUTCROP: LINCOLNSHIRE LIMESTONE



(94 ft 2ins)

massive cementstones.

buff grey friable oolites

Hard partially cemented oolite

Hard muddy limestone underlane by laminated marl seam.
Hard partially cemented oolites

massive cementstone with laminated marls especially near the top
A-A but blue hearted

hard muddy limestone

Hard partially cemented oolite with occ marlstone bands

Hard muddy Limestone.

soft running sand above sandy clay
& sandy silts, slightly calc.
Mottled brown & grey clays with plant
pays & clayey sands
siliceous cemented sands.

LINCOLNSHIRE LIMESTONE

LOWER ESTUARINE SERIES

LINCOLNSHIRE LIMESTONE (UNDIVIDED)

LOWER ESTUARINE BEDS AND NORTHAMPTON SAND/GRANTHAM FORMATION?

BAJOCIAN

MIDDLE JURASSIC

Information on Fracture index, porosity, rock chemistry.
moisture content 4.30 INV
more detailed log in master file, L.R.D. Boston

Drilled 24-27/11/77 for I.G.S.
by Soil Mechanics
cored throughout. core stored by I.G.S.

PER A.T. 1980

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

report : re numbered 40 (1) 114/173

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE LL8 OD G.C. 46.03 m. IGS

TF05/51

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (METRES)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		24.11.77				Brown	Brown soil with limestone fragments	
						Buff & grayish		
	1				OPEN HOLE			
	2	24.11.77	80%	RUBBLE		Buff to yellow brown	oolitic limestone with calcite nests (2cm) Occasional bivalve fragments (1-2cm) ooliths well cemented by sparry cement in patches - otherwise rather friable and crumbly	
	3	1615	100%				oolitic lmst with calcite veins and sparry calcite nests many shell fragments in oolite poorly cemented ooliths	
	4	1645	100%			Buff	Fine grained clay rich limestone with scattered ooliths and shell fragments calcite veinlets thro' oolite v. coarse oolitic lmst with minor shell fragment component	
	5	1730 25/11/77				Buff	clay seam. Hard sparry cemented fine oolite minor shell debris Vertical fracture with clay residue coating	
	6							

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

Renumbered LPO

(2)

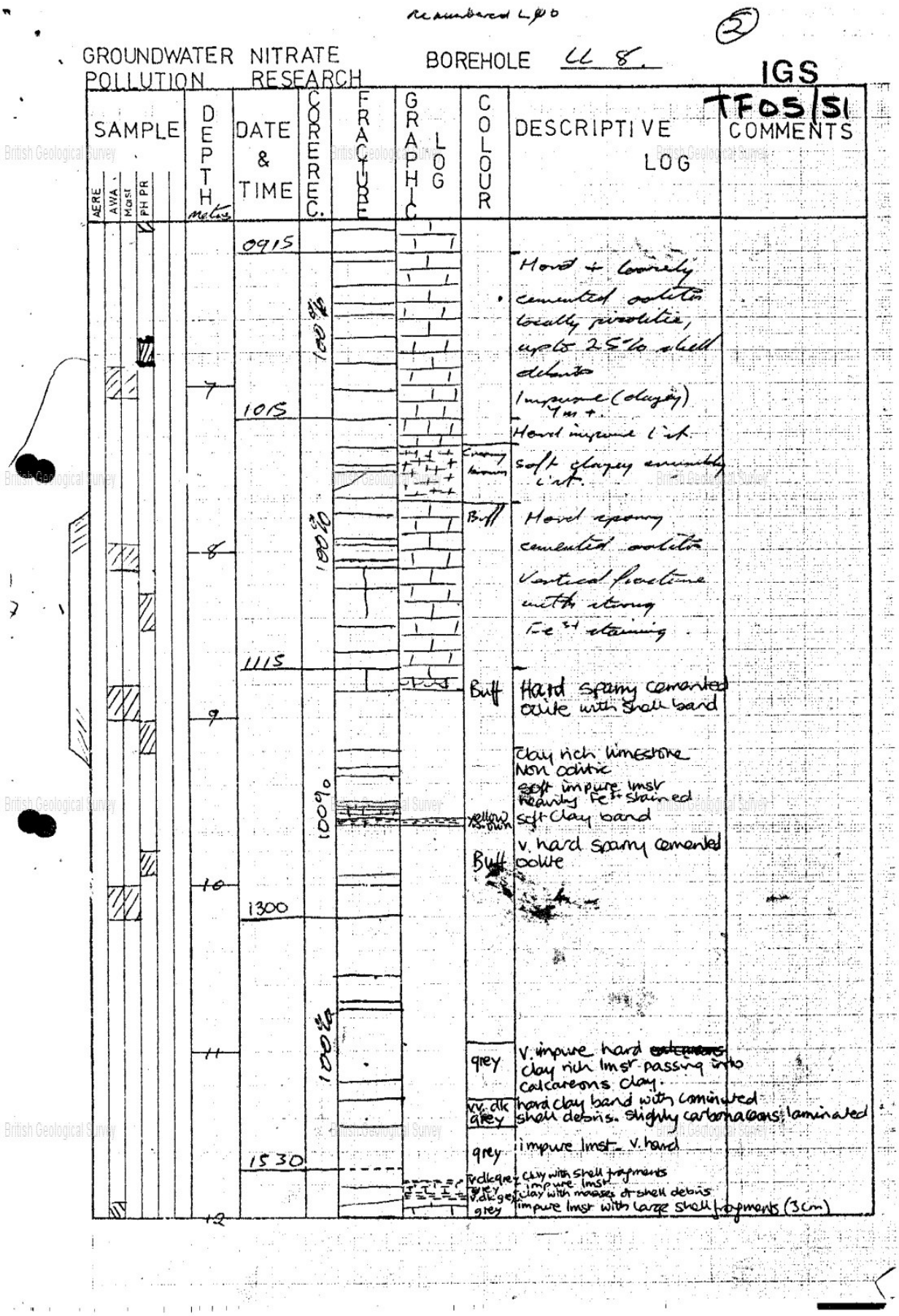
GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL 8.

IGS

TF05/51

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
		0915	100%				Hard + loosely cemented oolites locally pisolitic, up to 25% shell debris	
	7	1015					Impure (clayey) 7m+. Hard impure l'st.	
						Creamy brown	soft clayey crumbly l'st.	
	8		100%			Buff	Hard sparry cemented oolite. Vertical fracture with strong Fe3+ staining.	
		1115				Buff	Hard sparry cemented oolite with shell band	
	9		100%				Clay rich limestone Non oolitic soft impure lmst heavily Fe3+ stained	
						yellow/brown	soft clay band	
						Buff	v. hard sparry cemented oolite	
	10	1300						
	11		100%			grey	v. impure hard ~~calcareous~~ clay rich lmst passing into calcareous clay.	
						vv. dk grey	hard clay band with comminuted shell debris. slightly carbonaceous; laminated	
		1530				grey	impure lmst. v. hard	
						v.dk grey	clay with shell fragments	
						grey	impure lmst	
						v.dk grey	clay with masses of shell debris	
	12					grey	impure lmst with large shell fragments (3cm)	



British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

Re numbered L06 (3)

TF05/51

IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL8

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (METRES)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
							laminated clay band with masses of shell fragments v. impure lmst	
			100%			grey	v. hard lmst – buff where more porous + oxidised Fe 3+	
						buff	a grey where Fe in reduced condition scattered ooliths + shell fragments	
						grey	v. impure lmst with massive shell fragments (10cm+)	
	13					buff	v. soft marl seam	
							Hard impure lmst	
		1700 26/11/77				grey with buff	Hard crumbly +	
			100%			reaction rims	hard splintery	
	14						impure cementstones patchy oolite bands + shell debris thro' out.	
							Clay lenses + a shell molds scattered thro' run.	
		0915					All sticks of core blue hearted.	
	15							
			96%	LOST		Grey Pressing Gbor	Soft wet clay with shell fragment	
						Buff	Soft clay	Hard impure l'st non oolitic large 2 cm shell fragments
							Soft clay	Sub vertical fractures with pyrolucite spots, no Fe 3+
	16						soft clay-clay	staining
		1015					white Cementstone with ferruginous ooliths (scatter	
							Thin patchy impure lmst with many ferruginous ooliths	
							Cementstone with v. scattered ooliths + cominuted shell fragments & clay pellets	
	17					v.dk grey	Thin clay parting	
							Impure lmst with many large gastropod fragments (4cm)	
						v.dk grey buff	Thin clay parting v. impure lmst	
							clay ~~parting~~ band	
						v.dk grey buff	v. impure lmst – much Fe 3+ staining on vertical joint	
		1115				brown buff	clay seam & Pyrolucite " " "	
						lt. buff	v. impure limestone with scattered ooliths	
	18							

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

re numbered LP6

(4)

TF05/51
IGS

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL8

SAMPLE (AERE / AWA / Moist / PH PR)	DEPTH	DATE & TIME	CORREC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
	18		100%			Buff	Hard oolitic limestone with sparry calcite cement Some clay in matrix Calcite crystals infilling vugs (2cm)	
		1215						
	19					Buff	Impure limestone with occasional ooliths Deconstituted shells replaced with clay infilling	
							Oolite - very hard	
			100%			Orange brown	Crumbly clay band with comminuted shell debris - Fe stained	
						buff	Ferruginous oolite with sparry calcite cement	
	20							
		1420						
			100%			Buff	very hard oolitic limestone well cemented with sparry calcite	
		1530						
	21						very hard oolitic limestone with sparry cement	
							do.	
			100%				do. becoming more impure with depth, 4 bm well cemented.	
							Impure oolitic limestone with much clay in matrix and large shells (3cm) soft & friable	
	22					Orange brown	Soft and moist clay band	
						Buff	stained with Fe^{3+}	
		1650 27/4/17					Hard oolitic unst with clay pellets (3cm) and shell fragments replaced by calcite	
							Hard impure lst many shell frags thin patches oolith-rich Vuggy - 5cm+ - clay filled	
	23		100%			Grey	Hard spiculitic lst many bivalve & gastropod fragments up to 2cm; calcite cmtn v minor oolith content, no clays.	
		1010						
	24							

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

Re numbered LP0

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE LL8

TF05/51 IGS

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH (metres)	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
			100%			GREY	Very hard splinting fine grained impure l'st; shaly texture 24.52-.70m much shell debris very clayey.	
						Dk		
	25	1130					l'st with minor amount of large (0.5cm+) shell debris	
	26		100%				Hard impure shelly l'stone, mainly bivalves + gastropod frags, bivalves up to 4cm diameter. Silty clay l'stone, slightly micaceous calcareous silt, well laminated.	
		1230						
	27		60%				Soft running sand above sandy clay + sandy silts, slightly calcareous. Passes down to mottled brown + grey clays with plant fragments (coaly) + clayey sands. Siliceous cemented sand + silt below.	
?*	28	1400						
		1500 END	10%					
	29						* 28m sample ? location 40% core loss in run.	
	30							

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469106 : BGS Reference: TF05NW38
British National Grid (27700) : 502600,356040

Report an issue with this borehole

British Geological Survey

TF05/51

Core Analysis data

available from Aquifer Properties Laboratory, Engineering Geology and Reservoir Rock Properties group.

National Grid Reference :- TF 026 561

Laboratory sample number :- 1080

M. I. Bird

June 1985.

APPENDIX E6 BGS BOREHOLE LOGS – ZONE H

British Geological Survey

Version 2.0.6.6

BGS ID: 469081 : BGS Reference: TF05NW13
British National Grid (27700) : 504606,358407
Report an issue with this borehole

<< < Prev Page 1 of 1 Next > >>

RECORD of ~~WELL or~~ a Series of BORINGS (Nos. 19-29)

TF05NW 9-13

Survey No.
1" N.S. 114
1" O.S.

~~at (house or farm)~~ Across the outcrop of the Lincolnshire Limestone, 9 miles S. of Lincoln.

Town, Village, &c. County Lincs Six-inch map

Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). Description given made by L.H.C. from the (see Tracing) Popular Edition of one-inch map. Sheet Square

Surface level of ground ft. above Ordnance Datum. Well or Bore commenced at ft. below surface level of ground.

Sunk ft., diameter ft. Bored ft.; diameter of boring at top 6 in., at bottom 6 in.

Details of lining tubes (internal diameters preferred)

All the holes were bottled to take explosives (for the seismic method of geophysical surveying)

Water struck at depths of (feet)

Rest-level of water below / above top of well or bore ft. Pumping level ft. Time of recovery hours.

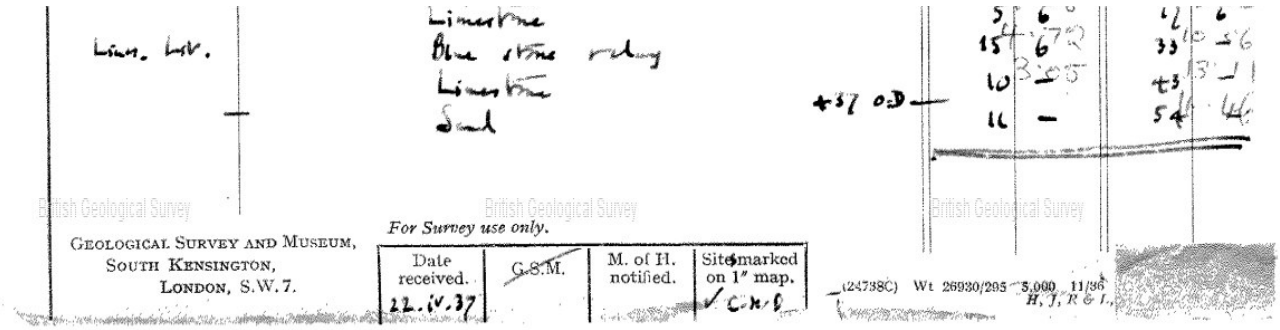
Suction at ft. depth. Yield: (i) on test galls. per, (ii) normal galls. per.

Quality (attach copy of analysis if available)

Made by L.C. Coal Sinking & Drill for N. D'Arcy Exploration Co. Date of boring Nov.-Dec. 1930

Information from Mr. P.E. Kent (Anglo-Iranian Co.)

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA. (Thickness and additional remarks)	THICKNESS. Feet.	THICKNESS. Inches.	DEPTH. Feet.	DEPTH. Inches.
TF05NW/9 & 10	Nos 19 & 20* Records apparently not preserved. No 19 was in Navenby, on N. side of road opposite Vine Farm. No. 20: Navenby Heath, again with boundary, 1 mile 48 chains E of Navenby church & 44 chains N of Temple road.				
TF05NW/11	No 21. Temple Bruer & Temple Hirst Grange (joint) parish; about 40 chains N.W. of Temple Hirst Grange Farm, 10 chains E of main road, & 10 chains S of road leading from Scopwick to Scopwick. O.D. ca +155 (range 152–160). No water.				
	Top soil	0	30	0	30
	Soil with Limestone	1	37	1	68
	Limestone	4	6	5	6 76
Lincs. List.		49	6	55	6 76
TF05NW/12	No. 22. Same parish. About 51 chains N.E.ly of same farm, & 34 chains S of same road to Scopwick. W by N of Scopwick Lodge. O.D. say +105. No water.				
	Top soil	0	46	0	46
	Limestone	1	6	1	6
	Blue clay & stone	22	6	23	6 53
	Limestone	9	2 74	32	1 28
		23	7 01	56	8 29
TF05NW/13	No. 23. Scopwick parish. (About ¼ mile N.E. of Scopwick Lodge.) One & a half miles W.N.W. of Scopwick church; ca. 3 chains S.E. of line of main road to Scopwick Lodge from the N.W., & 34 chains S.W. from where this latter leaves the Scopwick–Navenby road. O.D. ca +80. Rest-level of water 22½' down. Water struck at 28 ft. down; water-struck again at 43' down.				
	Top soil	0	30	0	30
	Soil roots & stones	2	0 61	1	30 91
	Soil & stones	2	0 61	5	1 52
	Layers of sand & limestone	7	2 13	12	3 66
		7	1 68	19	5 33



British Geological Survey
British Geological Survey
British Geological Survey

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

For Survey use only.

Date received.	G.S.M.	M. of H. notified.	Site marked on 1" map.
22.iv.37			✓ C.H.B.

(24738C) Wt 26930/295 5,000 11/36
H, J, R & L.

CLR 9/10/90

RECORD OF WELL (SHAFT OR BORE)

036456 26

TF 11 NE 4

1" N.S.

At Rowston Hill Farm

Town or Village Kirkby Laythorpe Six-inch quarter sheet SW/E

Exact site (Rowston Tg ... in 1560 ... 4 ... 4 ...) (a rough sketch-map or a tracing from a map is very desirable)

Land charge) See tracing in parish of Rowston

Level of ground surface above sea-level (O.D.) 82.47 ft. If well starts below ground surface, state how far ft.

Shaft ft., diameter ft. Bore ft. Diameter of bore: at top ins.; at bottom ins.

Details of permanent lining tubes (internal diameters preferred)

Water struck at depths of (feet)

Rest-level of water ~~below~~ above top of well 44 feet. Suction at feet. Yield on hours' days' test

gallons per (with pump of capacity g.p.h.); depressing water level to feet below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.

Quality (attach copy of analysis if available)

Sunk by T. Slack & Son. for Mr. W.H. Baldock, Surveyor, Bourne Date of well July 1926

Information from Wm. Pettifer & Son. Grimsby per A.D. Evans

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).		THICKNESS Feet.	THICKNESS Inches.	DEPTH Feet.	DEPTH Inches.
Soil, Kimm. Blisworth Clay	(4 map location). Red soil	0.46	1	6	1	6
	Yellow sandstone	1.37	4	6	6	—
	Blue clay	0.30	1	—	7	—
Great Oolite Limestone	Blue stone	1.22	4	—	11	—
	Blue clay	BWL 0.15				
	Blue stone	2.74	9			
	Yellow sandstone	0.46	1	6		
	Blue clay	0.30	1	—	25	—
Upper Estuarine Beds	Very hard blue stone	RLD 1.52	5		28	—
	Black clay	0.161				
	Blue stone	1.83	6			
	Blue clay	0.30	1	—		
L.C.	Very hard blue stone	11.89	39		74	—
	Brown sandstone	LL 1.22	4		80	—
	Hard blue stone	9.75	32	—	112	—

Comments

?BWL BGL RLD RLD

Tubed to 34.0m. and dipped out at 51 metres down.

6.71 Rock CLAY SST BGS

11.28 CLAY STONE RLD

34.14 STONE LL

GEOLOGICAL SURVEY AND MUSEUM. SOUTH KENSINGTON. LONDON, S.W.7.

For Survey use only

Date received	G.S.M. Office File No.	Site marked on 1" map (see symbol)
VIII – 5K		⊙

(*11818) Wt.29661/O.889 10,000 A.& E.W.Ltd. Gp.656

British Geological Survey

Version 2.0.6.6

BGS ID: 469074 : BGS Reference: TF05NW7/A
British National Grid (27700) : 504886,356649

Report an issue with this borehole

WELL BORING at Digby Aerodrome, 17V (Sedgwick Museum) County Lincs

Geol. map OS 70(NE) 1 in. map New Series 114 6 in. map 87 S.W.

Made by R.E. boring squad Date 1935.

Bored

Communicated by Col. Restler, Air Ministry

Height above Ordnance Datum 98ft. 0102 3104 Rest level of water

Yield sufficient quantity

Quality (with copy of analysis on separate sheet)

No 2 Bore - 04895665

TF05NW7

114

54A

GEOLOGICAL FORMATION.	NATURE OF STRATA.	THICKNESS. Feet.	Inches.	DEPTH. Feet.	Inches.
Supplement 1:25: ground as explored in Fen Court near Temple Grange to 16 N.W.	Pennell gravel	0.61	2 —	0.61	2 —
[16 N.E.] U. Lincs. Lst.	Hard siliceous limestone Lincs. Lst.	10.52	34 6	11.13	36 6
	" " " W. Sandstone Sands.	2.46	8 —	13.56	44 6
? Lincs. Lst. Not seen to 1st. drill but not lower than drift Contour of 60 Ord. St. at Digby	Very hard bluestone	8.38	24 6	21.95	92 —
	Bluestone with yellow sandstone	0.61	2 —	22.56	94 —
	Greyish blue conglomerate) Portlandian Lst. (Beds of cementstone & sandstone succession)	5.49	18 —	28.05	92
	Hard siliceous limestone	1.22	4 —	29.27	96
	Hard bluestone	1.37	4 6	30.63	100 6
MUST. GET L. Est. L. N. Sands	Blue Sandy shale Lower Estuarine	0.91	3 —	31.55	103 6
MUST NOT. NSLW. Esham	Soft yellow sandstone [? sand] Northampton Sands	0.61	2 —	32.16	105 6
MUST NOT. ULL Lst. U. Lias	Dark blue shale Upper Lias	4.88	16 —	37.03	121 6.

neli. 3

Well Rowston is not in Digby

LW (Ford or Scopwick Ford West Well)

Site visited by Templeman (1.i.'47)

A.B. Reed on Lincs 87 SW-E.

[Digby aerodrome is apparently the same place as Scopwick Camp 114/93 R.L.S. 14/4/42]

* Trouble was followed by a loss of part of the Kelloway Rock (GSM — § ? and hence formed the "sufficient quantity" for boring use)

[Remaining part may be lost under boulder clay] R.L.S. 11/2/42

Reed on Lincs 87 SW-E

No 2 Bore. RWL. 53'05. 22.10.49. [LW6 Return]

Yield. 2,120 gph.

OD.C102.

GSM 6469 § Digby

Subsurface 4.xi.25 by J.A.H.

British Geological Survey

GEOLOGICAL SURVEY AND MUSEUM, ERMYN STREET, LONDON, S.W. 1.

(S. 1456.) Wt. 36671/269. 2000. 6-19. Ph. & Ty. Ltd.

British Geological Survey

Version 2.0.6.6

BGS ID: 469074 : BGS Reference: TF05NW7/A
British National Grid (27700) : 504886,356649
Report an issue with this borehole

#1

RECORD OF WELL (SHAFT OR BORE)

"TF05/18A
114/54A

At Scopwick Camp (R.A.F.) No1 Bore.

Town or Village ±

County Lincs Six-inch quarter sheet 87 S.W./E

For Mr.

Exact site of well TF05NW 0488 5668 (Attach a tracing from a map, or a sketch-map, if possible.)

Level of ground surface above sea-level (O.D.) C99 feet.

Is well-top at ground level? If not, state how far above / below feet.

Shaft ft., diameter ft. Details of headings

Bore 91 ft.; diameter of bore: at top 11 ins.; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes

Water struck at depths, below well-top, of (feet) 45 ft.

TEST DETAILS Month May Year 1918 — Rest-level of water 38 ft. above / below well-top. Suction at ft. Yield on hours' / days' pumping gallons per (max. capacity of pump g.p.h.), with depression of feet. Recovery to in mins. / hours.

WORKING CONDITIONS
- Rest-level of water in (month), (year), ft. above / below well-top.
- Highest " in (month), (year), ft. above / below "
- Lowest " in (month), (year), ft. above / below "
- Suction at ft. Rate of pumping galls. per for hours per day.
- with average depression of ft. Recovery to in mins. / hours

Quality of water (*attach copy of analysis if available*)

Well made by J.T. BARNEs & son, Date of well Apr-May 1918

Information from SLEAFORD-do

ADDITIONAL NOTES.

"Supply not known, but a lot of water"
Aerodrome marked on 1" pop 47.

(a) No1 Bore. RWL 38' b.s
yield 2,480 gph.
OD. C99

Rm 1949

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked on 1" Map.	(use symbol) on 6" Map.
		116		△	⊙

British Geological Survey

(17206) Wt.42201/0377 10,000 2/41 A.& E.W.Ltd. Gp.686

British Geological Survey

Version 2.0.6.6

BGS ID: 469074 : BGS Reference: TF05NW7/A
British National Grid (27700) : 504886,356649
Report an issue with this borehole

A2 (For Survey use only) GEOLOGICAL CLASSIFICATION	NATURE OF STRATA If measurements start below ground surface, state how far...	THICKNESS Feet	THICKNESS Inches	DEPTH Feet	DEPTH Inches	TF05 18/A 4/5
Lines. lst.	Limestone	91	-	91	-	54A

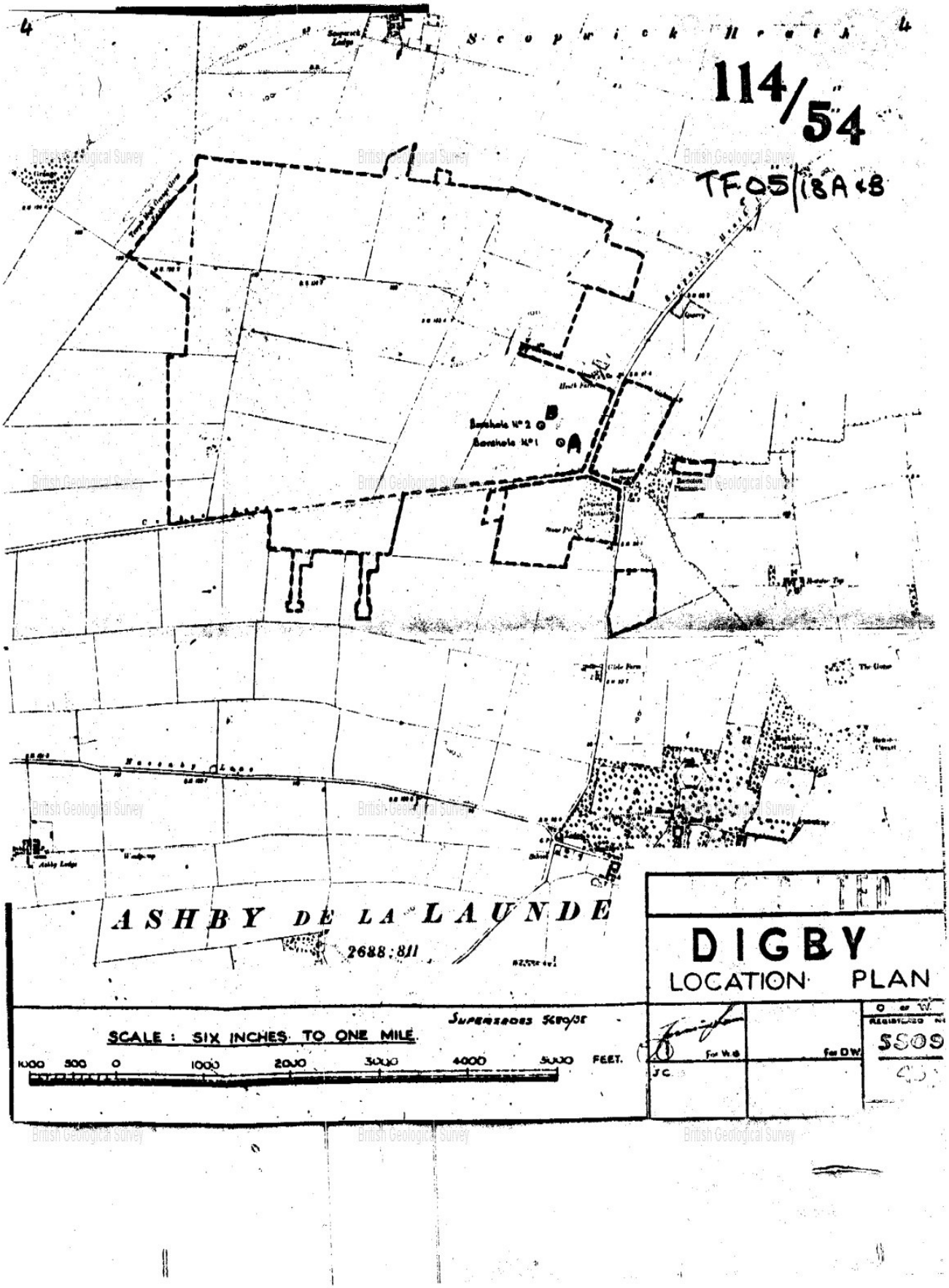
RJB
16/12/75


British Geological Survey
British Geological Survey
British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469074 : BGS Reference: TF05NW7/A
British National Grid (27700) : 504886,356649
Report an issue with this borehole

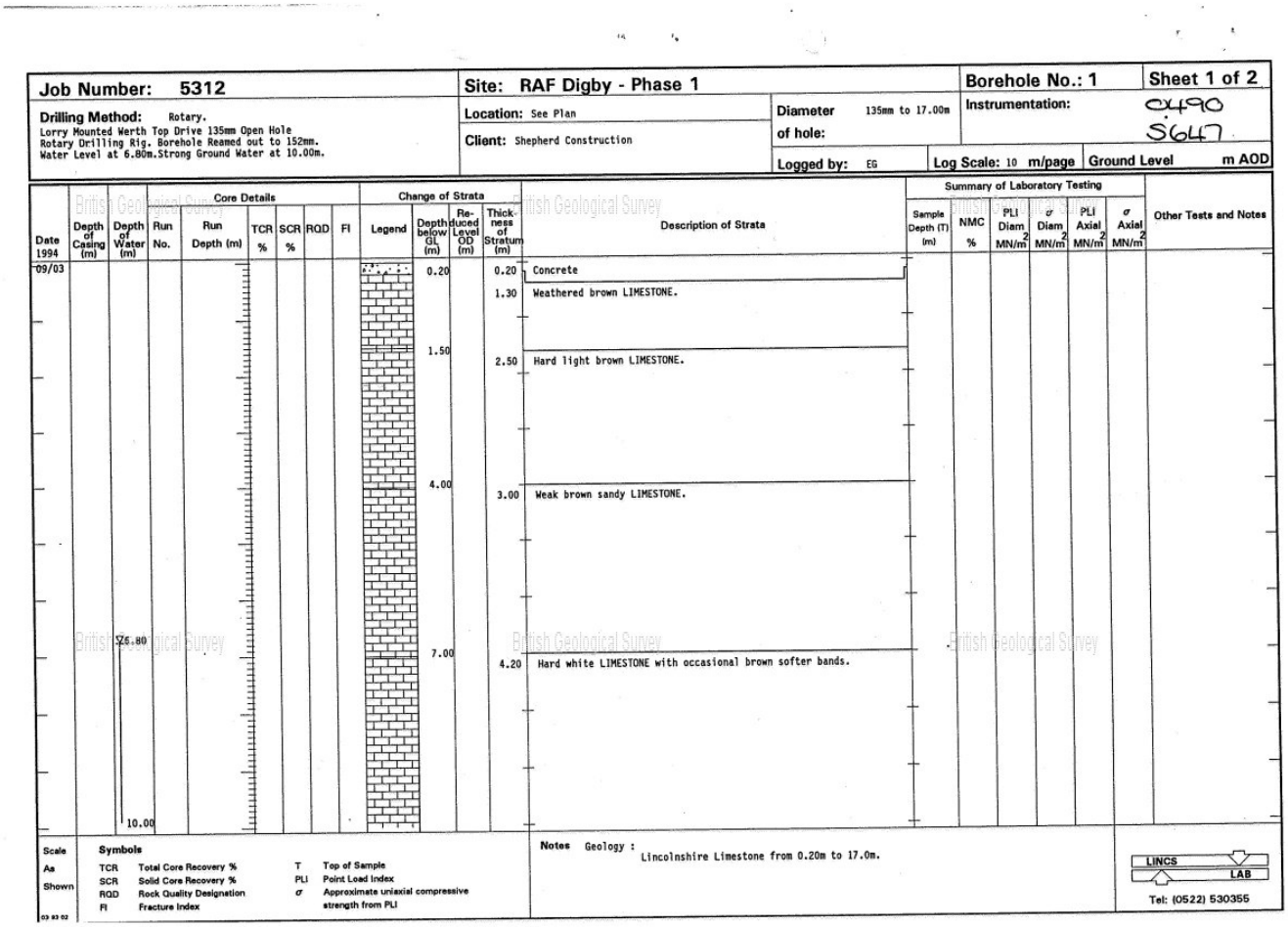


British Geological Survey

Version 2.0.6.6

BGS ID: 15611372 : BGS Reference: TF05NW44
British National Grid (27700) : 504900,356470

Report an issue with this borehole



Job Number: 5312 | **Site:** RAF Digby - Phase 1 | **Borehole No.:** 1 | **Sheet 1 of 2**

Drilling Method: Rotary.
Lorry Mounted Werth Top Drive 135mm Open Hole Rotary Drilling Rig. Borehole Reamed out to 152mm. Water Level at 6.80m.Strong Ground Water at 10.00m.

Location: See Plan | **Client:** Shepherd Construction | **Diameter of hole:** 135mm to 17.00m | **Instrumentation:** CX490 S647

Logged by: EG | **Log Scale:** 10 m/page | **Ground Level** m AOD

Date 1994	Depth of Casing (m)	Depth of Water (m)	Core Details: Run No.	Run Depth (m)	TCR %	SCR %	RQD %	FI	Change of Strata: Legend	Depth below GL (m)	Reduced Level OD (m)	Thickness of Stratum (m)	Description of Strata	Summary of Laboratory Testing: Sample Depth (T) (m)	NMC %	PLI Diam σ^2 MN/m	σ Diam σ^2 MN/m	PLI Axial σ^2 MN/m	σ Axial σ^2 MN/m	Other Tests and Notes
09/03										0.20		0.20	Concrete							
												1.30	Weathered brown LIMESTONE.							
										1.50		2.50	Hard light brown LIMESTONE.							
										4.00		3.00	Weak brown sandy LIMESTONE.							
		▽6.80								7.00		4.20	Hard white LIMESTONE with occasional brown softer bands.							
		10.00																		

Scale As Shown

Symbols
TCR Total Core Recovery %
SCR Solid Core Recovery %
RQD Rock Quality Designation
FI Fracture Index
T Top of Sample
PLI Point Load Index
σ Approximate uniaxial compressive strength from PLI

Notes Geology : Lincolnshire Limestone from 0.20m to 17.0m.

LINCS LAB
Tel: (0522) 530355

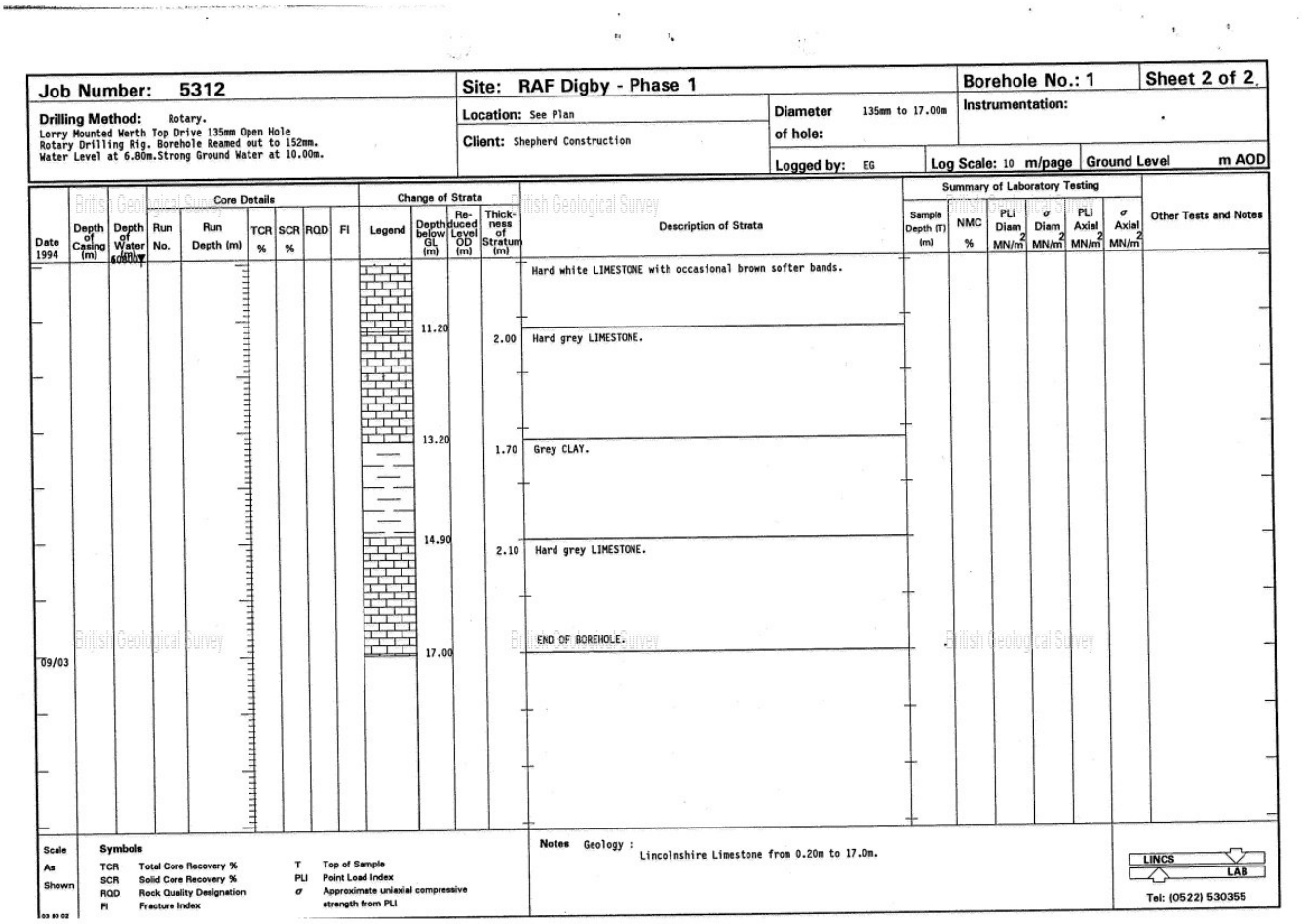
British Geological Survey

Version 2.0.6.6

BGS ID: 15611372 : BGS Reference: TF05NW44
British National Grid (27700) : 504900,356470

Report an issue with this borehole

<< < Prev Page 2 of 3 Next > >>



Job Number: 5312 | **Site:** RAF Digby - Phase 1 | **Borehole No.:** 1 | **Sheet 2 of 2**

Drilling Method: Rotary.
Lorry Mounted Werth Top Drive 135mm Open Hole Rotary Drilling Rig. Borehole Reamed out to 152mm. Water Level at 6.80m.Strong Ground Water at 10.00m.

Location: See Plan | **Client:** Shepherd Construction | **Diameter of hole:** 135mm to 17.00m | **Instrumentation:**

Logged by: EG | **Log Scale:** 10 m/page | **Ground Level** m AOD

Date 1994	Depth of Casing (m)	Depth of Water (m)	Core Details: Run No.	Run Depth (m)	TCR %	SCR %	RQD	FI	Change of Strata: Legend	Depth below GL (m)	Re-duced Level OD (m)	Thick-ness of Stratum (m)	Description of Strata	Summary of Laboratory Testing: Sample Depth (T) (m)	NMC %	PLI Diam MN/m²	σ Diam MN/m²	PLI Axial MN/m²	σ Axial MN/m²	Other Tests and Notes
													Hard white LIMESTONE with occasional brown softer bands.							
										11.20		2.00	Hard grey LIMESTONE.							
										13.20		1.70	Grey CLAY.							
										14.90		2.10	Hard grey LIMESTONE.							
09/03										17.00			END OF BOREHOLE.							

Scale As Shown

Symbols
TCR Total Core Recovery %
SCR Solid Core Recovery %
RQD Rock Quality Designation
FI Fracture Index
T Top of Sample
PLI Point Load Index
σ Approximate uniaxial compressive strength from PLI

Notes Geology : Lincolnshire Limestone from 0.20m to 17.0m.

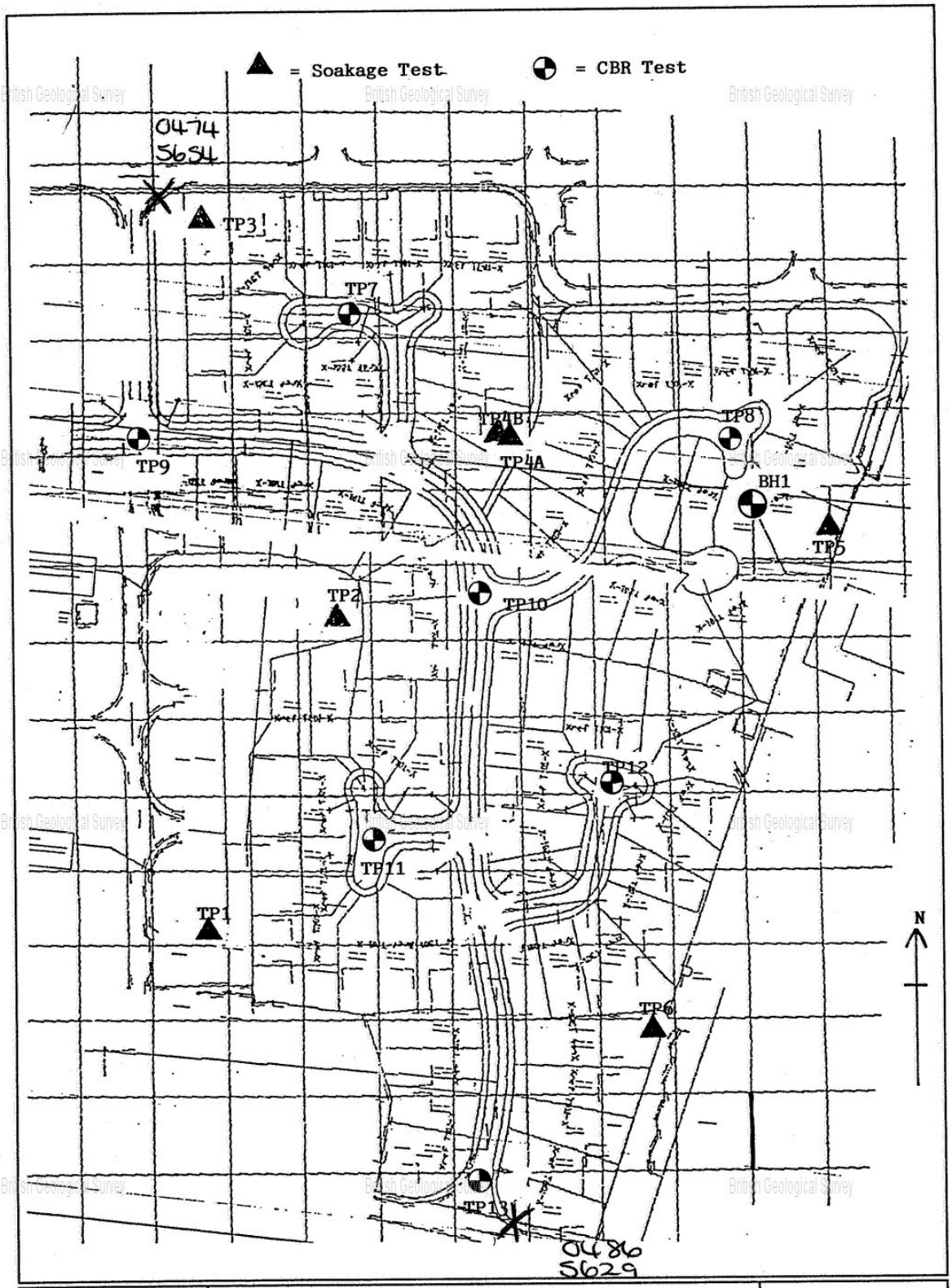
LINCS LAB
Tel: (0522) 530355

British Geological Survey

Version 2.0.6.6

BGS ID: 15611372 : BGS Reference: TF05NW44
British National Grid (27700) : 504900,356470

Report an issue with this borehole



March 1994 Dwg No 2	R.A.F. Digby - Phase 1 Trial Pit/Borehole Location Plan	LINCS LAB Telephone (0522) 530355

APPENDIX E7 BGS BOREHOLE LOGS – ZONE I

RECORD OF WELL (SHAFT OR BORE)

06225799

TF05NE/2

SCOPWICK.

Pilot borehole sunk by Messrs. Hamblett & Son for Messrs. British Crop Driers Ltd. at Scopwick, July 1943.

Ground level 60.83 O.D.

map, or a sketch map if possible. Sited on Lines 8 NW-SE.

Soil etc.	Soil & stones	0.46	1-6			
	Sand & gravel	1.07	3-6	1.52	5-0	
	Soft limestone	3.96	13-0	4.98	18-0	
	Hard limestone	3.81	12-6	9.30	30-6	
	Very hard "	0.91	3-0	10.21	33-6	
	Black clay	0.91	3-0	11.13	36-6	
	Limestone	0.61	2-0	11.73	38-6	
	Grey clay	0.61	2-0	12.34	40-6	
	Limestone grey	15.24	50-0	27.58	90-6	
	" yellow					
	"light grey					
Northampton Sands and Lower Estuarine Beds	Blue sandstone fairly hard	2.74	9-0	30.33	99-6	
? Upper Lias	Limestone	0.91	3-0	31.24	102-6	
	Black clay	3.05	10-0	34.29	112-6	

Lined with 6" tubes. SAGK RM

Most water found in this layer. LL

GRF (rel 3)

Water rest level in bore 8 feet below ground level 25.7.43.(Sunday)
Centrifugal pump test gave 5,000 galls per hour measured over V-notch.
Impossible to measure loss of head owing to suction pipe filling bore tube.
Level of subsoil water between bore tube and working tube 12 feet below ground level.

above / below well-top.
above / below "
above / below "
hours per day.
mins.
hours
hours' / days' / g.p.h.
well

Edwin A Sills M.S.E.
Engineer.
E. Kesteven R.D.C.

This bore supplies most of the water used at the British Crop Driers' Factory (see 114/123)

Inf. per No 3 Regional Engineer (Mr J Mackay) per D. Allsop 25. VI. 48
14 - 12" Cent. Barnsha submersible Pump. 36 K. V. A. motor.
8000 g.p.h. but throttled back to 7000 g.p.h.
Winter 8 hours/day. Summer 24 hours/day. Not worked continuously but makes up storage in 12,000 gallon tank
J.J. 27. VI. 48

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
				⊙	⊙

(17208) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.686

British Geological Survey

Version 2.0.6.6

BGS ID: 469005 : BGS Reference: TF05NE3
British National Grid (27700) : 506381,357874
Report an issue with this borehole

<< < Prev Page 2 of 16 Next > >>

[redacted]

TF05NE3

A description of the strata pierced should be given as follows :—

[redacted]

Other information from W.B. Marsden's 1924 printed return :—
Test level : max. 64.5', minim. 51.5' (O.D)
Pumping level : max 58', minim 48' (O.D)
Pumps : 5"x6" double rams, 3000 g.p. hr capacity, working average 3 hrs. per day.
Reservoirs [Water Tower about 1 mile N. of town] 31,000 g, 10 ft deep, top water level 135.5 ft O.D.
Yield, never fully tested, more than 150,000 gallons per day, maximum and minimum
Longest, 7,500 g., by 540 persons.

	Thickness of each stratum. Feet.	Inches.	Total depth the su[redacted] Feet.	
Vegetable Soil.	4	1.22	4	1.22
Running Quick Sands (§)	12	3.66	16	4.88
White Limestone } Lincs. Lst 100'	24	7.32	40	12.19
Blue Limestone }	40	12.19	80	24.38
Hard Blue Limestone } OD −61	36	10.97	116	35.36
Blue Clay [? U. Lias. W.B. Evans]	4	1.22	120	36.58

~~1/8" Scale Section attached~~

The Static level of water in Borehole was taken under favourable conditions. The variation in the Static level of water in the boreholes belonging to the bouncil in the North District averages 9'6". The variation in the South district is much greater having been found at Osbournby on one occasion to be 28' 10". The Quick sands shewn in Section have been cut off from borehole by means of a 4'0" diameter* C.I 1/8" thick cylinder, and there is no pollution whatever to the borehole

(* W.B.M says 5' diameter in another account)

W.B. Marsden
Engineer & Surveyor
to the R.D.C.

Feby 25th 1911

The following should also be forwarded to the Board :—

(1.) Map 6 in. to 1 mile. On this map the position of the well or boring should be shewn in red color.

(2.) Section to scale showing the size of the well or boring, strata pierced, rest level of water, and other particulars.

CLR 9/10/90

RECORD OF WELL (SHAFT OR BORE)

036456 26

TF 11 NE 4

1" N.S.

At Rowston Hill Farm

Town or Village Kirkby Laythorpe Six-inch quarter sheet SW/E

Exact site (Rowston Tg ... in 1560 ... 4 ... 4 ...) (a rough sketch-map or a tracing from a map is very desirable)

Land charge) See tracing in parish of Rowston

Level of ground surface above sea-level (O.D.) 82.47 ft. If well starts below ground surface, state how far ft.

Shaft ft., diameter ft. Bore ft. Diameter of bore: at top ins.; at bottom ins.

Details of permanent lining tubes (internal diameters preferred)

Water struck at depths of (feet)

Rest-level of water ~~below~~ above top of well 44 feet. Suction at feet. Yield on hours' days' test

gallons per (with pump of capacity g.p.h.); depressing water level to feet below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.

Quality (attach copy of analysis if available)

Sunk by T. Slack & Son. for Mr. W.H. Baldock, Surveyor, Bourne Date of well July 1926

Information from Wm. Pettifer & Son. Grimsby per A.D. Evans

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).		THICKNESS Feet.	THICKNESS Inches.	DEPTH Feet.	DEPTH Inches.
Soil, Kimm. Blisworth Clay	(4 map location). Red soil	0.46	1	6	1	6
	Yellow sandstone	1.37	4	6	6	—
	Blue clay	0.30	1	—	7	—
Great Oolite Limestone	Blue stone	1.22	4	—	11	—
	Blue clay	BWL 0.15				
	Blue stone	2.74	9			
	Yellow sandstone	0.46	1	6		
	Blue clay	0.30	1	—	25	—
Upper Estuarine Beds	Very hard blue stone	RLD 1.52	5		28	—
	Black clay	0.161				
	Blue stone	1.83	6			
	Blue clay	0.30	1	—		
L.C.	Very hard blue stone	11.89	39		74	—
	Brown sandstone	LL 1.22	4		80	—
	Hard blue stone	9.75	32	—	112	—

Comments

?BWL BGL RLD RLD

Tubed to 34.0m. and dipped out at 51 metres down.

6.71 Rock CLAY SST BGS

11.28 CLAY STONE RLD

34.14 STONE LL

GEOLOGICAL SURVEY AND MUSEUM. SOUTH KENSINGTON. LONDON, S.W.7.

For Survey use only

Date received	G.S.M. Office File No.	Site marked on 1" map (see symbol)
VIII – 5K		⊙

(*11818) Wt.29661/O.889 10,000 A.& E.W.Ltd. Gp.656

British Geological Survey

Version 2.0.6.6

BGS ID: 469063 : BGS Reference: TF05NE54
British National Grid (27700) : 506370,357820
Report an issue with this borehole

<< < Prev Page 3 of 7 Next > >>

[see 114/51 as practically the same with R.D.S. 51/B]
[delete & bottom of bore-hole [illegible] & replace bore R.D.S. [illegible]]

Min. [illegible] I/206 114 114/69.

To be furnished in Triplicate.
Transferred under S1:1961:2349 to Kesteven Water Board

WELLS AND BOREHOLES

51A

51B

Information to be supplied to the Ministry of Health

TF05/13B

Name of District EAST KESTEVEN RURAL DISTRICT

If the District is a Rural District, name of Contributory Place concerned Scopwick, Digby, Rowston, etc..

Level of surface of ground above O.D. 55.58'

Depth and diameter of shaft or boring, or of each 15" bore to 42' 5" (lined for 42' down) 8" bore to 100'

Depth or depths at which water was found 4.58' O.D. and -32.42' O.D.
51' dipt. 88' dipt.

Yield of water in gallons per diem, as ascertained by continuous pumping during ---------- days or otherwise overflowed 210,000 gallons.
3750 g.p.h.

Water rose to ground level & was allowed to run for two weeks, then gauged & found to be 210,000 gallons per day. (An elec. motor driven pump is to be installed - capacity 3000 gallons per hour.) See Report.

Level of water (above O.D.) at commencement of pumping ---

Level of water (above O.D.) at cessation of pumping ---

Time taken for water to return to original rest level after pumping ceased ---

A tabulated Statement should be sent showing the quantity of water pumped in each 24 hours during the duration of the test together with the level of the water (above O.D.) at the end of each day. If there should be any stoppage, the reason and duration should be stated. ---

As not above

Distances of the well or borehole from any other known wells or boreholes in the neighbourhood 7 feet.

Quality. (Copies of chemical and bacteriological analyses should be annexed. Information as to the mineral constituents of the water is desirable) Copy Attached.

A 6" to the mile Ordnance map showing (in red) the precise situation of the well or borehole Attached.

Scopwick Parish; 130x SW of road-fork at W. of village. Must be near 114/51 [illegible]

Date of completion of well or borehole June 16th, 1937.

Well or borehole sunk by Messrs. Wm. Stone & Co., Eye, Suffolk.
(Family Oil Boring Wks., Lincoln)

Signed Edwin H. Tiles

Date 12th July, 1937.

Normally the pumping test should be continuous over a period of 14 days. This form should be signed by the Engineer for the proposed works.

P.T.O.

British Geological Survey

K.20 a

B.P.M. 61780-2-1000-AF

British Geological Survey

Version 2.0.6.6

BGS ID: 469007 : BGS Reference: TF05NE5
British National Grid (27700) : 506848,356681

Report an issue with this borehole

169 220

RECORD OF WELL (SHAFT OR BORE)

TF 05 NE/5

114/94

At [illegible]

Town or Village ~~[illegible]~~ Nowston

County Lincs Six-inch quarter sheet 87 SW/E

For Mr.

Exact site of well — Attach a tracing from a map, or a sketch-map, if possible.

Level of ground surface above sea-level (O.D.) 78 feet.

Is well-top at ground level? If not, state how far above / below; feet.

Shaft ft., diameter ft. Details of headings

Bore ft.; diameter of bore: at top ins.; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes [illegible] [Le40]

Water struck at depths, below well-top, of (feet)

TEST D above Suction at ft. Yield on hours' / days'

Month . g.p.h.),

Year 11.0 [illegible] 11.28 [illegible] 11.09 [illegible]

ts. irs.

ft. above / below well-top.

ft. above / below "

WORI ft. above / below "

COND hours per day.

mins. / hours

Quality of water (attach copy)

Well made by J. T. BARNES & SON, Date of well

Information from SLEAFORD-

do

ADDITIONAL NOTES.

Visited. Sited on Lincs 87SW-E.
Farmer: J. Bamber.
Supplies farm. Plentiful supply.
Was tested to 400 gph when sunk.
OD. C 78.

47.51 Rm.

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (use symbol) on 1" Map.	on 6" Map.
		114		⊙	⊙

(17208) Wt.42901/0377 10,000 2/41 A.& E.W.Ltd. Gp.686

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469007 : BGS Reference: TF05NE5
British National Grid (27700) : 506848,356681

Report an issue with this borehole

2

(For Survey use only)
GEOLOGICAL CLASSIFICATION

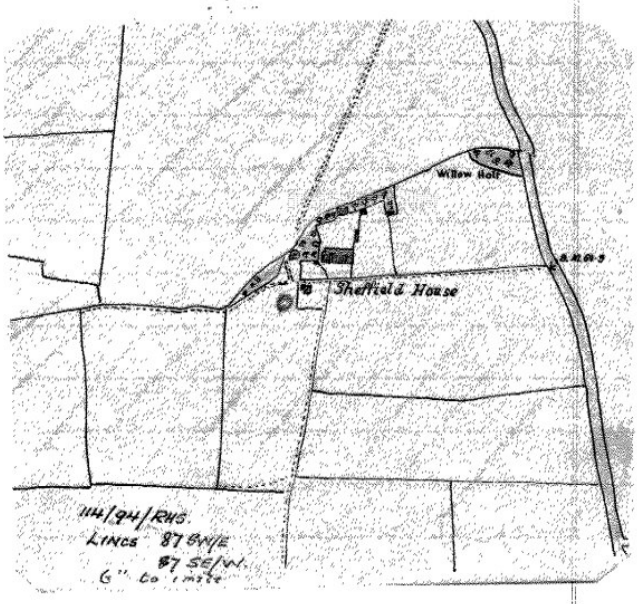
NATURE OF STRATA 170

If measurements start below ground surface, state how far... ...

THICKNESS Feet	Inches	DEPTH Feet	Inches
		3	—
		37	0.24
		29.62 → 29.56	
		97	
		102	11.04

Soil
~~Blisworth Clay~~, Gt. Oolite Lst
and Upper Estuarine Beds
} Lincs Lst

RJB



British Geological Survey

Version 2.0.6.6

BGS ID: 469007 : BGS Reference: TF05NE5
British National Grid (27700) : 506848,356681
Report an issue with this borehole

RECORD OF WELL (SHAFT OR BORE) 220

114/94

TF05/2

At Sheffield House

Town or Village ~~Scopwick~~ Rowston

County Lincs. Six-inch quarter sheet 87 SW/E

For Mr.

Exact site of well TF05NE 0680 5669

Attach a tracing from a map, or a sketch-map, if possible.

Level of ground surface above sea-level (O.D.) C78. feet.

Is well-top at ground level? If not, state how far above / below ; feet.

Shaft ft., diameter ft. Details of headings

Bore ft.; diameter of bore: at top ins.; at bottom ins.

Lengths, diameters, perforations, etc., of lining tubes 6" tubes in to blue rock [i.e. 40]

Water struck at depths, below well-top, of (feet)

TEST DETAILS
Month
Year

Rest-level of water ft. above / below well-top. Suction at ft. Yield on hours' / days' pumping gallons per (max. capacity of pump g.p.h.), with depression of feet. Recovery to in mins. / hours.

WORKING CONDITIONS

Rest-level of water in (month), (year), ft. above / below well-top.

Highest " in (month), (year), ft. above / below "

Lowest " in (month), (year), ft. above / below "

Suction at ft. Rate of pumping galls. per for hours per day.

with average depression of ft. Recovery to in mins. / hours

Quality of water (*attach copy of analysis if available*)

Well made by J. T. BARNEs & son, Date of well Oct 1936

Information from SLEAFORD.

ADDITIONAL NOTES.

Plenty of water.

Visited. Sited on Lincs 87SW-E.
Farmer: J. Bamber.
Supplies farm. Plentiful supply.
Was tested to 400 gph when sunk.
OD. C78.

4.7.51 RM.

Windpump on 1" popular 1963. & 6" grid sheet.

LOG OF STRATA OVERLEAF.

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON,
LONDON, S.W.7.

Date received.	G.S.M. Office File No.	1" N.S. Map No.	1" O.S. Map No.	Site marked (see symbol) on 1" Map.	on 6" Map.
		114		⊙	⊙

British Geological Survey British Geological Survey British Geological Survey

(17998) Wt.42901/0877 10,000 2/41 A.& E.W.Ltd. Gp.686

British Geological Survey

Version 2.0.6.6

BGS ID: 469007 : BGS Reference: TF05NE5
British National Grid (27700) : 506848,356681

Report an issue with this borehole

(For Survey use only)
GEOLOGICAL CLASSIFICATION

NATURE OF STRATA
If measurements start below ground surface, state how far... ...

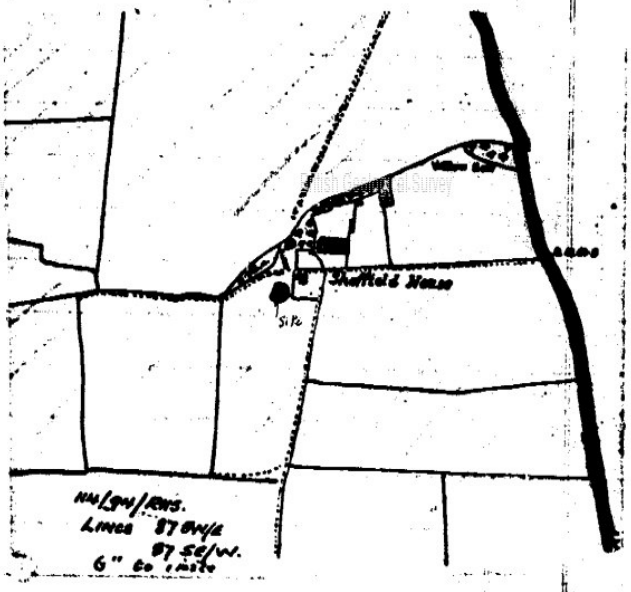
THICKNESS Feet	inches	DEPTH Feet	inches
...	...		

TF05/2 4/14/94

Gt. Oolite Lst & U. Estuarine	Soil - gravel Soil	3		3	—
	Clay & stone Gt. Oolite Lst & Upper Estuarine Beds	34		37	—
Lincs Lst.	Blue rock } Lincs. Lst.	60		97	—
[illegible]	Limestone }	5		102	—

RJB.
16/12/75





British Geological Survey

Version 2.0.6.6

BGS ID: 469007 : BGS Reference: TF05NE5
British National Grid (27700) : 506848,356681
Report an issue with this borehole

<< < Prev Page 5 of 5 Next > >>

WATER RESOURCES BOARD (Geology Division)

Reference Number G.S.M. 114/94 ..... TF05/2 .....

Chemical analysis of water sample (to be copied in the same units as original document)

Source of sample ..... SHEFFIELD HOUSE .....
N.G.R. ..... Date Collected ..... 15/11/68 .....
Aquifer ..... LINCOLNSHIRE LIMESTONE .....
Analyst ..... F.A.LYNE ..... Analyst's ref.no. ..... 69 .....

Appearance .....
E. cond. at 20°C ..... Turbidity (silica scale) .....
Reaction pH ..... 7.7 ... Colour (hazen) .....
S.G. at ..... Odour .....
Temperature .....°C / .....°F Taste .....

Constituents (the units of the original analysis to be indicated, if not mg/l)

	Units:	mg/l		Units:	mg/l
T.D.S. (dried at 180°C)	.....	566	Nitrogen in nitrates	.....	.....
Hardness, Total*	.....	410	Nitrogen in nitrites	.....	.....
Carbonate*	.....	.....	Free ammonia	.....	.....
Non-carbonate*	.....	.....	Albuminoid ammonia	.....	.....
Alkalinity*	.....	240	Oxygen absorbed in		
Chlorine in chlorides	.....	55	4 hours at 27°C	.....	.....
Free carbon dioxide	.....	.....	Residual chlorine	.....	.....
Silica	.....	.....		.....	.....
Fluoride	.....	4.05		.....	.....
Metals	.....	.....			

* expressed as calcium carbonate

		Units:	mg/l	me/l	Percentage reacting equivalents
Calcium	(Ca)	.....	.....	.....	.....
Magnesium	(Mg)	.....	.....	.....	.....
Sodium	(Na)	.....	.....	.....	.....
Potassium	(K)	.....	.....	.....	.....
			Total		
Carbonate	(CO_3)	.....	.....	.....	.....
Bicarbonate	(HCO_3)	.....	.....	.....	.....
Sulphate	(SO_4)	.....	116.	.....	.....
Chloride	(Cl)	.....	55.	.....	.....
Nitrate	(NO_3)	.....	.....	.....	.....
			Total		

Remarks: (continue overleaf if necessary)

British Geological Survey British Geological Survey British Geological Survey

DR 44378/1/89 2m 3/66 XL

British Geological Survey

Version 2.0.6.6

BGS ID: 469024 : BGS Reference: TF05NE15
British National Grid (27700) : 507190,358530
Report an issue with this borehole

<< < Prev Page 1 of 2 Next > >>

RECORD of ~~WELL or~~ BORING (Nos. 19–29)

Survey No.
1" N.S. 114
1" O.S.

(Name of farm) Across the railway 1/4m the Lincolnshire Limestone, 9 mile S. of Lincoln.

Town, Village, &c. County Lincs Six-inch map

Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). Description of site made by G.W.D. from the (see Tracing.) tracing and is on a 1" scale. Popular Edition (Sheet of one-inch map. (Square

Surface level of ground ft. above Ordnance Datum. Well or Bore commenced at ft. below surface level of ground.

Sunk ft., diameter ft. Bored ft.; diameter of boring at top 6 in., at bottom 6 in.

Details of lining tubes (internal diameters preferred) All the bores were backfilled to take explosives (for the seismic method of geophysical survey)

Water struck at depths of (feet)

Rest-level of water below above top of well or bore ft. Pumping level ft. Time of recovery hours.

Suction at ft. depth. Yield: (i) on test galls. per, (ii) normal galls. per

Quality (attach copy of analysis if available)

Made by L. Cornah Sutcliff & Gill for M. D'Arcy Exploration Co Date of boring Nov.-Dec. 1950

Information from Mr. P.E. Kent (Anglo-Iranian Co)

(For Survey use only).

TF05 NE/14 +15

THICKNESS. DEPTH.

No. 24 + 25 Records of 1" not received. No. 24 was 64 chains W.N.W of Scopwick church, & just N. of the Navenby Road. No. 25 was 26 chains N by E of Scopwick church and 26 chains E of the Blankney road at the bend to Navenby & Lincoln.

TF05 NE/16

No. 26. Scopwick parish; on the boundary, 78 chains E.N.E of Scopwick church and about 9 chains W.S.W of "Scopwick Lodge Fm." [another near Scopwick Lodge & bore 23]. O.D. [just below 50' contour] say 49'. No water struck.

	Metres		Metres
Mould	0 5	6	60
Soil & stones	1 3	1	90·53
Limestone	5 12	6	92·06
Mottled clay	20 61	8	92·67
Clay	39 316	45	14·63
Hard sandy clay	123 66	60	18·29

"Bore is on Cornbrash escp. & just below Upper Lst"

TF05NE17 MARTIN PARISH BORE NO. 27 TF 09541 58809

TF05 NE/17

No. 27. Martin parish, on the Timberland boundary, 8 chains E of the railway and 37 chains N. by E of Scopwick Station O.D. (just below 25' contour) say 24'. Rest water-level 3 ft. down.

Top soil	1 —	1	—
Mottled clay	39 89	40	12·19
Blue sandy clay	20 610	60	18·21

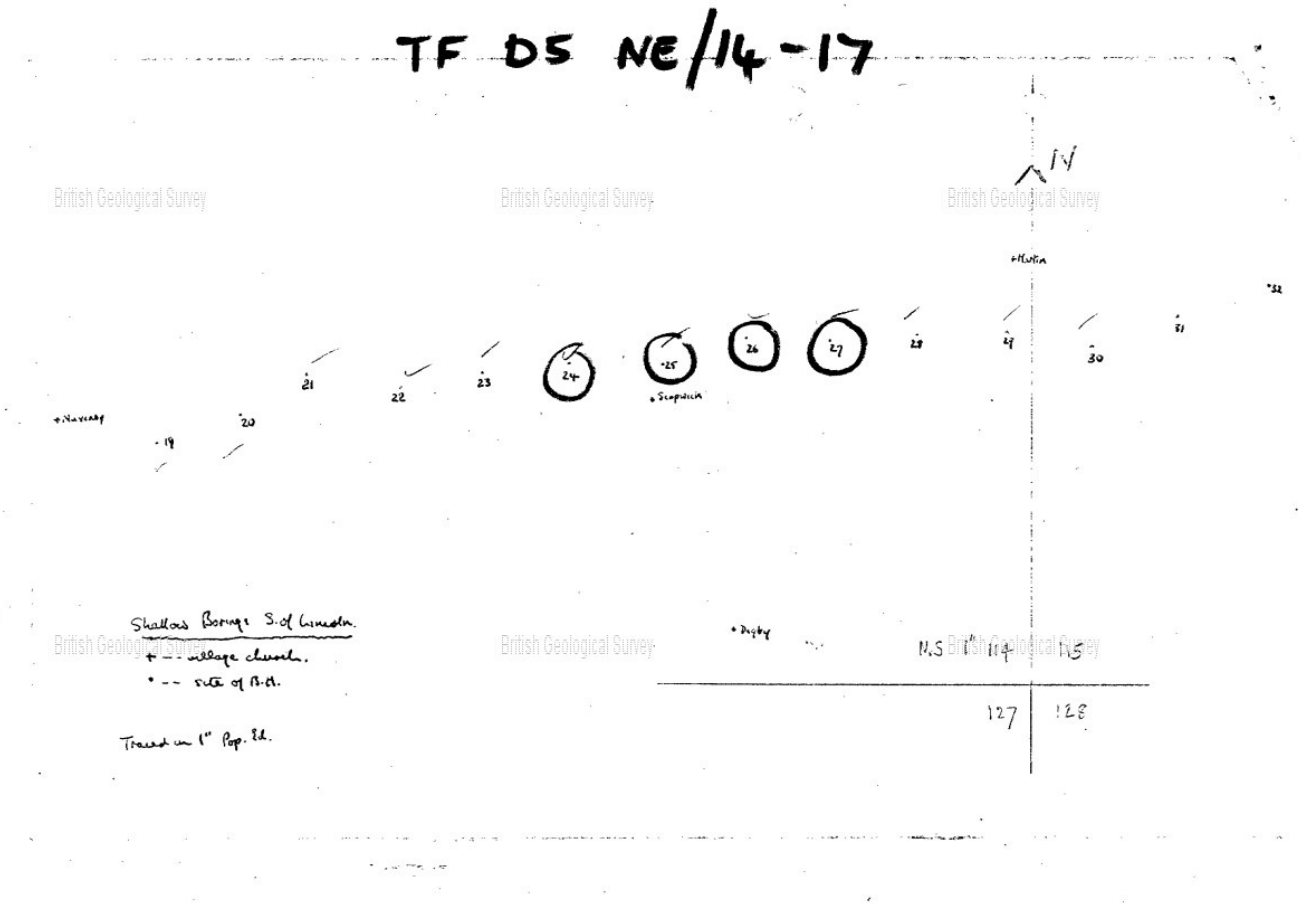
"? Kellaways under B. Clay. [If so] Chr. is here −35' [or less], but if as on + 47' O.D. in No. 26 — giving dip of 83' per 3/4 mile = 112 ft. per mile."

British Geological Survey

Version 2.0.6.6

BGS ID: 469024 : BGS Reference: TF05NE15
British National Grid (27700) : 507190,358530

Report an issue with this borehole

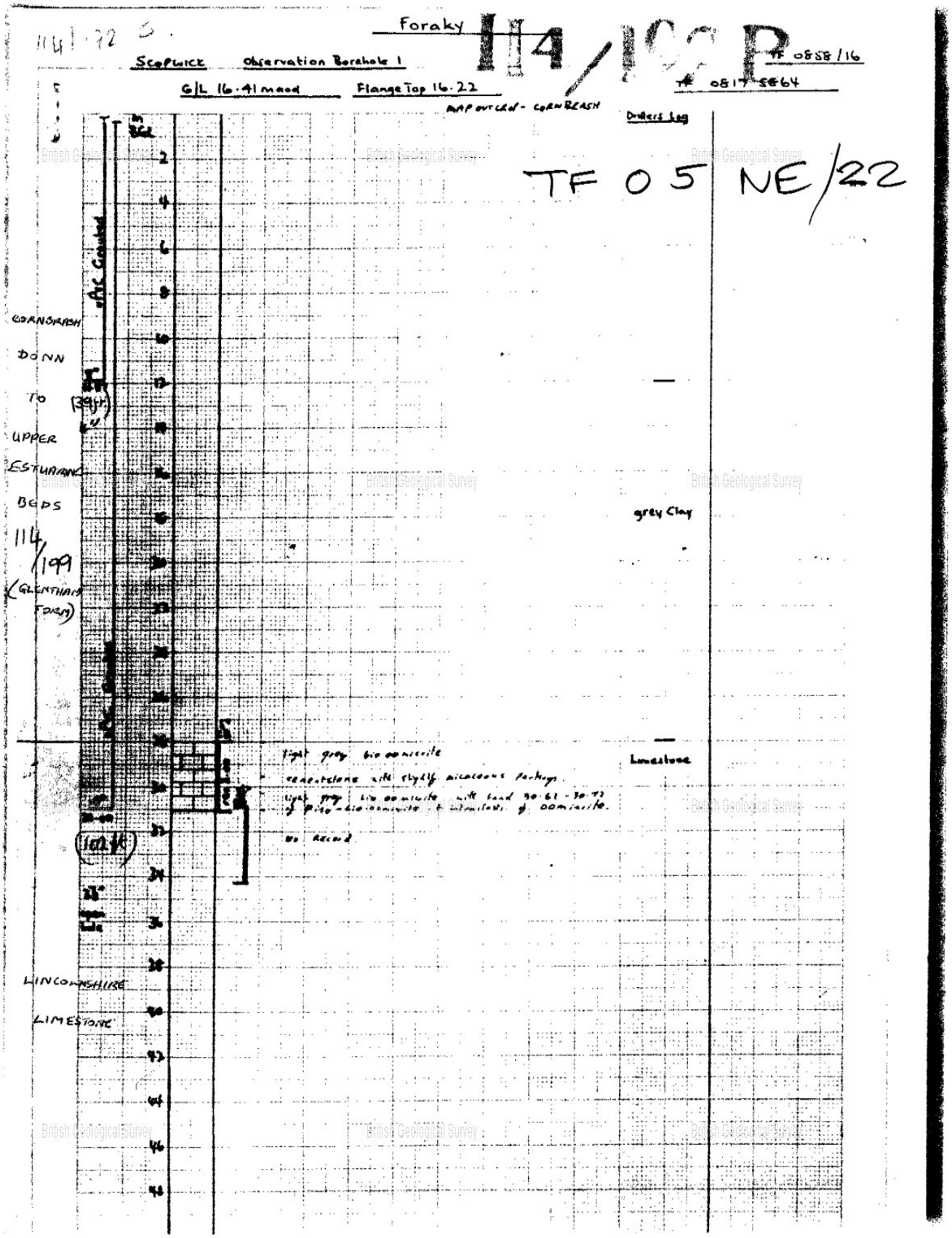


British Geological Survey

Version 2.0.6.6

BGS ID: 469031 : BGS Reference: TF05NE22
British National Grid (27700) : 508170,358640

Report an issue with this borehole



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Version 2.0.6.6

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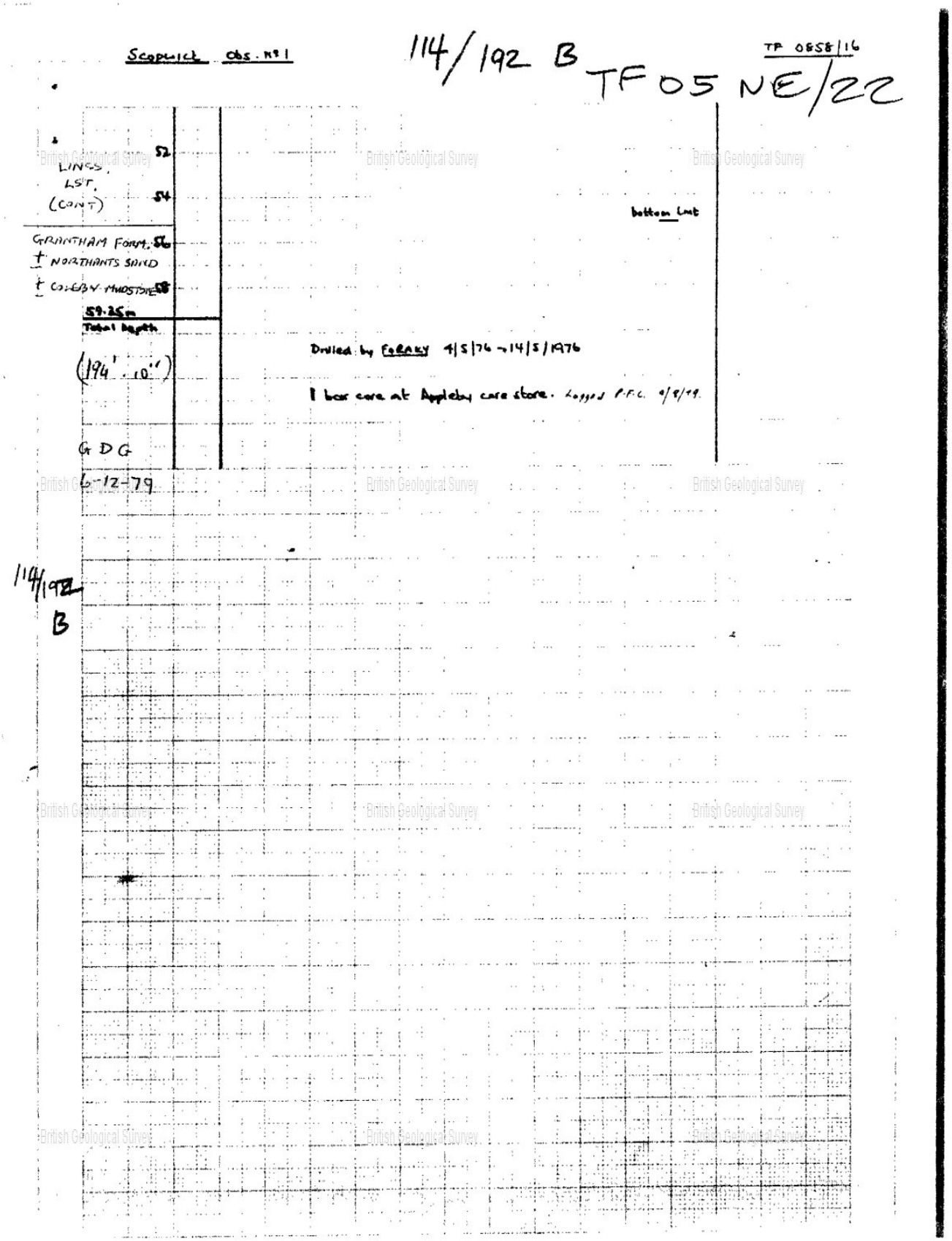
Report an issue with this borehole



British Geological Survey

Version 2.0.6.6

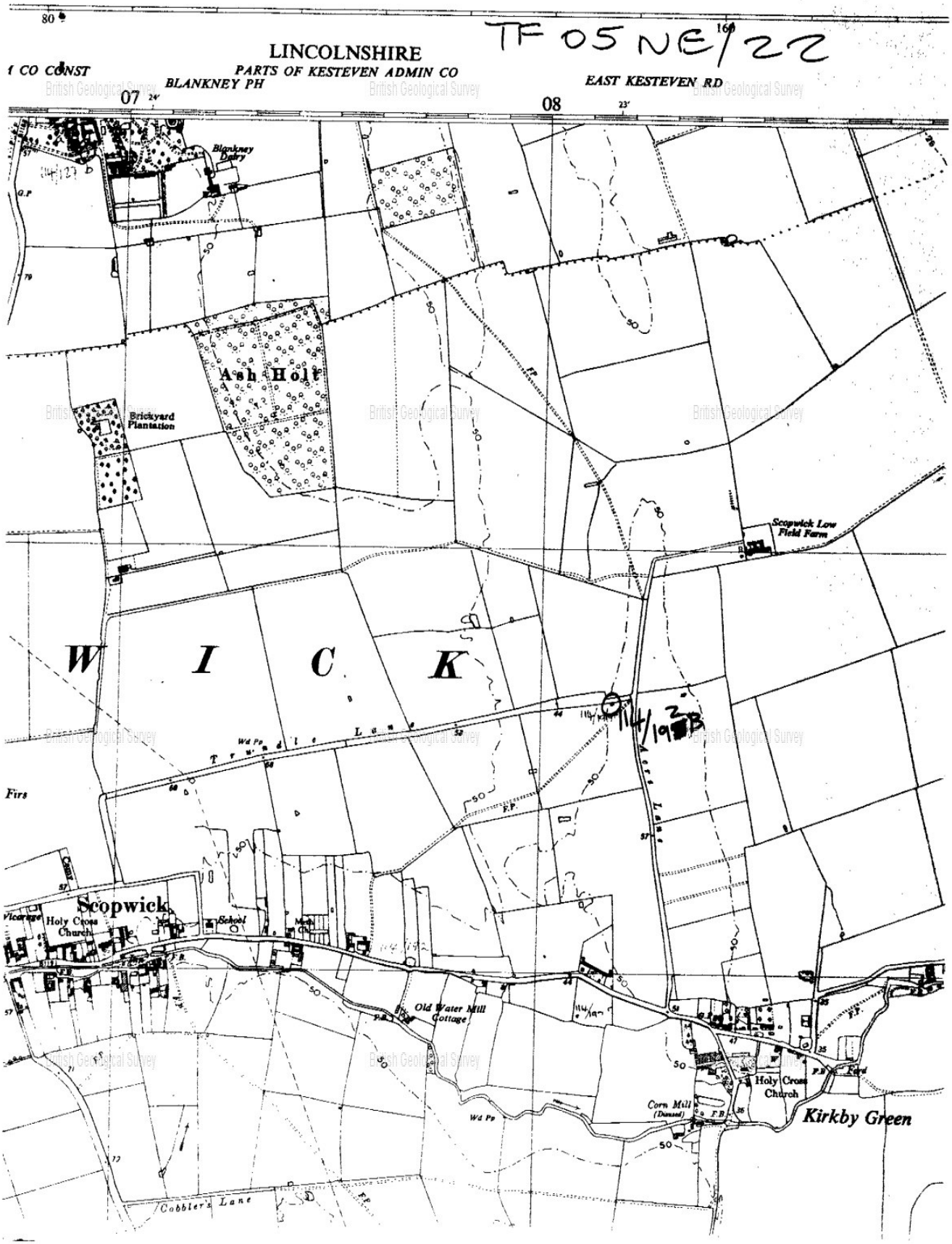
BGS ID: 469031 : BGS Reference: TF05NE22
British National Grid (27700) : 508170,358640

Report an issue with this borehole

Scale 1:10,560 or 6 Inches to 1 Mile

Provisional

TF 05 NE/22



British Geological Survey

Version 2.0.6.6

BGS ID: 469031 : BGS Reference: TF05NE22
British National Grid (27700) : 508170,358640

Report an issue with this borehole

TF05/45

TF 05 58/16

Scopwick obs. no 1

114/192 B

LINCOLNSHIRE LIMESTONE (CONT.) 52 54

bottom Unit

GRANTHAM FM + NORTHAMPTON SAND + COCKBY MUDSTONE 56 58

59.25m Total depth

(194'.10")

Drilled by FORAMY 4/5/74 - 14/5/1974

1 box core at Appleby core store. Logged P.F.C. 9/9/79

PBR. G.D.G. 5.12.79.

114/192 B

British Geological Survey

Version 2.0.6.6

BGS ID: 469031 : BGS Reference: TF05NE22
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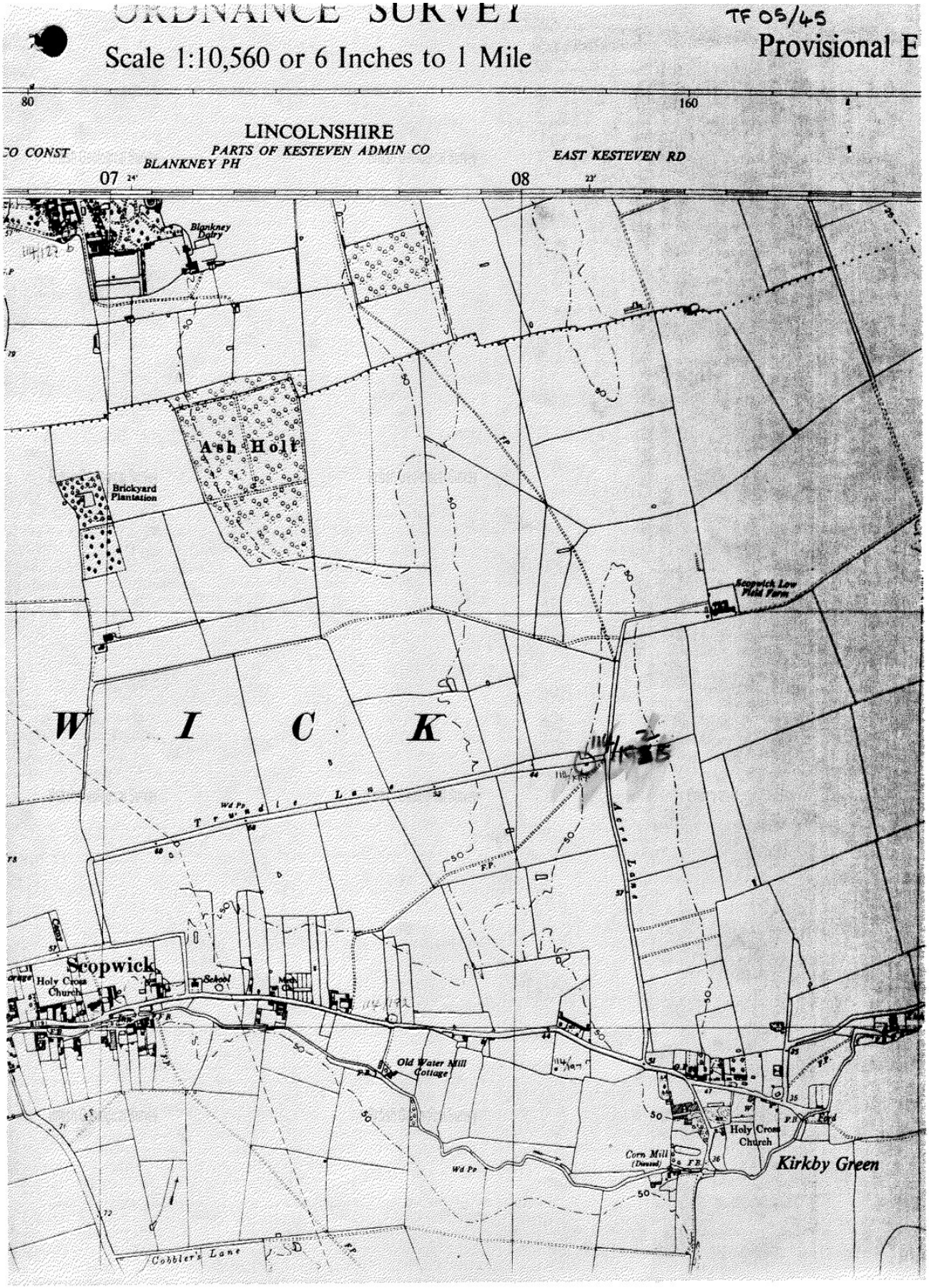

ORDNANCE SURVEY
TF 05/45
Provisional E
Scale 1:10,560 or 6 Inches to 1 Mile
80
160
LINCOLNSHIRE
PARTS OF KESTEVEN ADMIN CO
BLANKNEY PH
EAST KESTEVEN RD
07
08
Blankney Dairy
Ash Holt
Brickyard Plantation
Scopwick Low Field Farm
W I C K
Scopwick
Holy Cross Church
School
Old Water Mill Cottage
Holy Cross Church
Corn Mill (Disused)
Kirkby Green
Cobbler's Lane

APPENDIX E8 BGS BOREHOLE LOGS – ZONE J

British Geological Survey

Version 2.0.6.6

BGS ID: 469026 : BGS Reference: TF05NE17
British National Grid (27700) : 509541,358809

Report an issue with this borehole

RECORD of ~~WELL or~~ BORING (Nos. 19–29)

Survey No.
1" N.S. 114
1" O.S.

(Name of farm) Across the railway 1/4m the Lincolnshire Limestone, 9 mile S. of Lincoln.

Town, Village, &c. County Lincs Six-inch map

Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). Description of site made by G.W.D. from the (see tracing.) tracing and is on 1" scale. Popular Edition (Sheet of one-inch map. (Square

Surface level of ground ft. above Ordnance Datum. Well or Bore commenced at ft. below surface level of ground.

Sunk ft., diameter ft. Bored ft.; diameter of boring at top 6 in., at bottom 6 in.

Details of lining tubes (internal diameters preferred) All the bores were backfilled to take explosives (for the seismic method of geophysical survey)

Water struck at depths of (feet)

Rest-level of water below above top of well or bore ft. Pumping level ft. Time of recovery hours.

Suction at ft. depth. Yield: (i) on test galls. per, (ii) normal galls. per

Quality (attach copy of analysis if available)

Made by L. Cornah Sutcliff & Gill for Mr. D'Arcy Exploration Co Date of boring Nov.-Dec. 1950

Information from Mr. P.E. Kent (Anglo-Iranian Co)

(For Survey use only).

TF05 NE/14 +15

	THICKNESS.	DEPTH.

No. 24 + 25 Records of 1" not received. No. 24 was 64 chains W.N.W of Scopwick church, & just N. of the Navenby Road. No. 25 was 26 chains N by E of Scopwick church and 26 chains E of the Blankney road at the fork to Navenby + Lincoln.

TF05 NE/16

No. 26. Scopwick parish; on the boundary, 78 chains E.N.E of Scopwick church and about 9 chains W.S.W of "Scopwick Lodge Fm." [another near Scopwick Lodge & bore 23]. O.D. [just below 50' contour] say 49'. No water struck

	Metres		Metres
Mould	0 5	6	60
Sand & stones	1 3	1	90·53
Limestone	5 52	6	92·06
Mottled clay	20 61	8	92·67
Clay	34 96	45	14·63
Hard sandy clay	123 66	60	18·29

Comb rock

"Bore is in Combrash over Upper Lst. ? Upper Lst. is Oolitic Lst"

TF05NE17 MARTIN PARISH BORE NO. 27 TF 09541 58809

TF05 NE/17

No. 27. Martin parish, on the Timberland boundary. 8 chains E of the railway and 37 chains N. by E of bridge (or level crossing ?) at Scopwick Station O.D. (just below 25' contour) say 24'. Rest water-level 3 ft. down.

Top soil	1 —	1 —	
Mottled clay	39 89	40	12·19
Blue sandy clay	20 60	60	18·29

"? Kellaways under B. Clay. [If so] Chr. is here -35' [or less], but if as in + 47' O.D. in No. 26 — giving dip of 83' per 3/4 mile = 112 ft. per mile."

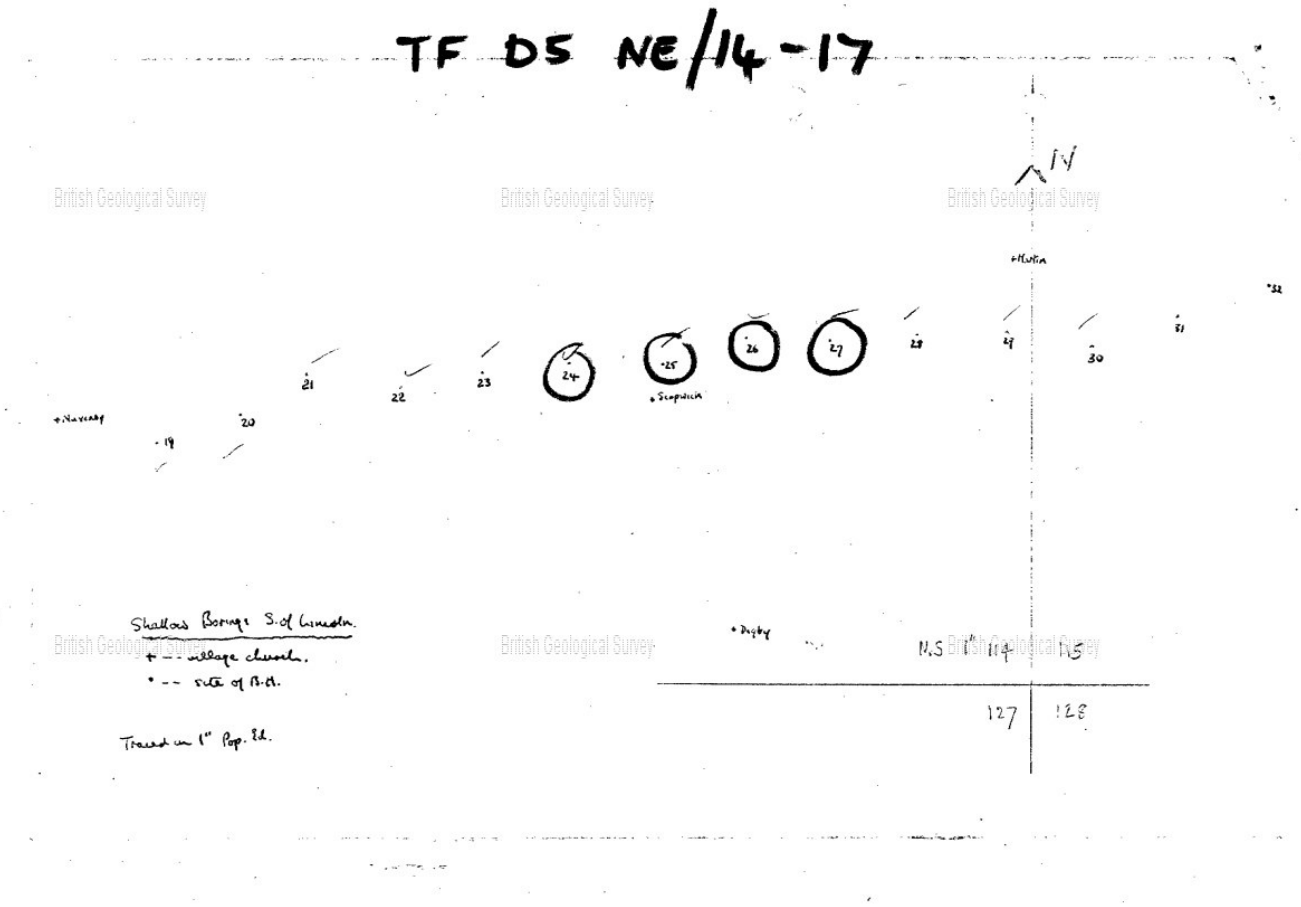
British Geological Survey

Version 2.0.6.6

BGS ID: 469026 : BGS Reference: TF05NE17
British National Grid (27700) : 509541,358809

Report an issue with this borehole

<< < Prev Page 2 of 2 Next > >>

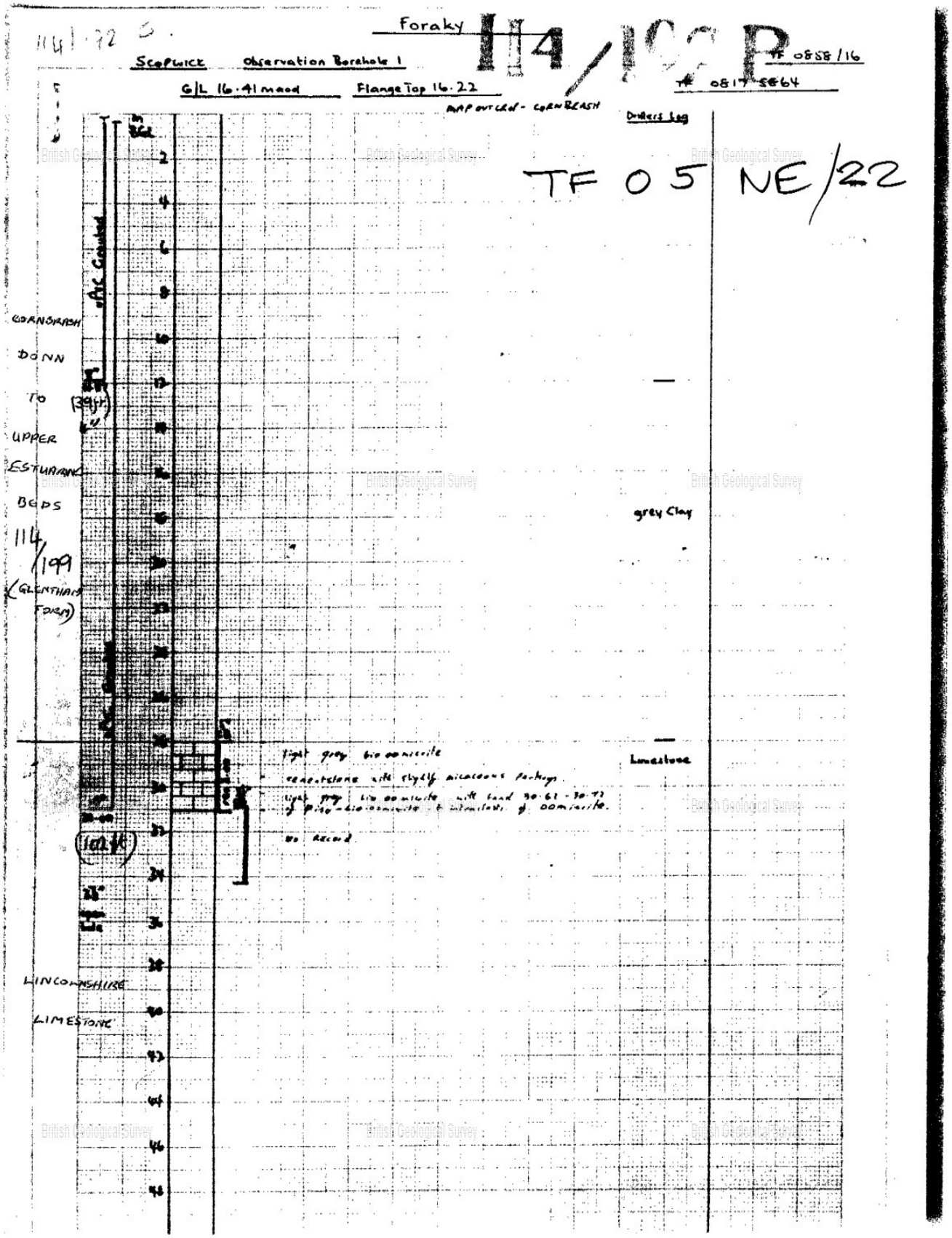


British Geological Survey

Version 2.0.6.6

BGS ID: 469031 : BGS Reference: TF05NE22
British National Grid (27700) : 508170,358640

Report an issue with this borehole



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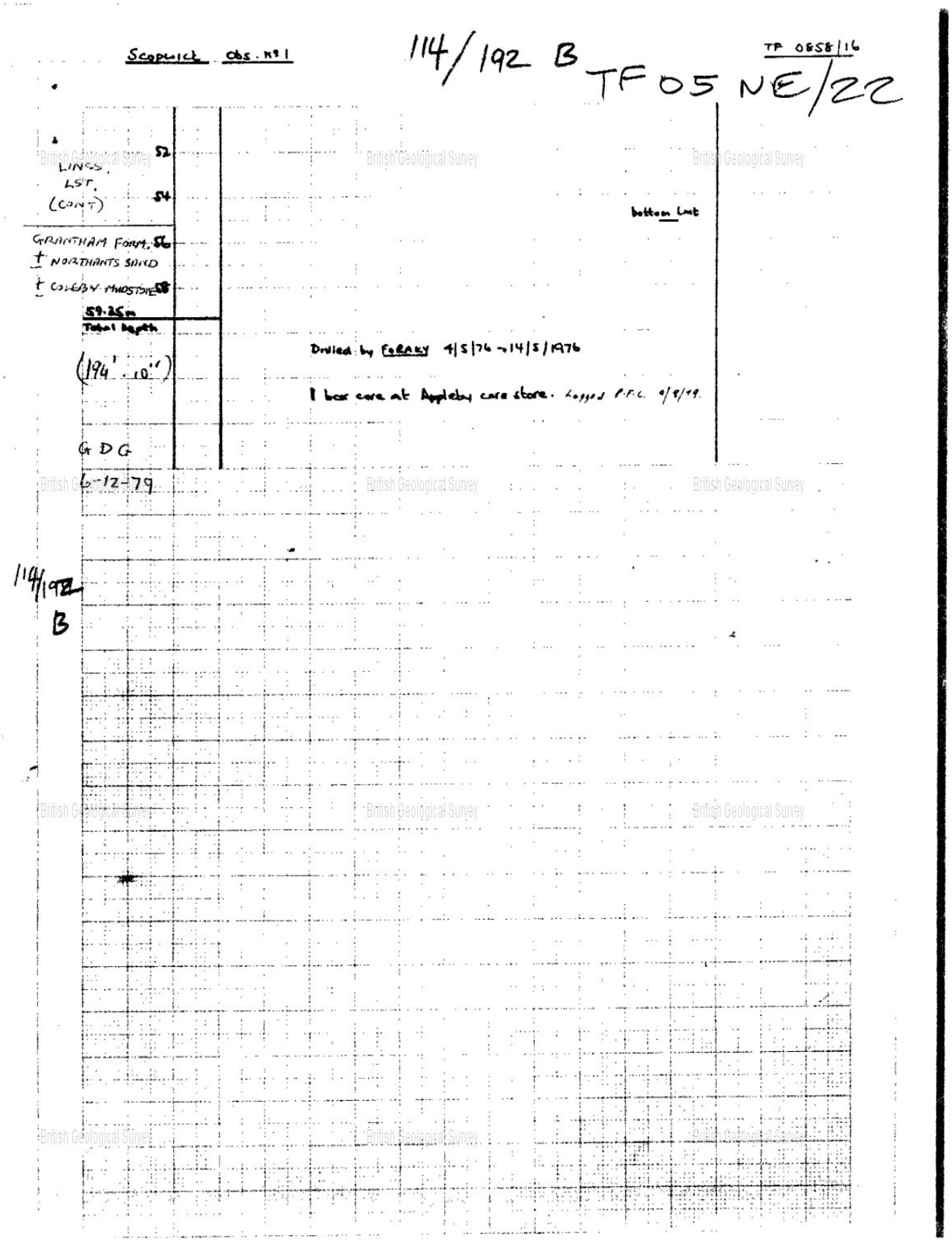


British Geological Survey

Version 2.0.6.6

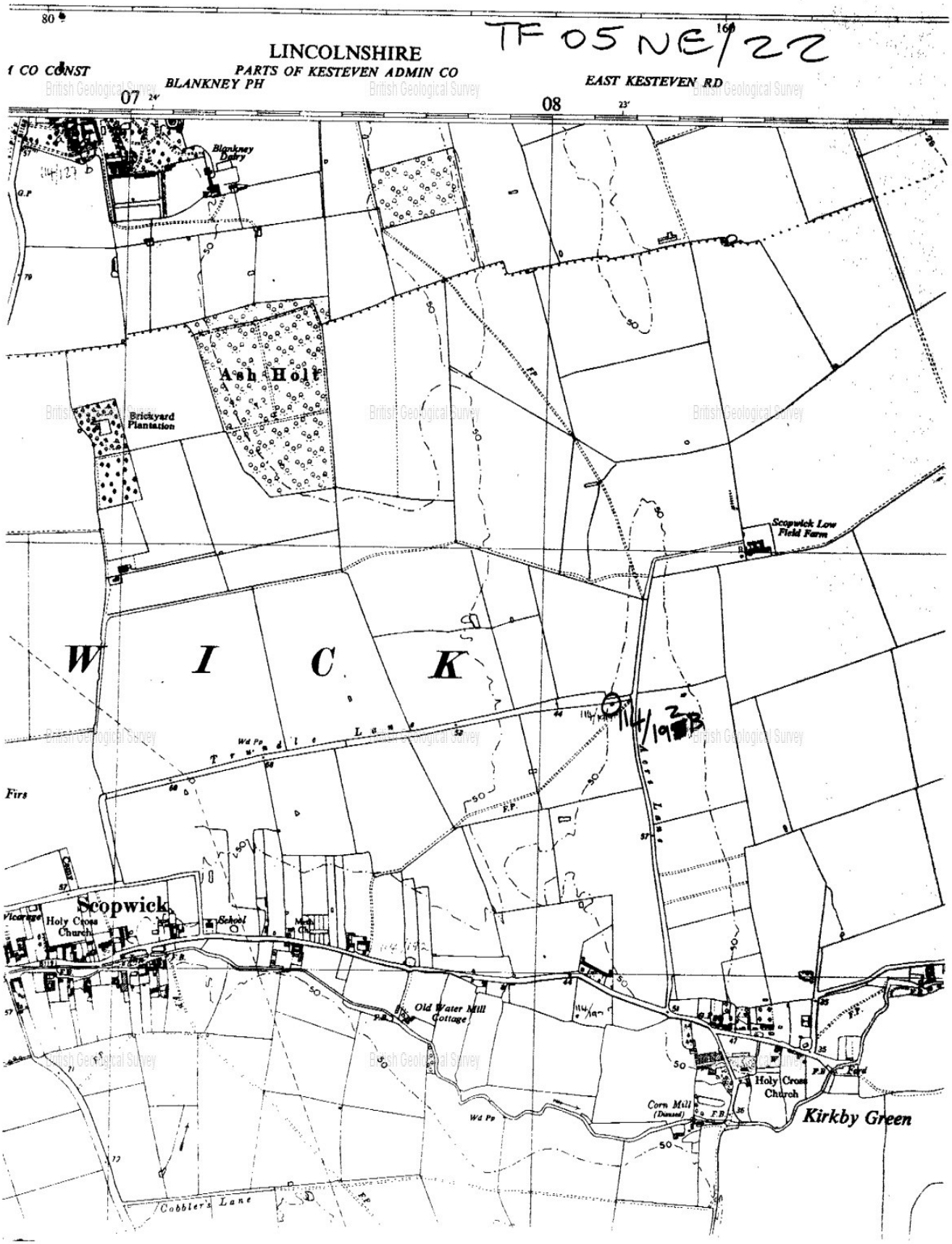
BGS ID: 469031 : BGS Reference: TF05NE22
British National Grid (27700) : 508170,358640

Report an issue with this borehole

Scale 1:10,560 or 6 Inches to 1 Mile

Provisional

TF 05 NE/22



British Geological Survey

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BGS ID: 469031 : BGS Reference: TF05NE22
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Report an issue with this borehole

TF05/45

TF 05 58/16

Scopwick obs. no 1

114/192 B

LINCOLNSHIRE LIMESTONE (CONT.) 52 54

bottom Unit

GRANTHAM FM + NORTHAMPTON SAND + COCKBY MUDSTONE 56 58

59.25m Total depth

(194'.10")

Drilled by FORAMY 4/5/74 - 14/5/1974

1 box core at Appleby core store. Logged P.F.C. 9/9/79

PBR. G.D.G. 5.12.79.

114/192 B

British Geological Survey

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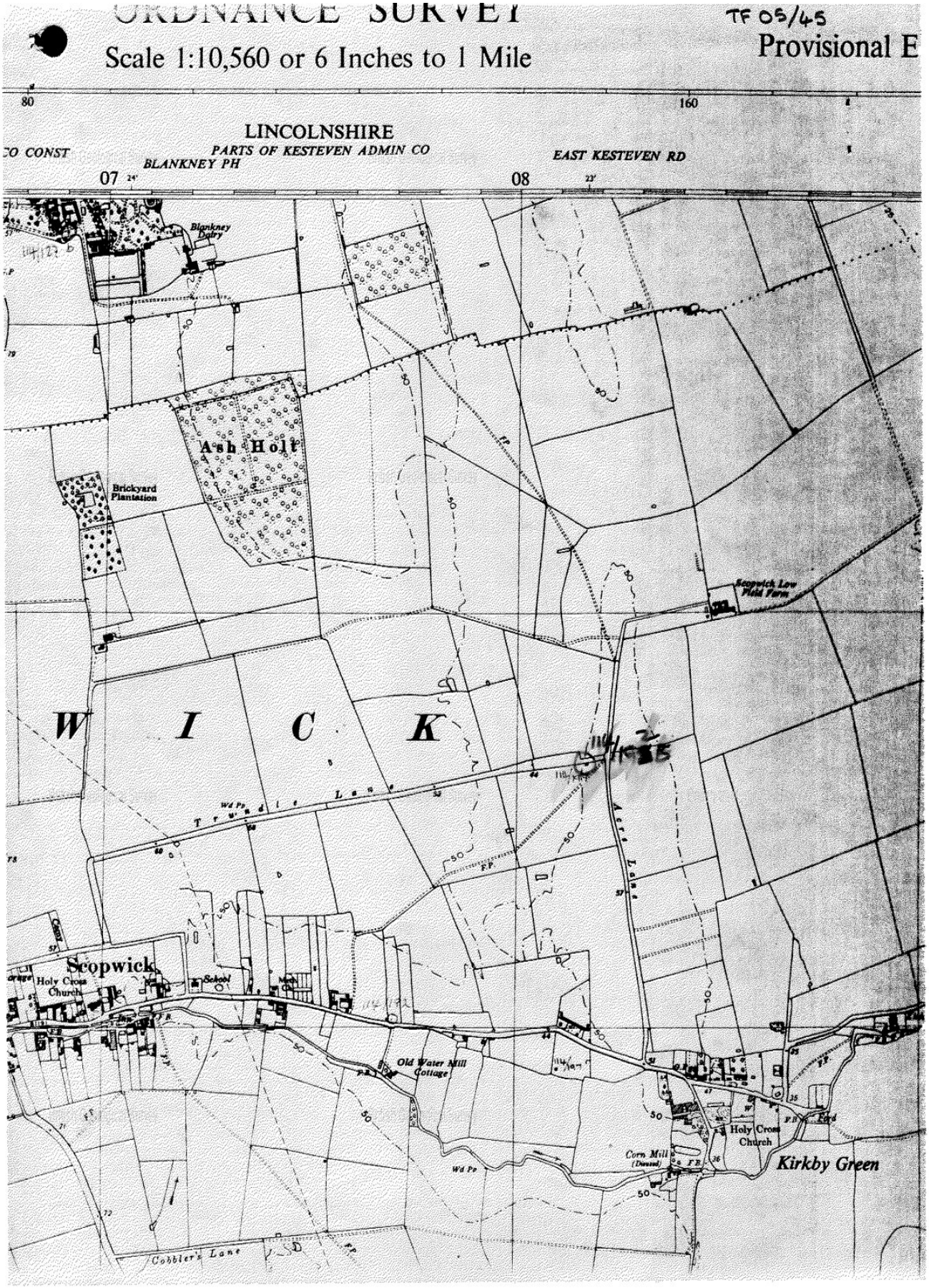

ORDNANCE SURVEY
TF 05/45
Provisional E
Scale 1:10,560 or 6 Inches to 1 Mile
80
160
LINCOLNSHIRE
PARTS OF KESTEVEN ADMIN CO
BLANKNEY PH
EAST KESTEVEN RD
07
08
Blankney Dairy
Ash Holt
Brickyard Plantation
Scopwick Low Field Farm
W I C K
Scopwick
Holy Cross Church
School
Old Water Mill Cottage
Holy Cross Church
Corn Mill (Disused)
Kirkby Green
Cobbler's Lane

British Geological Survey

Version 2.0.6.6

BGS ID: 469033 : BGS Reference: TF05NE24
British National Grid (27700) : 509196,358035

Report an issue with this borehole

TF05NE24 KIRKBY GREEN OBSERVATION BH NO.2 TF 09196 58035

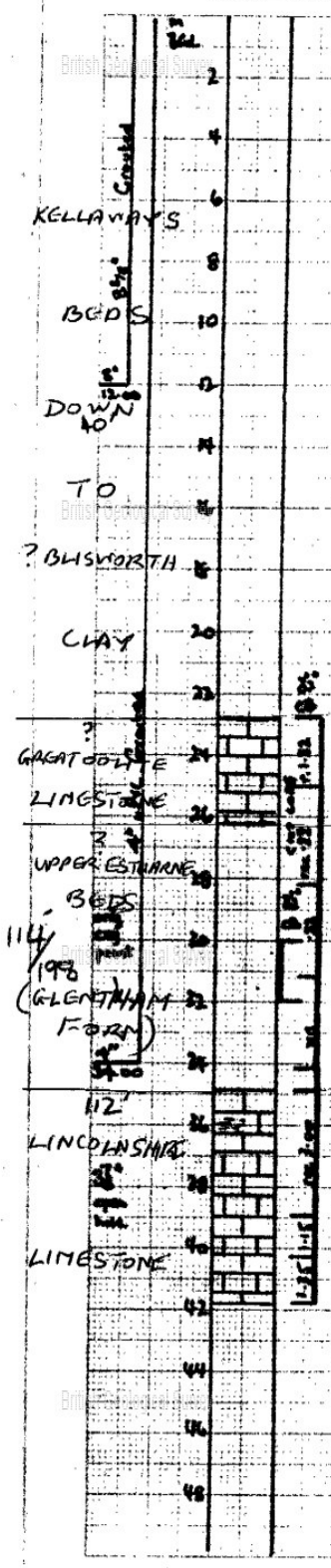
TF 05 NE/24 FORAKY

KIRKBY GREEN Observation Borehole No 2 TF 0958/20

G/L 8.41 maod FLANGETOP 8.26 maod TF 0920 58 OH.

MAP OUTCROP - KELLAWAYS

Drillers Log



KELLAWAYS

BEDS

CORNBRASH

&

BLISWORTH CLAY

KLB CB
BWC
in comments

30.0 MDFT SDFT LMFT

GREAT OOLITE LIMESTONE

Limestone with bands of Clay

MDFT BWC

22.8

creamy light porous, argillaceous v. poorly cemented lst.

argillaceous cementstone.

BWL

26.3

no record.

Limestone

RLD

no record.

34.9

light grey highly fossiliferous oolicoquinite.

dk grey oomicrite poorly cemented slightly shaley

A.A. but becoming slightly fossiliferous towards base.

A.A. well cemented with micrite [illegible] towards base.

no record.

xbedded fawn oomicrite with blue grey biomicrite shell bed.

dk grey bio-oo-micrite with drusy infill & large fossil voids. v. shaley towards base

LINCOLNSHIRE LIMESTONE

oo micrite & bio oomicrite becoming cavitous towards base.

LL

Limestone

British Geological Survey

Version 2.0.6.6

BGS ID: 469033 : BGS Reference: TF05NE24
British National Grid (27700) : 509196,358035
Report an issue with this borehole

Kirkby Green Obs. B/H 2.

114/198

TF 05 NE/24

LINCS. LST. (CONT)

? ? ?

GRANTHAM FORM.

62.25 Total Depth Initial (204ft)

NORTHANTS SAND

COREBY MUDSTONE

67.79m Total Depth (2224) 3"

52 54 56 58 60 62 64 66

LMST LC SDST GRF rel 3

light grey oomicrite occ. fossiliferous becoming
fossil towards base. 2ndry drusy infill, occ. clay bands.
A-A shell beds. mudstone towards base
fine grained light grey oomicrite & bioturbated.
light grey oomicrite. shaley in parts
consistently oomicrite.
blue grey bio-oo-micrite. occ shaley bands.
blue grey bio oomicrite occ. shell frags.
bioturbated blue grey bio oo micrite.
A-A. less bioturbated. 2ndry infill of voids.
bio-oo-micrite becoming mudstone at base
top erosion surface micrite with shaley bands
grey/black calc. silty lst with burrows at base.
light grey calc sst with occ. boriaga silty towards base.
micaceous silty lst.
calc porous white sst fossiliferous towards base. slightly ferruginous. towards base with rolled ironstone frags (rolled subrounded) at base.
buff dark green sst with chestnut brown patches

DRILLED BY FORAMY to 62.25, 4/5/1976 - 28/5/1976
5/7/1976 redrilled and reset casing to 24m, new
total depth 67.79m. 21/7/76

7 boxes cores at Appleby core store.

Limestone

LINCOLNSHIRE LIMESTONE

Bioturbated oomicrite with shaley bands.

erosion lst becoming sandy.

LOWER ESTUARINE SERIES
ferruginous green sst.

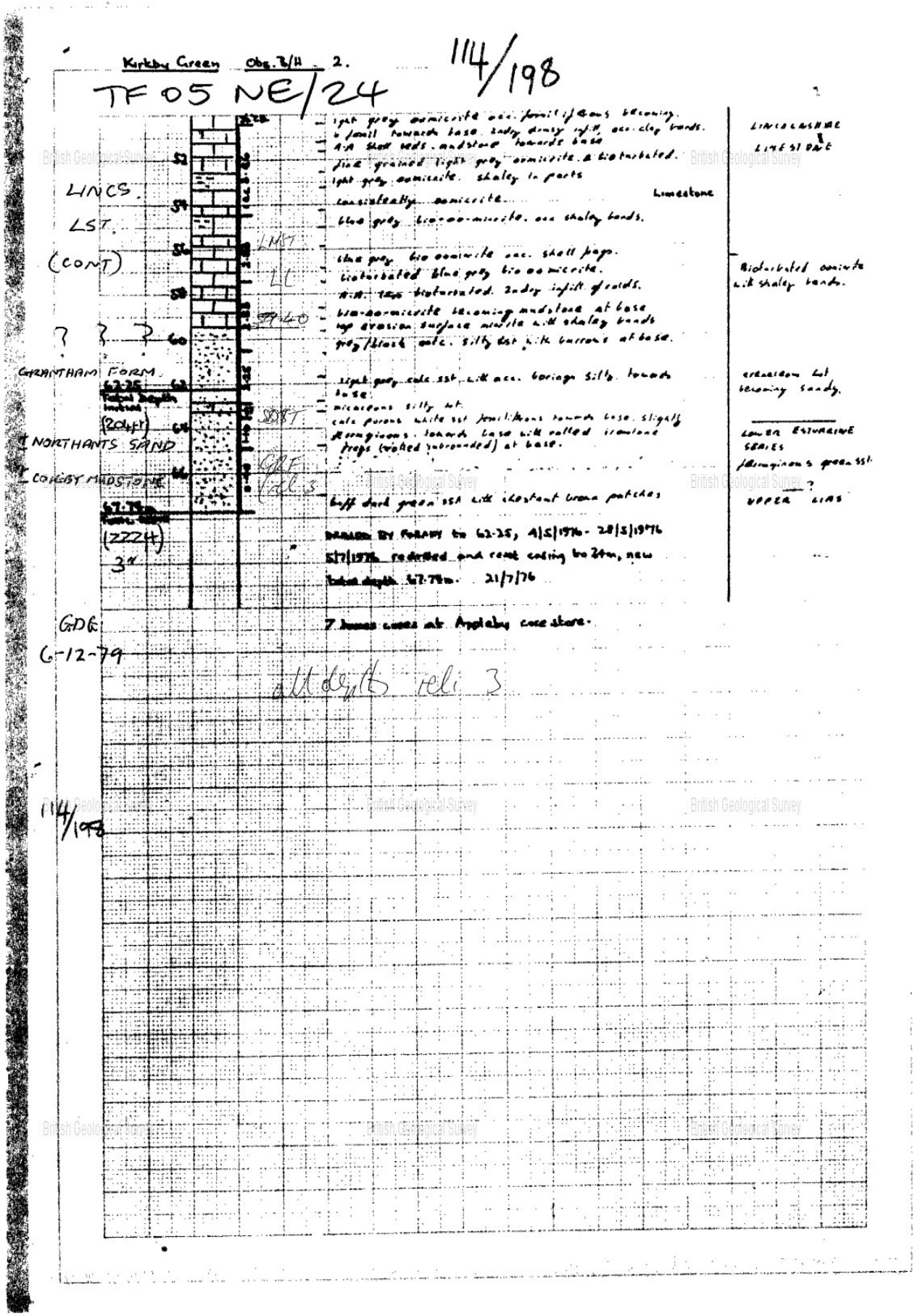
UPPER LIAS

GDG
6-12-79

all depths rel 3

114/198

British Geological Survey



British Geological Survey

Version 2.0.6.6

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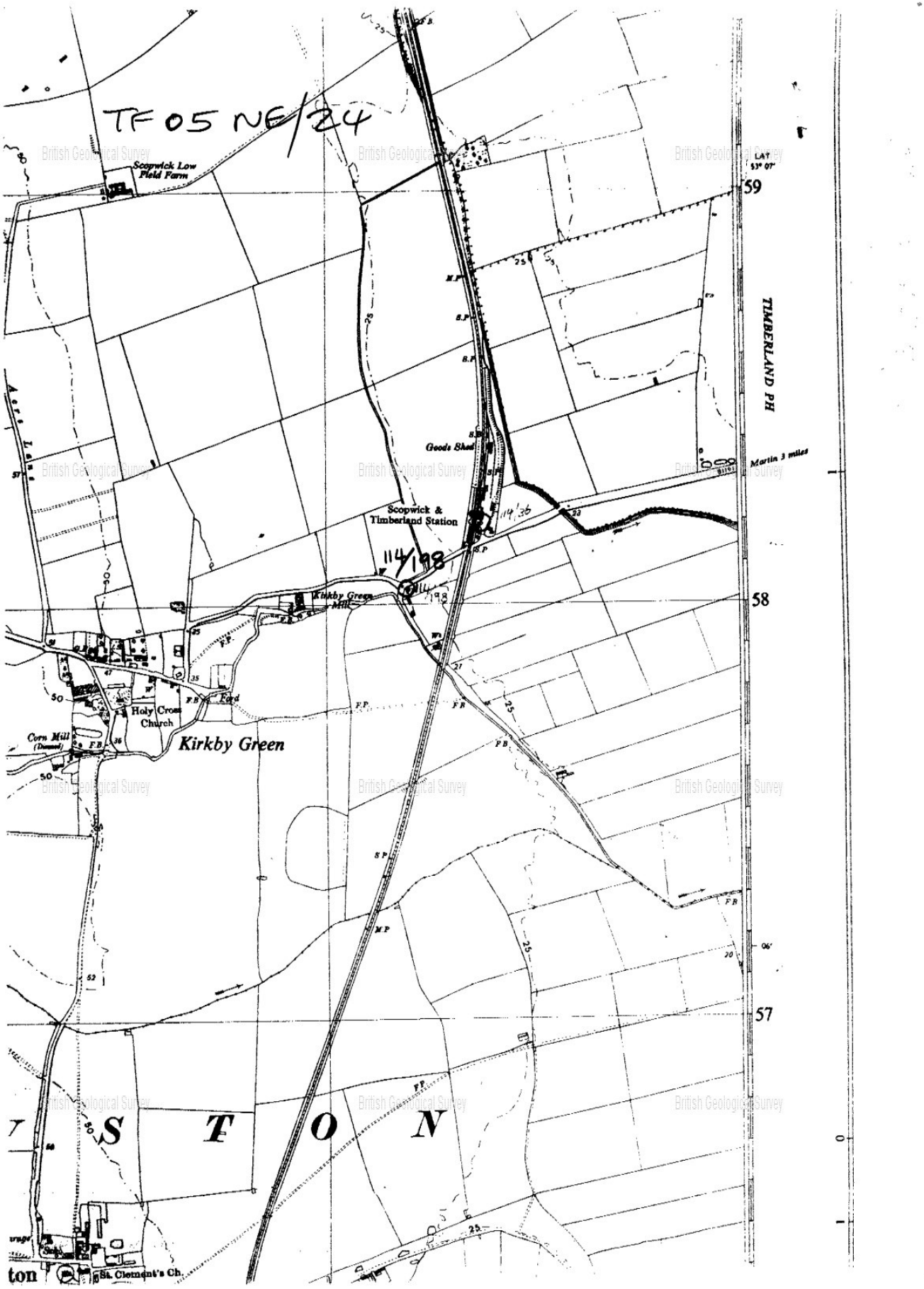
British National Grid (27700) : 509196,358035

Report an issue with this borehole


TF 05 NE/24
Scopwick Low Field Farm
Goods Shed
Scopwick & Timberland Station
114/198
Kirkby Green Mill
Holy Cross Church
Kirkby Green
Corn Mill
Ford
St. Clement's Ch.
TIMBERLAND PH
Martin 3 miles
59
58
57

British Geological Survey

Version 2.0.6.6

BGS ID: 469033 : BGS Reference: TF05NE24
British National Grid (27700) : 509196,358035

Report an issue with this borehole

FORAKY

TF05/47

KIRKBY GREEN Observation Borehole No 2 TF 0958/20

G/L 8.41 maod FLANGETOP 8.26 maod TP 0920 5804.

MAP OUTCROP - KELLAWAYS

Drillers Log

m BGL

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48

Grouted

8 3/8"

8"

12.00

40'

4" uPVC Grouted

orig csg point

4"

34.00

112'

3 7/8" open hole

CB 3 3/4"

r.1.32

cmt core

rec .22

CB .22

nil

rec 3.00

1.15

1.35

- creamy light porous, argillaceous v. poorly cemented lst.
- argillaceous cementstone.
- no record.
- no record.
- light grey highly fossiliferous oobiosparite.
- dk. grey oomicrite poorly cemented slightly shaley
- A.A but becoming slightly fossiliferous towards base.
- A.A well cemented with micrite less cmt towards base.
- no record.
- xbedded fawn oomicrite with blue grey biomicrite shell bed.
- dk grey bio-oo-micrite with drusy infill & large fossil voids. v. shelley towards base

Limestone with bands of Clay

Limestone

Cmt/PVC

Limestone

KELLAWAYS BEDS DOWN TO ? BLISWORTH CLAY

KELLAWAYS BEDS CORNBRASH & BLISWORTH CLAY

GREAT OOLITE LIMESTONE

GREAT OOLITE LIMESTONE

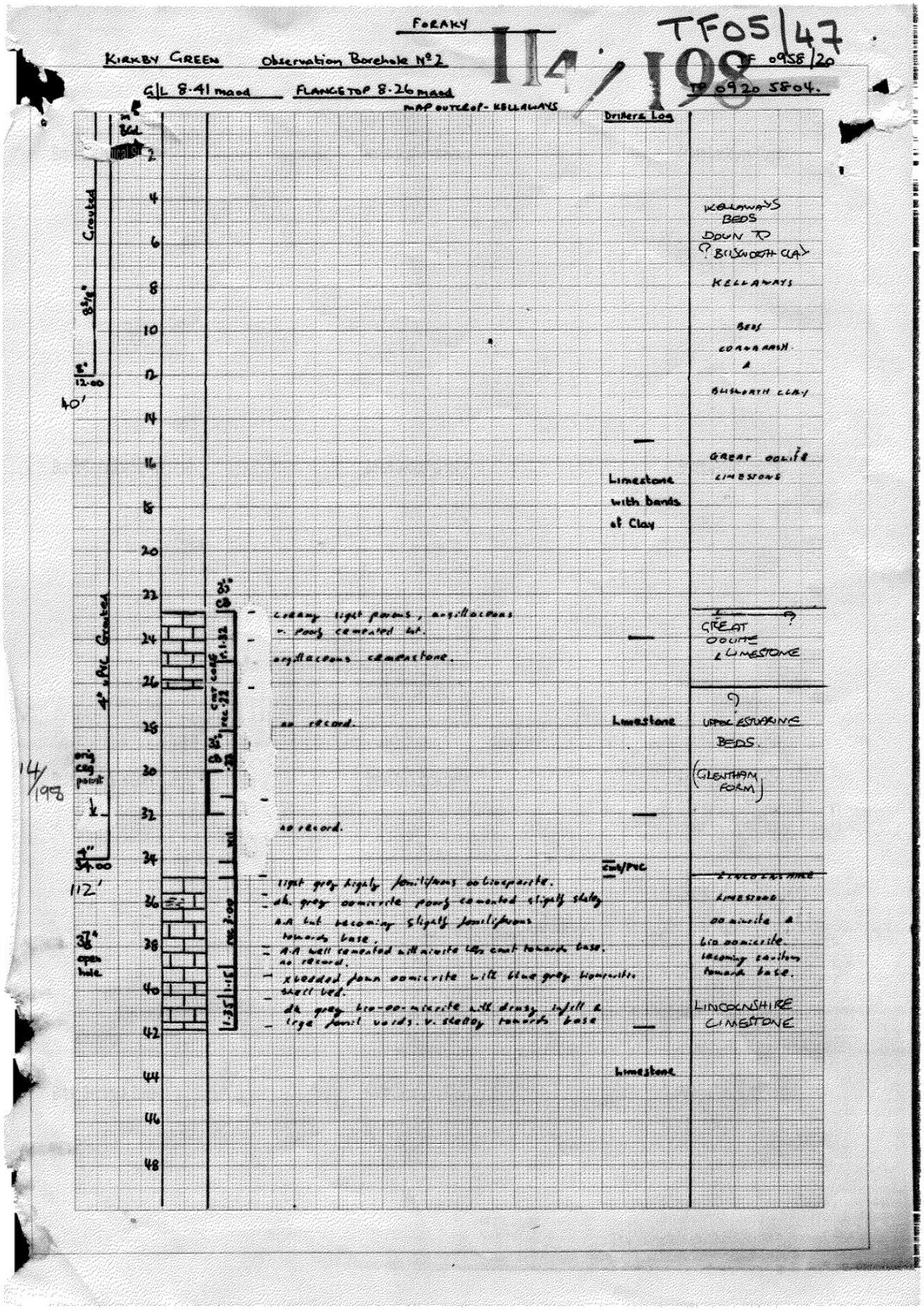
? UPPER ESTUARINE BEDS. (GLENTHAM FORM)

LINCOLNSHIRE LIMESTONE

oomicrite & bio oomicrite becoming cavitous towards base.

LINCOLNSHIRE LIMESTONE

14/198

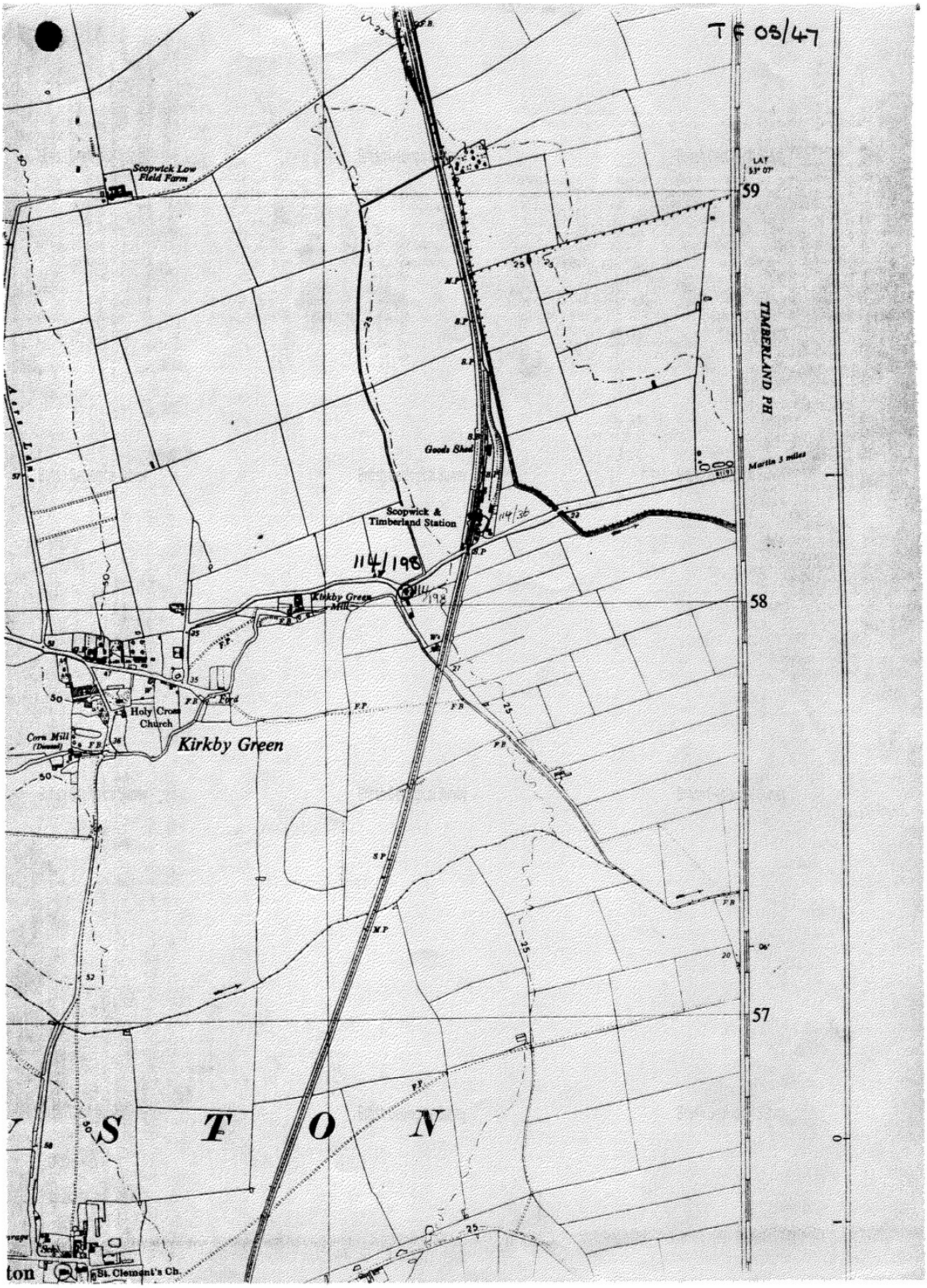


British Geological Survey

Version 2.0.6.6

BGS ID: 469033 : BGS Reference: TF05NE24
British National Grid (27700) : 509196,358035

Report an issue with this borehole


TF 08/47
Scopwick Low Field Farm
Goods Shed
Scopwick & Timberland Station
114/136
114/198
Kirkby Green Mill
Holy Cross Church
Ford
Corn Mill (Disused)
Kirkby Green
TIMBERLAND PH
Martin 3 miles
59
58
57
S T O N
St. Clement's Ch.

APPENDIX E9 BGS BOREHOLE LOGS – ZONE L

British Geological Survey

Version 2.0.6.6

BGS ID: 18142057 : BGS Reference: TF06SE72
British National Grid (27700) : 505645,361594
Report an issue with this borehole

<< < Prev Page 1 of 1 Next > >>

TF06/62

Ae. No. 47816

The Wright Drilling CO.

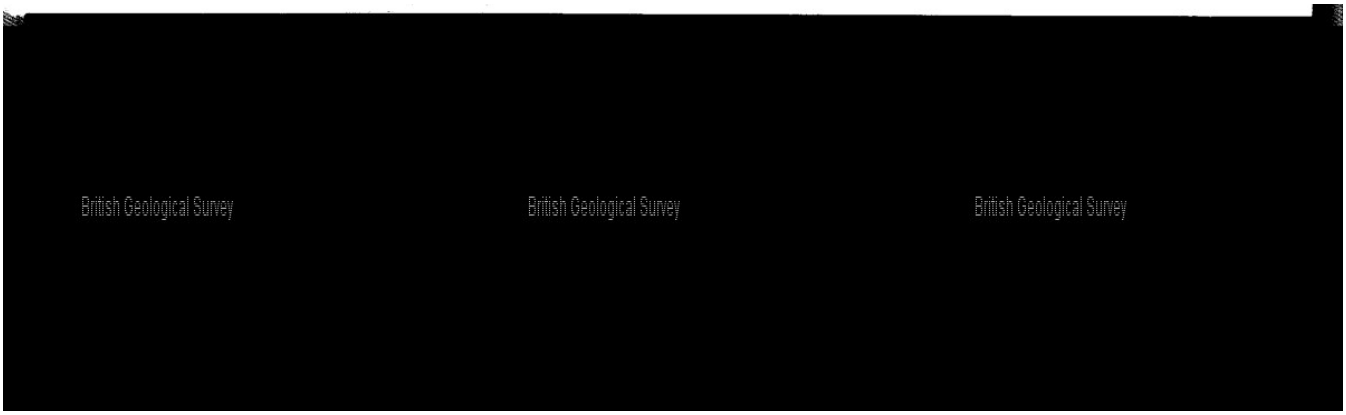
Water divining - Well Drilling - Pump Installations

19 Blakemore Drive, Sutton Coldfield West Midlands B75 7RN
Tel./ Fax 0121 378 1062 Mobile 07979 526 943
email: gordonwright@waterdiviner.com internet http//:www.waterdiviner.com

TF06 SW

CLIENT	Mr. D.Johnson			
ADDRESS	The Quarry Heath Lane Metheringham Lincoln LN4 3DH			
YIELD	G.P.H.	750 +	FINISHED DIA	4"
GRID REF.	TF 05645 61594		FINISHED DEPTH	30 METRE
WATER	REST LEVEL	12	METRES	
WATER	DRAW DOWN	1 Meter		
Date	27 March 2008			

FROM METRES	TO METRES	FORMATION	CASED DEPTH
0	12	Limestone	
12	14	Sand	
14	23	Limestone	
23	30	Blue mud stone	30 m


British Geological Survey
British Geological Survey
British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469003 : BGS Reference: TF05NE1
British National Grid (27700) : 506397,359695
Report an issue with this borehole

<< < Prev Page 1 of 5 Next > >>

0635 5967 2162

D'ARCY EXPLORATION Co. LTD.

TEST AREA BLANKNEY WELL No. 1

LICENCE N°A 30(a) "Amended"

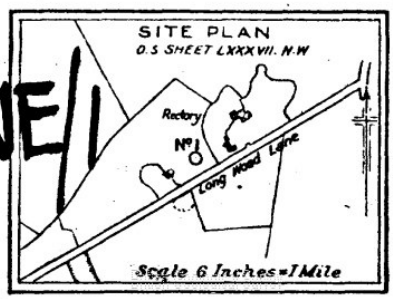
POSITION OF WELL: LONG: 0° 24' 35·4" W. LAT: 53° 7' 24·7" N.
COUNTY: LINCS.

ELEVATION: DERRICK FLOOR:
ROTARY TABLE: 93' 28.3

RIG: ROTARY
DERRICK: 87' JACK KNIFE
POWER: DIESEL

TF05NE/1 128

SITE PLAN
O.S SHEET LXXXVII. N.W



HISTORY:-

Commenced drilling on 2·9·43
Cemented 11¾" casing at 195'
Completed drilling on 16·9·43 at 3085'

Abandoned
Plugged with cement from bottom – 2750'
Wooden plug placed at 221' & Cement plug from 221' to surface

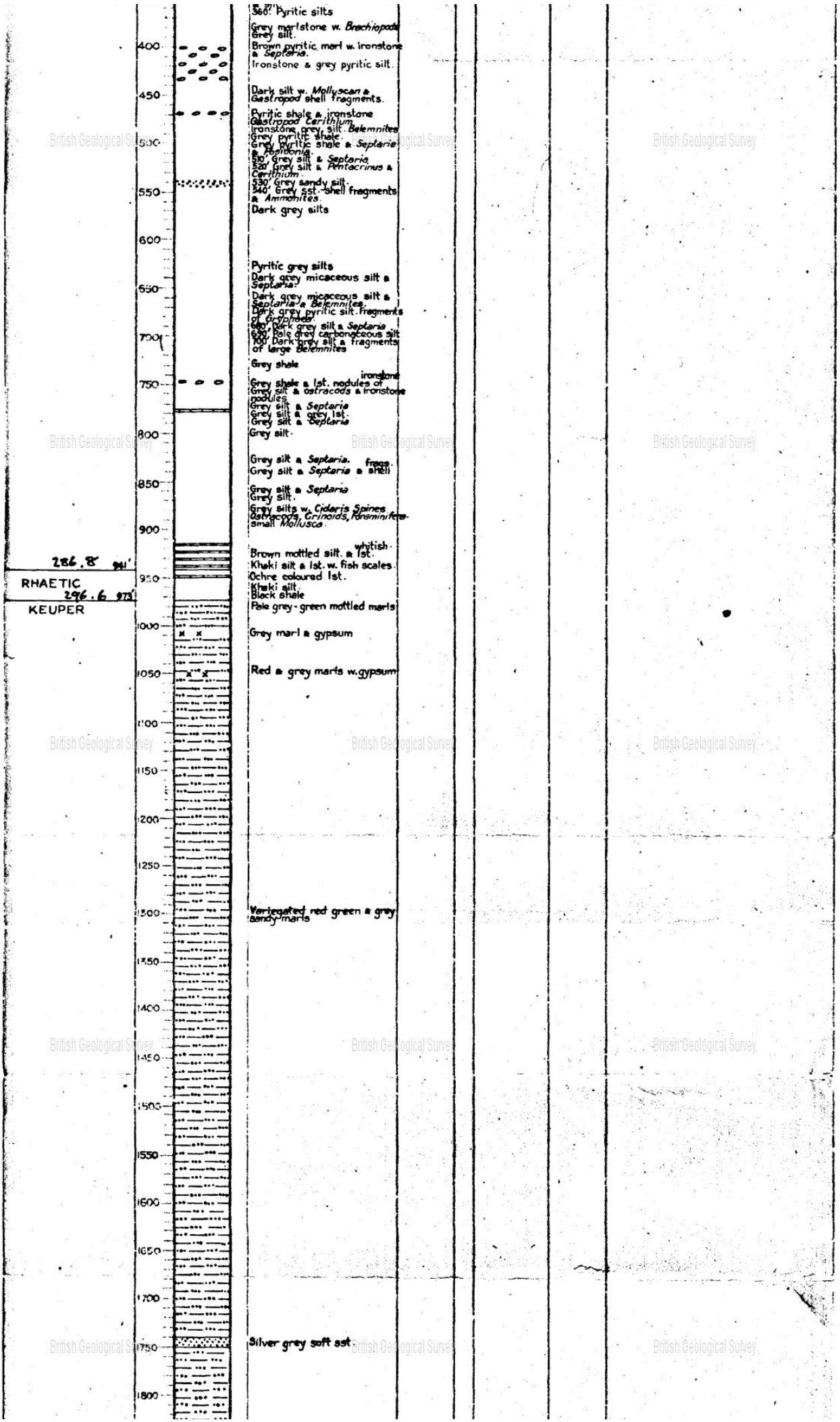
[sited on 6"]

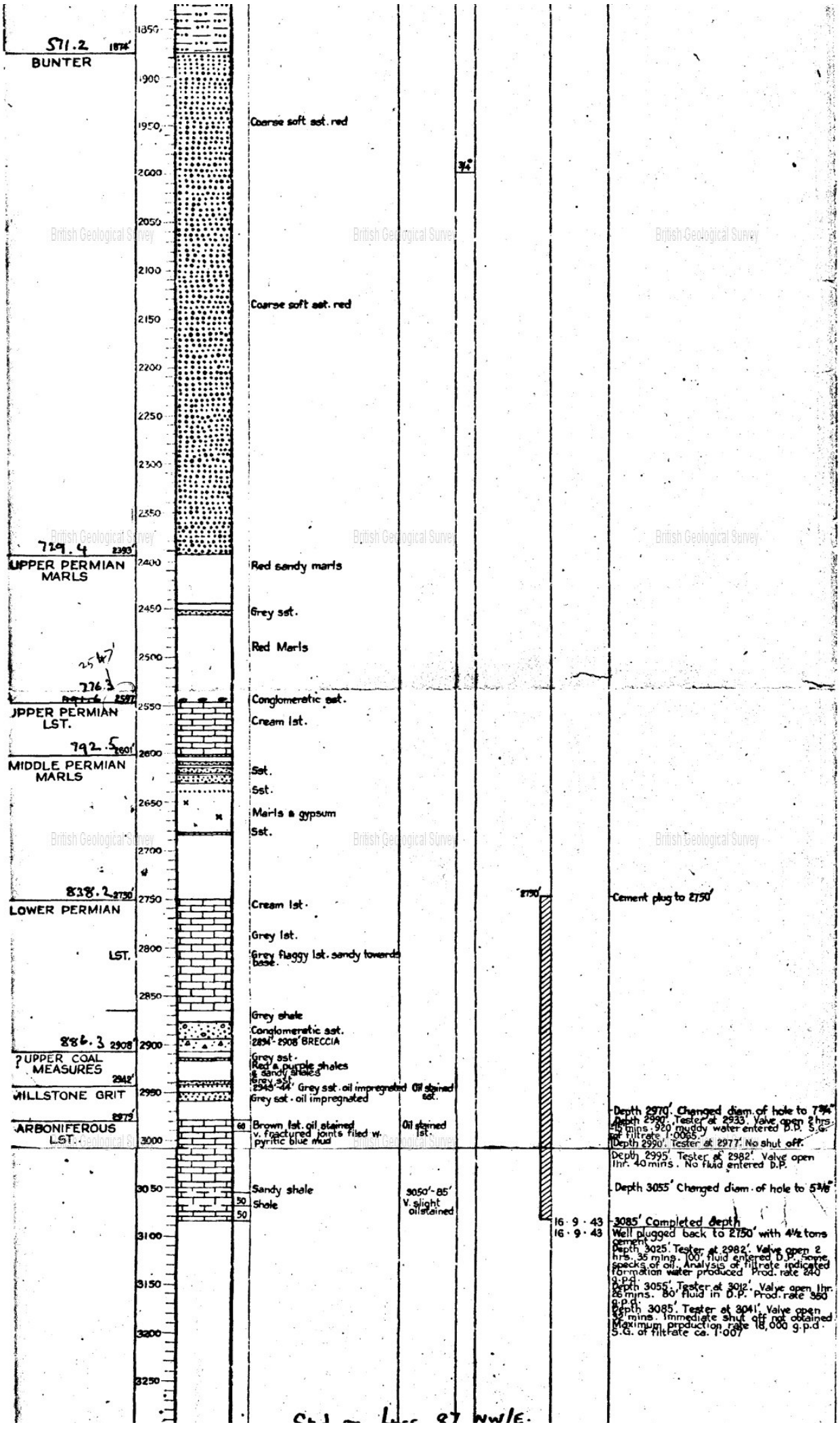
OD cc 80

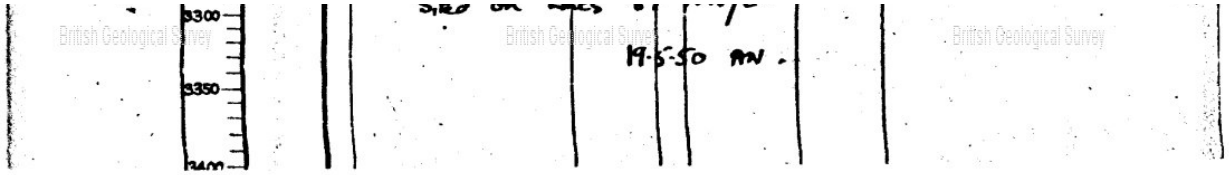
- LEGEND -

- SHALE CLAY MARL OR MUDSTONE.
- SANDY SHALE ETC.
- INTER-BEDDED SHALE ETC. & SANDSTONE.
- CONGLOMERATE BRECCIA
- PEBBLY SANDSTONE
- SANDSTONE
- COAL
- FIRECLAY.
- IRONSTONE.
- CHERT OR FLINT.
- ANHYDRITE, GYPSUM OR SALT.
- LIMESTONE.
- DOLOMITIC LIMESTONE OR DOLOMITE ROCK.
- IGNEOUS ROCK.

GEOLOGICAL FORMATION	DEPTH IN FEET	LOG	DETAILS OF FORMATION	OIL, GAS, WATER COAL SEAMS	CASING	DATE	REMARKS
LINCOLNSHIRE LST.			Cream coloured oolitic lst.			2·9·43	Commenced drilling 14⅞" diam. hole.
	50		Cream oolitic lst.				
NORTHAMPTON SANDS 28	100		Calc. sandy flags. Lignite.				
UPPER LIAS 33.2.			Grey coarse soft sst.				
			Grey silt.				
	150		Soft grey shale w. pyritised Foraminifera.				
	200		Grey shale		11¾" 221' Wooden Plug	3·9·43	Depth 221' Cemented 11¾" casing at 195' with 4 tons cement. No cement returns. 221' Changed diam. of hole to 8⅝"
82.3 270'	250		Argillaceous lst. w. shales				
MIDDLE LIAS			Thin bedded grey silt.				
	300		Sandy lst. Marlstone Grey sst. Grey silt with pyrite Grey micaceous silt. Grey brown argillaceous lst.				
100.6 330' LOWER LIAS	350						


360' Pyritic silts
Grey marlstone w. Brachiopods
Grey silt.
Brown pyritic marl w. ironstone & Septaria.
Ironstone & grey pyritic silt.
Dark silt w. Molluscan & Gastropod shell fragments.
Pyritic shale & ironstone
Gastropod Cerithium
Ironstone grey silt. Belemnites
Grey pyritic shale.
Grey pyritic shale & Septaria & Posidonia.
510' Grey silt & Septaria
520' Grey silt & Pentacrinus & Cerithium.
530' Grey sandy silt.
540' Grey sst. shell fragments & Ammonites.
Dark grey silts
Pyritic grey silts
Dark grey micaceous silt & Septaria.
Dark grey micaceous silt & Septaria & Belemnites.
Dark grey pyritic silt. fragments of Gryphaea.
680' Dark grey silt & Septaria
690' Pale grey carbonaceous silt
700' Dark grey silt & fragments of large Belemnites
Grey shale
Grey shale & lst. nodules of ironstone
Grey silt & ostracods & ironstone nodules.
Grey silt & Septaria
Grey silt & grey lst.
Grey silt & Septaria
Grey silt.
Grey silt & Septaria.
Grey silt & Septaria & frags. shell
Grey silt & Septaria
Grey silt.
Grey silts w. Cidaris Spines Ostracods, Crinoids, Foraminifera small Mollusca.
Brown mottled silt. & whitish lst.
Khaki silt & lst. w. fish scales.
Ochre coloured lst.
Khaki silt.
Black shale
Pale grey-green mottled marls
Grey marl & gypsum
Red & grey marls w. gypsum
Variegated red green & grey sandy marls
Silver grey soft sst.
286.8 941'
RHAETIC
296.6 973'
KEUPER
400
450
500
550
600
650
700
750
800
850
900
950
1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500
1550
1600
1650
1700
1750
1800


571.2 1874'
BUNTER
1850
1900
1950
Coarse soft sst. red
2000
3½°
2050
2100
Coarse soft sst. red
2150
2200
2250
2300
2350
729.4 2393'
UPPER PERMIAN MARLS
2400
Red sandy marls
2450
Grey sst.
Red Marls
2500
276.3
2677'
2550
Conglomeratic sst.
UPPER PERMIAN LST.
Cream lst.
792.5 2601'
2600
MIDDLE PERMIAN MARLS
Sst.
Sst.
2650
Marls & gypsum
Sst.
2700
838.2 2750'
2750
2750'
Cement plug to 2750'
LOWER PERMIAN
Cream lst.
Grey lst.
LST.
2800
Grey flaggy lst. sandy towards base.
2850
Grey shale
Conglomeratic sst.
886.3 2908'
2900
2894'-2908' BRECCIA
? UPPER COAL MEASURES 2942'
Grey sst.
Red & purple shales & sandy shales
Grey sst.
2943'-44' Grey sst. oil impregnated
Oil stained sst.
MILLSTONE GRIT 2979'
2950
Grey sst. oil impregnated
Depth 2970' Changed diam. of hole to 7¾"
Depth 2990'. Tester at 2933'. Valve open 2 hrs. 15 mins. 920' muddy water entered D.P. S.G. of filtrate 1.0065.
Depth 2990'. Tester at 2977'. No shut off.
CARBONIFEROUS LST.
60
Brown lst. oil stained
v. fractured joints filled w. pyritic blue mud
Oil stained lst.
3000
Depth 2995'. Tester at 2982'. Valve open 1hr. 40 mins. No fluid entered D.P.
Depth 3055' Changed diam. of hole to 5⅜"
3050
Sandy shale
50
Shale
50
3050'-85' V. slight oil stained
16·9·43
16·9·43
3085' Completed depth
Well plugged back to 2750' with 4½ tons cement.
Depth 3025'. Tester at 2982'. Valve open 2 hrs. 35 mins. 100' fluid entered D.P. Some specks of oil. Analysis of filtrate indicated formation water produced. Prod. rate 240 g.p.d.
Depth 3055'. Tester at 3012'. Valve open 1hr. 26 mins. 80' fluid in D.P. Prod. rate 360 g.p.d.
Depth 3085'. Tester at 3041'. Valve open 39 mins. Immediate shut off not obtained. Maximum production rate 18,000 g.p.d. S.G. of filtrate ca. 1.007
3100
3150
3200
3250



British Geological Survey British Geological Survey British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469003 : BGS Reference: TF05NE1
British National Grid (27700) : 506397,359695
Report an issue with this borehole

<< < Prev Page 2 of 5 Next > >>

0635 5987 1 14/128 TF05NE/1

(also in 0638 59...)

D'ARCY EXPLORATION Co. LTD.

TEST AREA BLANKNEY WELL No. 1

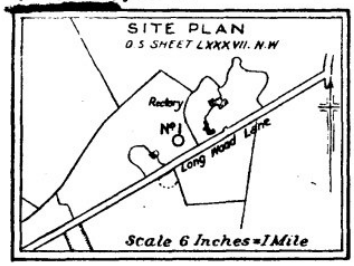
LICENCE N°A 30(a)

→ SEE "AMENDED" (1) ← 1" N.S. 114; O.S. 83

POSITION OF WELL: LONG: 0° 24' 35·4" W. LAT: 53° 7' 24·7" N.
COUNTY: LINCS:

ELEVATION: DERRICK FLOOR:
ROTARY TABLE : 93'

RIG: ROTARY DERRICK: 87' JACK KNIFE
POWER: DIESEL



HISTORY:-

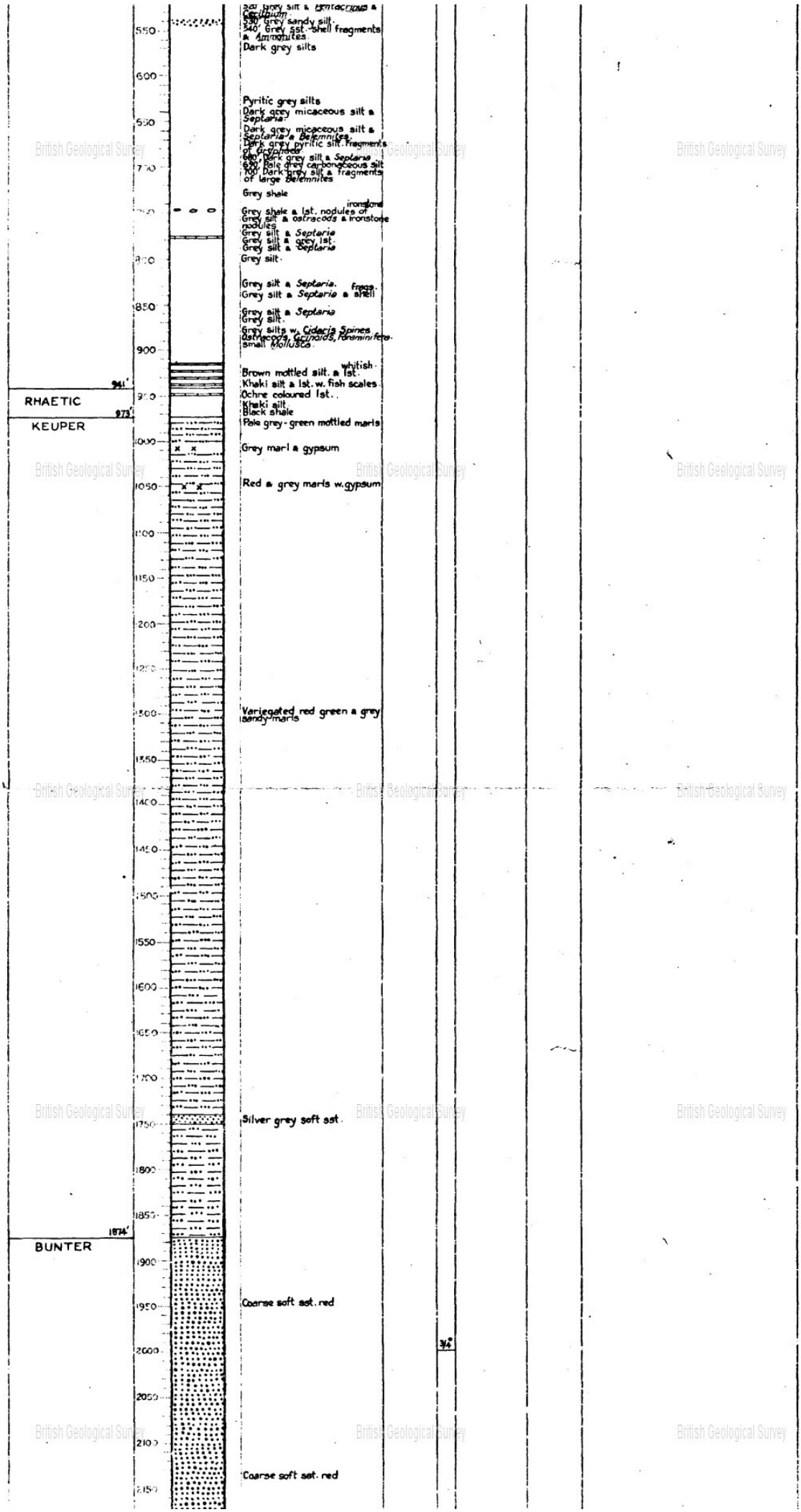
Commenced drilling on 2·9·43
Cemented 11¾" casing at 195'
Completed drilling on 16·9·43 at 3085'

Abandoned
Plugged with cement from bottom - 2750'
Wooden plug placed at 221' & Cement plug from 221' to surface

- LEGEND -

- SHALE CLAY, MARL OR MUDSTONE.
- SANDY SHALE ETC.
- INTER-BEDDED SHALE ETC. & SANDSTONE.
- CONGLOMERATE BRECCIA
- PEBBLY SANDSTONE
- SANDSTONE
- COAL
- FIRECLAY.
- IRONSTONE.
- CHERT OR FLINT.
- ANHYDRITE, GYPSUM OR SALT.
- LIMESTONE.
- DOLOMITIC LIMESTONE OR DOLOMITE ROCK.
- IGNEOUS ROCK.

GEOLOGICAL FORMATION	DEPTH IN FEET	LOG	DETAILS OF FORMATION	OIL, GAS, WATER, COAL SEAMS	CASING	DATE	REMARKS
			Cream coloured oolitic lst.			2·9·43	Commenced drilling 14⅛" diam. hole.
	50		Cream oolitic lst.				
	100		Calc. sandy flags. Lignite.				
			Grey coarse soft sst.				Revised thickness of 11¾" Casing (Application dated 22.i.43) 11 P (98'–109')
	140'		Grey silt.				
UPPER LIAS	150		Soft grey shale w. pyritised *Foraminifera*.				
	200		Grey shale		11¾" 221' Wooden Plug	3·9·43	Depth 221' Cemented 11¾" casing at 195' with 4 tons cement. No cement returns. 221' Changed diam. of hole to 8⅝"
	250		Argillaceous lst. w. shales				
	270'		Thin bedded grey silt.				
MIDDLE LIAS			Sandy lst.				
	300		Marlstone				
			Grey sst.				
	330'		Grey silt with pyrite				
LOWER LIAS			Grey micaceous silt.				
	350		Grey-brown argillaceous lst. & silt.				
			360' Pyritic silts				
			Grey marlstone w. *Brachiopods*				
			Grey silt.				
	400		Brown pyritic marl w. ironstone & *Septaria*.				
			Ironstone & grey pyritic silt.				
	450		Dark silt w. *Mollyscan & Gastropod* shell fragments.				
			Pyritic shale & ironstone *Gastropod Cerithium*				
			Ironstone, grey silt *Belemnites*				
	500		Grey pyritic shale.				
			Grey pyritic shale & *Septaria* & *Posidonia*				
			510' Grey silt & *Septaria*				


520' Grey silt & Pentacrinus & Cerithium
530' Grey sandy silt.
540' Grey sst. shell fragments & Ammonites
Dark grey silts
Pyritic grey silts
Dark grey micaceous silt & Septaria.
Dark grey micaceous silt & Septaria & Belemnites.
Dark grey pyritic silt. fragments of Gryphaea
680' Dark grey silt & Septaria
690' Pale grey carbonaceous silt
700' Dark grey silt & fragments of large Belemnites
Grey shale
Grey shale & lst. nodules of ironstone
Grey silt & ostracods & ironstone nodules
Grey silt & Septaria
Grey silt & grey lst.
Grey silt & Septaria
Grey silt.
Grey silt & Septaria.
Grey silt & Septaria & frags. shell
Grey silt & Septaria
Grey silt.
Grey silts w. Cidaris Spines Ostracods, Crinoids, Foraminifera. small Mollusca.
Brown mottled silt. & lst. whitish.
Khaki silt & lst. w. fish scales.
Ochre coloured lst..
Khaki silt.
Black shale
Pale grey-green mottled marls
Grey marl & gypsum
Red & grey marls w. gypsum
Variegated red green & grey sandy marls
Silver grey soft sst.
Coarse soft sst. red
Coarse soft sst. red
941'
RHAETIC
973'
KEUPER
1874'
BUNTER
3/4°
550
600
650
700
750
800
850
900
950
1000
1050
1100
1150
1200
1250
1300
1350
1400
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1650
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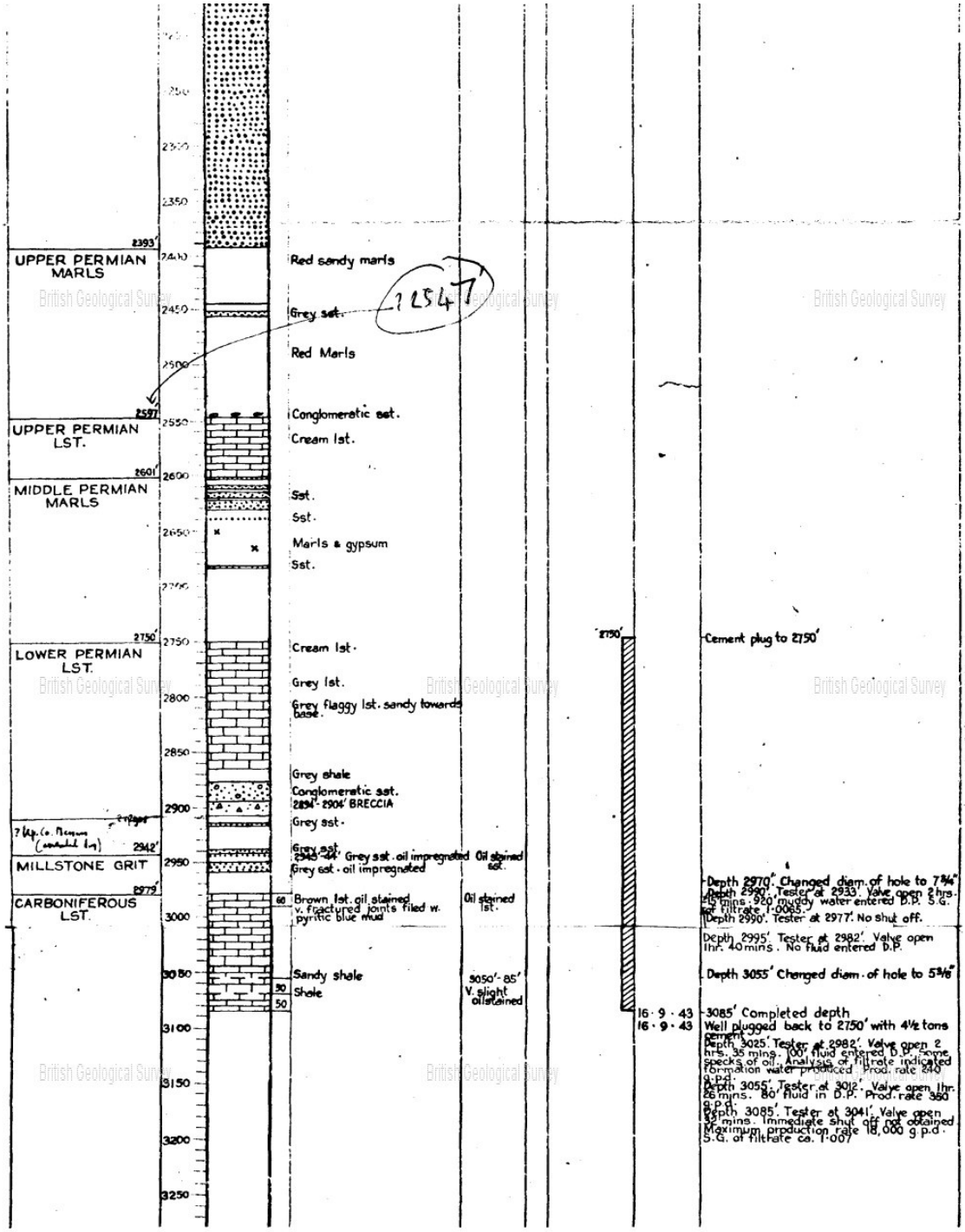
1900
1950
2000
2050
2100
2150

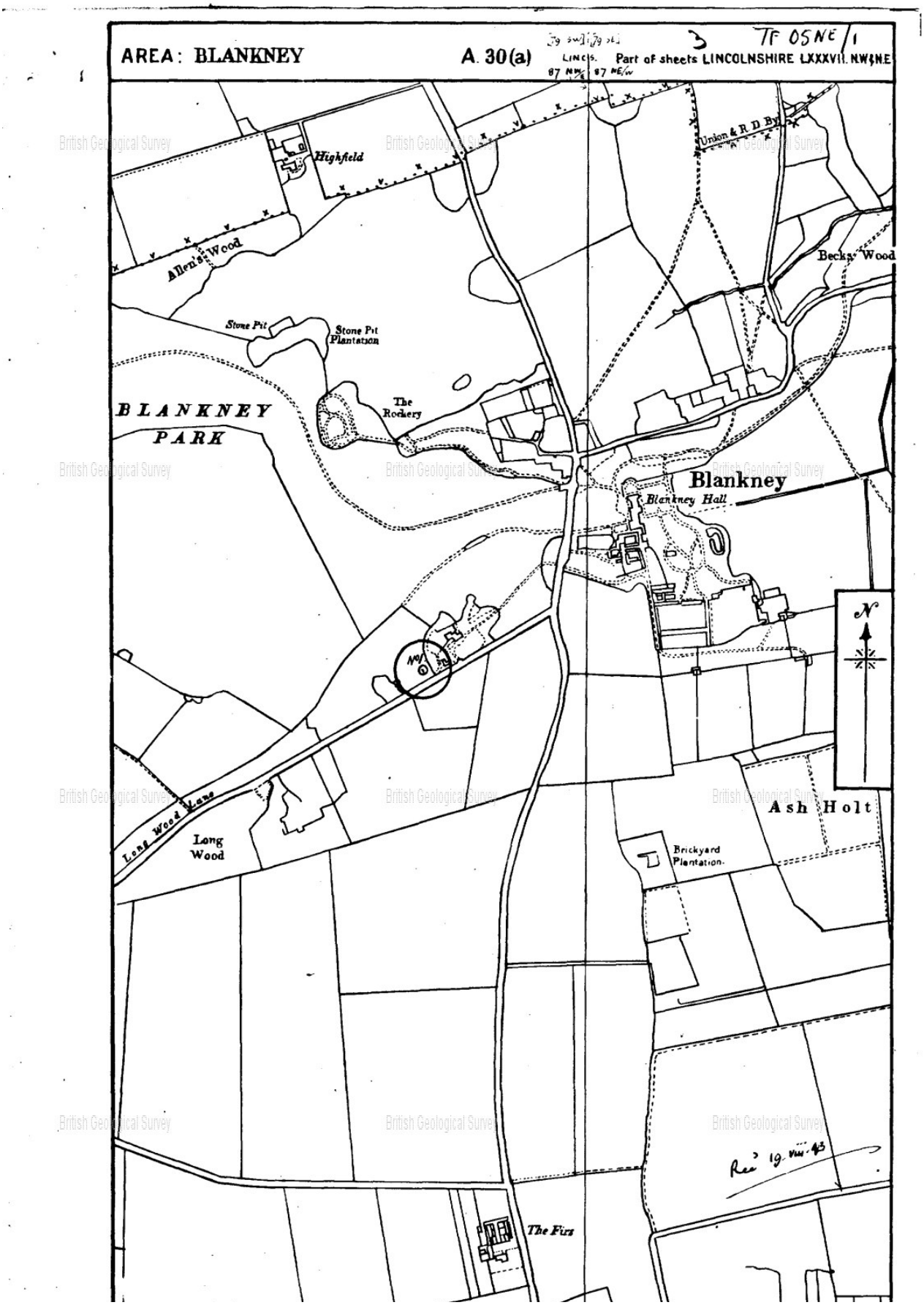

UPPER PERMIAN MARLS
2393'
UPPER PERMIAN LST.
2597'
MIDDLE PERMIAN MARLS
2601'
LOWER PERMIAN LST.
2750'
MILLSTONE GRIT
2942'
CARBONIFEROUS LST.
2979'
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150
3200
3250
Red sandy marls
Grey sst.
Red Marls
Conglomeratic sst.
Cream lst.
Sst.
Sst.
Marls & gypsum
Sst.
Cream lst.
Grey lst.
Grey flaggy lst. sandy towards base.
Grey shale
Conglomeratic sst.
2894'-2904' BRECCIA
Grey sst.
Grey sst.
2945'-64' Grey sst. oil impregnated
Grey sst. oil impregnated
Brown lst. oil stained v. fractured joints filled w. pyritic blue mud
60
Sandy shale
30
Shale
50
Oil stained sst.
Oil stained lst.
3050'-85' V. slight oil stained
2750'
Cement plug to 2750'
Depth 2970' Changed diam. of hole to 7 3/4"
Depth 2990'. Tester at 2933'. Valve open 2 hrs. 15 mins. 920' muddy water entered D.P. S.G. of filtrate 1·0085.
Depth 2990'. Tester at 2977'. No shut off.
Depth 2995'. Tester at 2982'. Valve open 1hr. 40 mins. No fluid entered D.P.
Depth 3055' Changed diam. of hole to 5 3/8"
16·9·43
16·9·43
3085' Completed depth
Well plugged back to 2750' with 4½ tons cement.
Depth 3025'. Tester at 2982'. Valve open 2 hrs. 35 mins. 100' fluid entered D.P. Some specks of oil. Analysis of filtrate indicated formation water produced. Prod. rate 240 g.p.d.
Depth 3055'. Tester at 3012'. Valve open 1hr. 26 mins. 80' fluid in D.P. Prod. rate 360 g.p.d.
Depth 3085'. Tester at 3041'. Valve open 55 mins. Immediate shut off not obtained. Maximum prpduction rate 18,000 g.p.d. S.G. of filtrate ca. 1·007

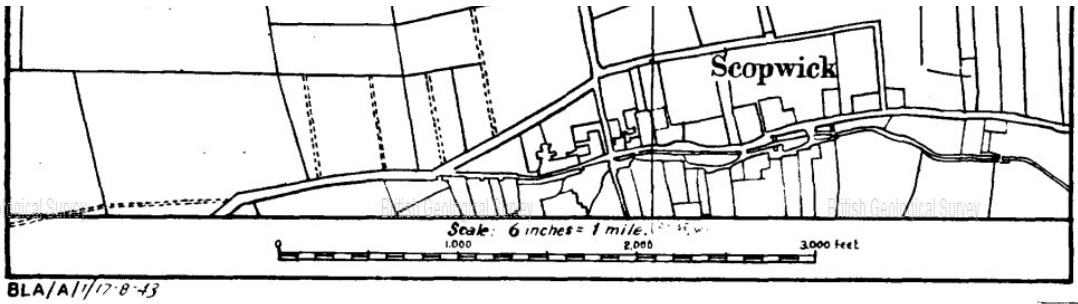
British Geological Survey

Version 2.0.6.6

BGS ID: 469003 : BGS Reference: TF05NE1
British National Grid (27700) : 506397,359695

Report an issue with this borehole





BLA/A/1/17-8-43

British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469003 : BGS Reference: TF05NE1
British National Grid (27700) : 506397,359695
Report an issue with this borehole

<< < Prev Page 4 of 5 Next > >>

D'ARCY EXPLORATION Co. LTD.

TEST AREA BLANKNEY WELL No. 1

TF05/12

LICENCE No. A 30(W) "Arnold"

POSITION OF WELL: LONG: 0° 24' 35.4" W. LAT: 53° 7' 31.7" N.

COUNTY: LINCS:

114/128

ELEVATION: DERRICK FLOOR:
ROTARY TABLE: 93'

RIG: ROTARY DERRICK: 87' JACK KNIFE
POWER: DIESEL

SITE PLAN
O.S. Sheet 122 (XXXVI. NW)
Scale 6 inches = 1 Mile

HISTORY:-

Commenced drilling on 2. 9. 43
Cemented 11¾" casing at 195'
Completed drilling on 16. 9. 43 at 3086'

Abandoned
Plugged with cement from bottom - 2750'
Wooden plug placed at 221' & Cement plug from 221' to surface

N.G.R. TF 0641 5970.

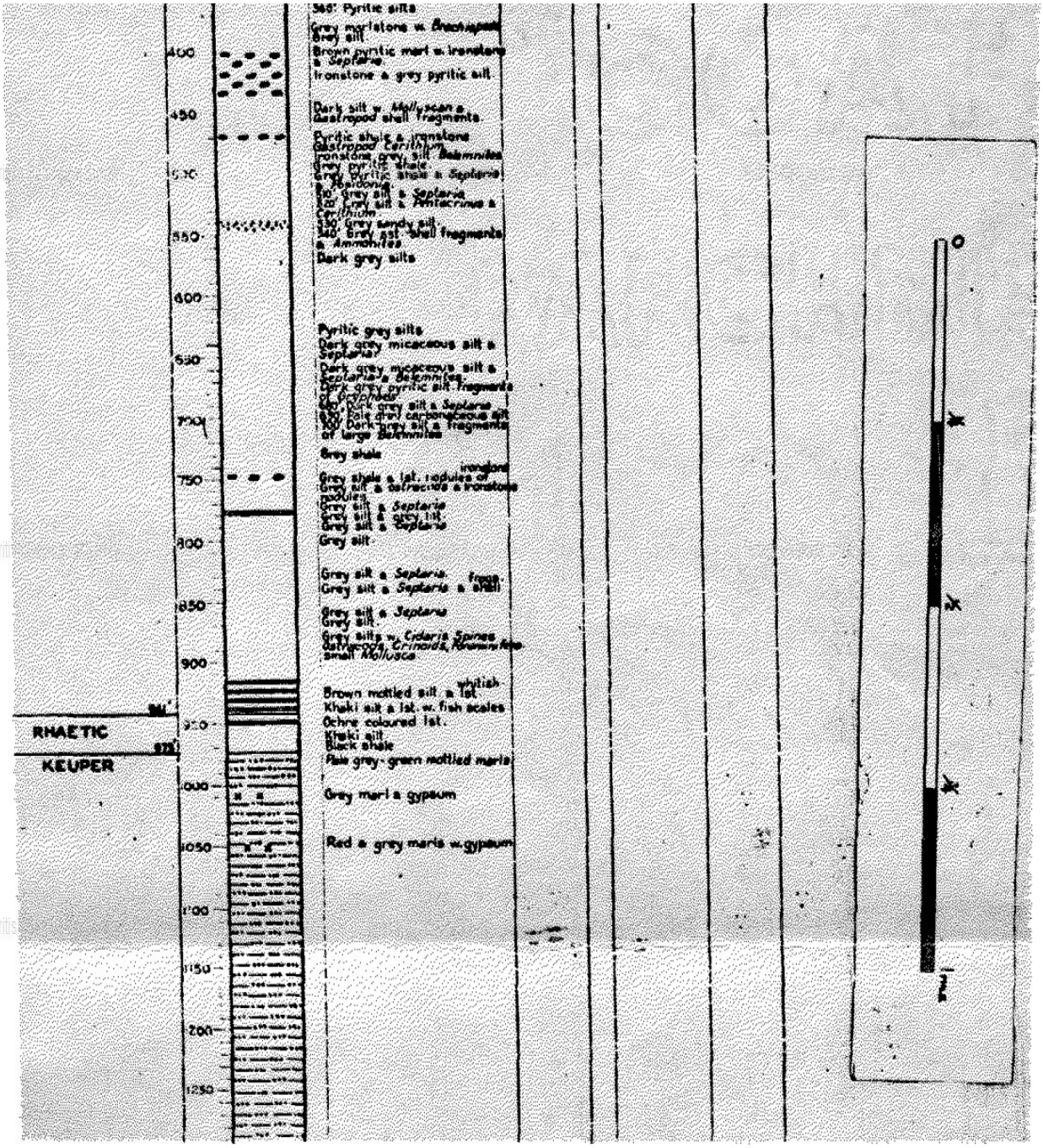
ODC 80. & TF05NE/1

DECLASSIFIED
28 SEP 1999

- LEGEND -

- SHALE CLAY, MARL OR MUDSTONE
- SANDY SHALE ETC.
- INTER-BEDDED SHALE ETC & SANDSTONE.
- CONGLOMERATE BRECCIA
- PEBBLY SANDSTONE
- SANDSTONE
- COAL
- FIRECLAY
- IRONSTONE
- CHERT OR FLINT
- ANHYDRITE, GYPSUM OR SALT
- LIMESTONE.
- DOLOMITIC LIMESTONE OR DOLOMITE ROCK.
- IGNEOUS ROCK.

GEOLOGICAL FORMATION	DEPTH IN FEET	LOG	DETAILS OF FORMATION	OIL, GAS WATER COAL SEAMS	CASING	DATE	REMARKS
						2. 9. 43	Commenced drilling 14¾" diam. hole.
LINCOLNSHIRE LST.	50		Cream coloured oolitic lst.				
			Cream oolitic lst.				
NORTHAMPTON SANDS.	100		Calc. sandy flags. Lignite.				
UPPER LIAS			Grey coarse soft sst.				
	150		Grey silt				
			Soft grey shale w. pyritised foraminifera.				
	200		Grey shale		11¾" 221' Wooden Plug	3. 9. 43	Depth 221' Cemented 11¾" casing at 195' with a tons cement. No cement returns. 221' Changed diam. of hole to 8¾"
	250		Argillaceous lst. w. shales				
MIDDLE LIAS			Thin bedded grey silt.				
	300		Sandy lst. Marlstone Grey sst. Grey silt with pyrite Grey micaceous silt Grey-brown argillaceous lst & silt				
LOWER LIAS	350						

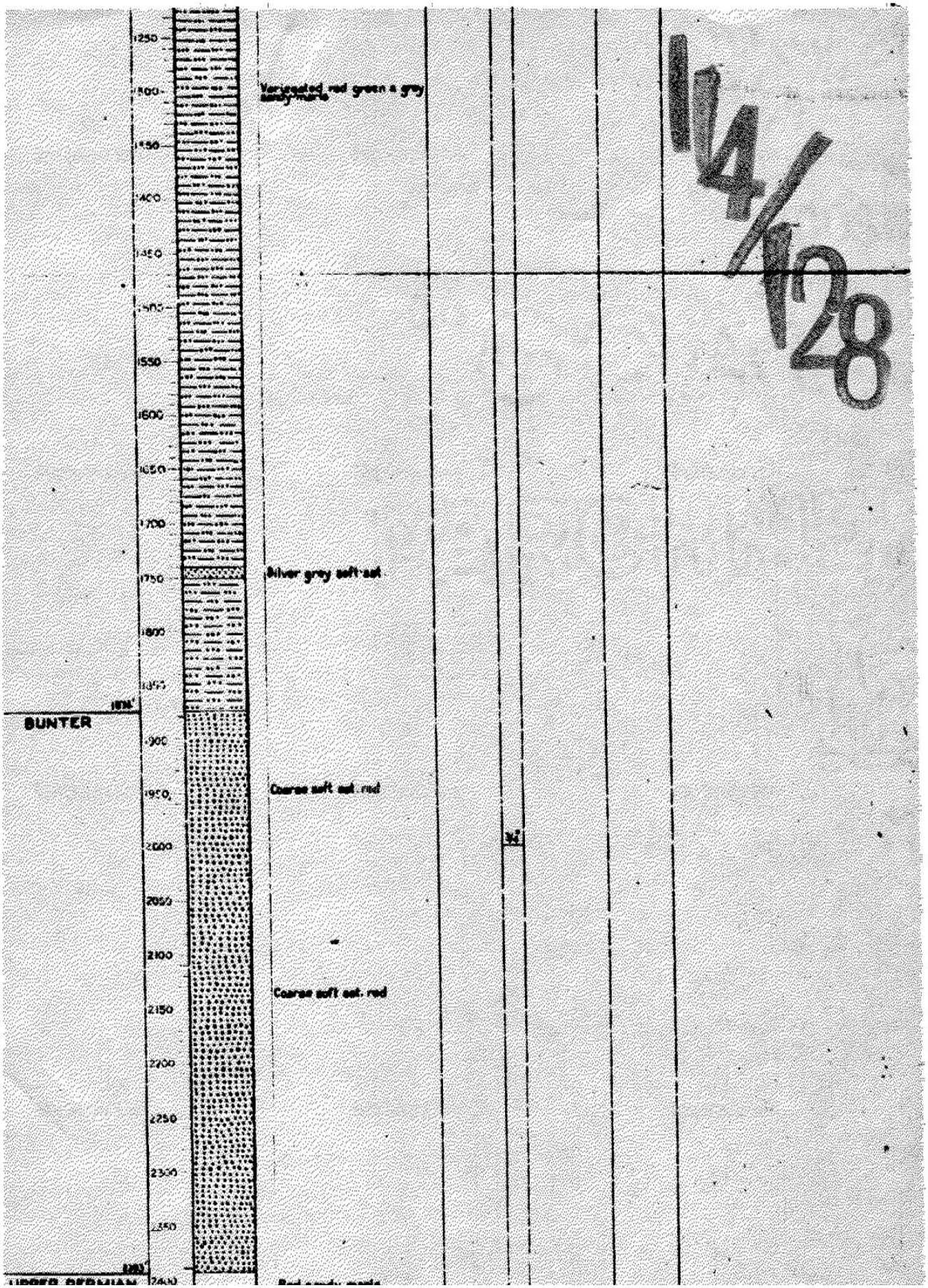

RHAETIC
KEUPER
400
450
500
550
600
650
700
750
800
850
900
950
1000
1050
1100
1150
1200
1250
Pyritic silts
Grey marlstone w. Brachiopods
Grey silt
Brown pyritic marl w. ironstone
a Septaria
Ironstone a grey pyritic silt
Dark silt w. Mollusca a
Gastropod shell fragments.
Pyritic shale a ironstone
Gastropod Cerithium
Ironstone, grey silt Belemnites
Grey pyritic shale
Grey pyritic shale a Septaria
a Pentacrinus
Grey silt a Septaria
Grey silt a Pentacrinus a
Cerithium
Grey sandy silt
Grey pyritic shell fragments
a Ammonites
Dark grey silts
Pyritic grey silts
Dark grey micaceous silt a
Septaria?
Dark grey micaceous silt a
Septaria a Belemnites
Dark grey pyritic silt fragments
of Pentacrinus
Dark grey silt a Septaria
Pale grey carbonaceous silt
Dark grey silt a fragments
of large Belemnites
Grey shale
Grey shale a lst. nodules of
ironstone
Grey silt a calcareous ironstone
nodules
Grey silt a Septaria
Grey silt a grey lst.
Grey silt a Septaria
Grey silt
Grey silt a Septaria. fossil
Grey silt a Septaria a shell
Grey silt a Septaria
Grey silt.
Grey silts w. Cidaris Spines
Saltwater fish Crinoids, Foraminifera
Small Mollusca
Brown mottled silt a whitish
Khaki silt a lst. w. fish scales
Ochre coloured lst.
Khaki silt
Black shale
Pale grey-green mottled marls
Grey marl a gypsum
Red a grey marls w. gypsum

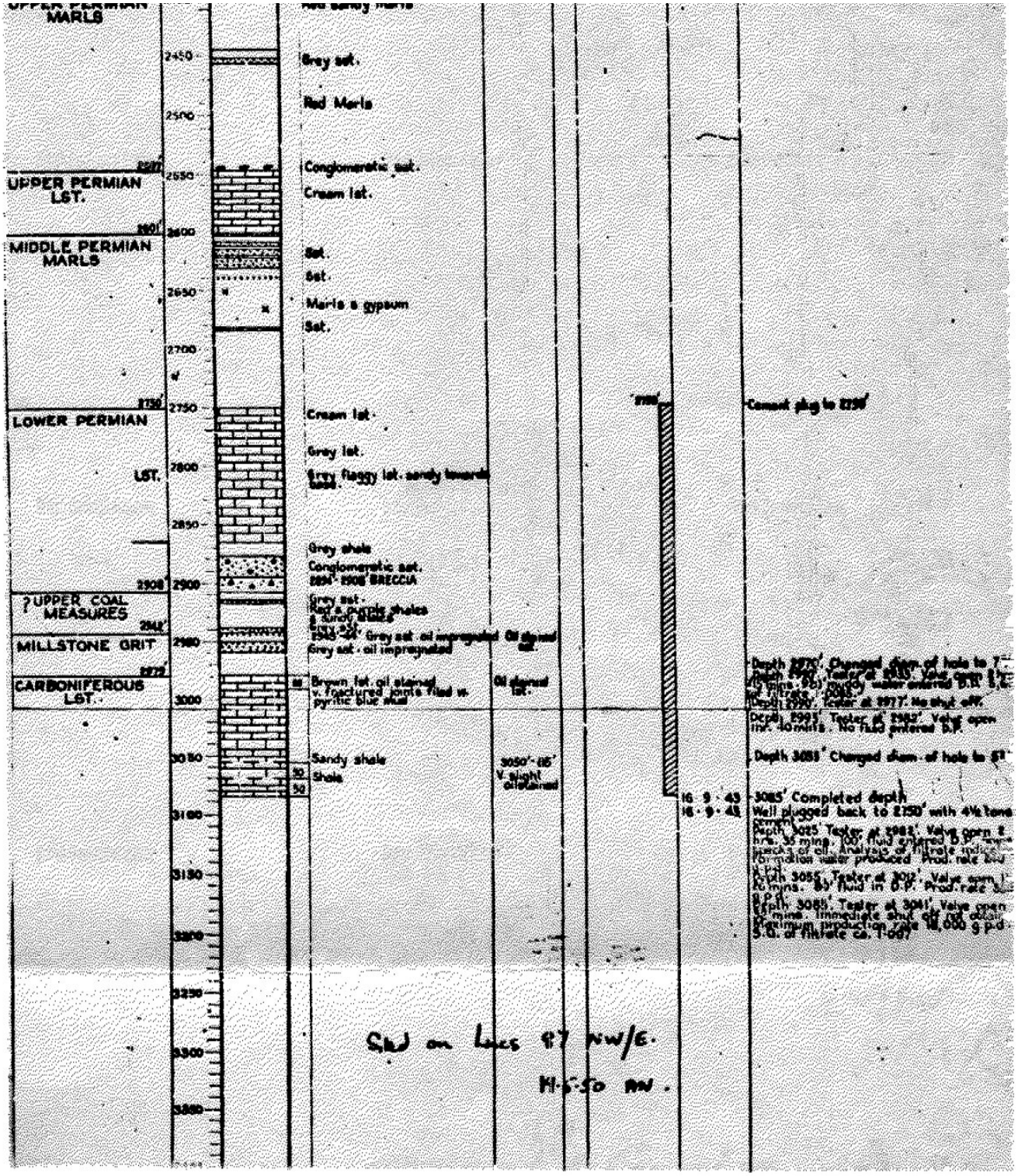
British Geological Survey

Version 2.0.6.6

BGS ID: 469003 : BGS Reference: TF05NE1
British National Grid (27700) : 506397,359695

Report an issue with this borehole




UPPER PERMIAN MARLS
Red sandy marls
2450
Grey sst.
2500
Red Marls
2550
Conglomeratic sst.
UPPER PERMIAN LST.
Cream lst.
2600
MIDDLE PERMIAN MARLS
Sst.
Sst.
2650
Marls & gypsum
Sst.
2700
2750
LOWER PERMIAN
Cream lst.
Grey lst.
LST.
2800
Grey flaggy lst. sandy towards base.
2850
Grey shale
Conglomeratic sst.
2894'-2908' BRECCIA
2900
? UPPER COAL MEASURES
Grey sst.
Red & purple shales & sandy shales
Grey sst.
2945'-44' Grey sst. oil impregnated
Oil stained sst.
MILLSTONE GRIT
2980
Grey sst. oil impregnated
CARBONIFEROUS LST.
3000
Brown lst. oil stained v. fractured joints filled w. pyritic blue mud
Oil stained lst.
3050
Sandy shale
Shale
3050'-85' V. slight oilstained
3100
3150
3200
3250
3300
3350
Cement plug to 2750'
Depth 2970' Changed diam. of hole to 7"
Depth 2990' Tester at 2935'. Valve open 2 hrs. (15 mins. 98) muddy water entered D.P. S.G. of filtrate 1.0085.
Depth 2990' Tester at 2977'. No shut off.
Depth 2995' Tester at 2982'. Valve open 1 hr. 40 mins. No fluid entered D.P.
Depth 3055' Changed diam. of hole to 5"
16 · 9 · 43
16 · 9 · 43
3085' Completed depth
Well plugged back to 2750' with 4½ tons cement
Depth 3025' Tester at 2982'. Valve open 2 hrs. 35 mins. 100' fluid entered D.P. Sparks of oil. Analysis of filtrate indicates formation water produced. Prod. rate 1.0 g.p.d.
Depth 3055' Tester at 3012'. Valve open 1 hr. 20 mins. 80' fluid in D.P. Prod. rate 3.0 g.p.d.
Depth 3085' Tester at 3041'. Valve open 25 mins. Immediate shut off not obtained. Maximum production rate 18,000 g.p.d. S.G. of filtrate ca. 1.007
Sited on Lacs 87 NW/E.
14-5-50 AN.

British Geological Survey

Version 2.0.6.6

BGS ID: 469025 : BGS Reference: TF05NE16
British National Grid (27700) : 508334,358923
Report an issue with this borehole

<< < Prev Page 1 of 2 Next > >>

RECORD of ~~WELL or~~ BORING (Nos. 19–29)

Survey No.
1" N.S. 114
1" O.S.

(Name of farm) Across the railway 1/4m the Lincolnshire Limestone, 9 mile S. of Lincoln.

Town, Village, &c. County Lincs Six-inch map

Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). (Description given made by G.W.D. from the (see Tracing.) tracing and is on 1" scale. Popular Edition (Sheet of one-inch map. (Square

Surface level of ground ft. above Ordnance Datum. Well or Bore commenced at ft. below surface level of ground.

Sunk ft., diameter ft. Bored ft.; diameter of boring at top 6 in., at bottom 6 in.

Details of lining tubes (internal diameters preferred) All the bores were backfilled to take explosives (for the seismic method of geophysical survey)

Water struck at depths of (feet)

Rest-level of water below above top of well or bore ft. Pumping level ft. Time of recovery hours.

Suction at ft. depth. Yield: (i) on test galls. per, (ii) normal galls. per

Quality (attach copy of analysis if available)

Made by L. Cornah Sutcliff & Gill for M. D'Arcy Exploration Co Date of boring Nov.-Dec. 1950

Information from Mr. P.E. Kent (Anglo-Iranian Co)

(For Survey use only).

TF05 NE/14 +15

No. 24 + 25 Records of 1" not received. No. 24 was 64 chains W.N.W of Scopwick church, & just N. of the Navenby Road. No. 25 was 26 chains N by E of Scopwick church and 26 chains E of the Blankney road at the fork to Navenby & Lincoln.

	THICKNESS.	DEPTH.
	0. 5	
Mould	6	— 60
Sand & stones	1 3	1 90·53
Limestone	5 52	6 92·06
Marled clay	2 0 61	8 92·67
Clay	39 3 96	48 14·63
Hard sandy clay	12 3 66	60 18·29

TF05 NE/16 Conbrash

No. 26. Scopwick parish; on the boundary, 78 chains E.N.E of Scopwick church and about 9 chains W.S.W of "Scopwick Lodge Fm." [another near Scopwick Lodge & bore 23]. O.D. [just below 50' contour] say 49'. No note of water

Metres

"Bore is in Conbrash crop & good soil. ? there is Ox. Oolite lst"

TF05NE17 MARTIN PARISH BORE NO. 27 TF 09541 58809

TF05 NE/17

No. 27. Martin parish, on the Timberland boundary. 8 chains E of the railway and 37 chains N. by E of bridge (a level crossing ?) at Scopwick Station O.D. (just below 25' contour) say 24'. Rest water-level 3 ft. down.

Top soil	1	—	1 —
Marled clay	39	8 9	40 12·19
Blue sandy clay	20	6 10	60 18·21

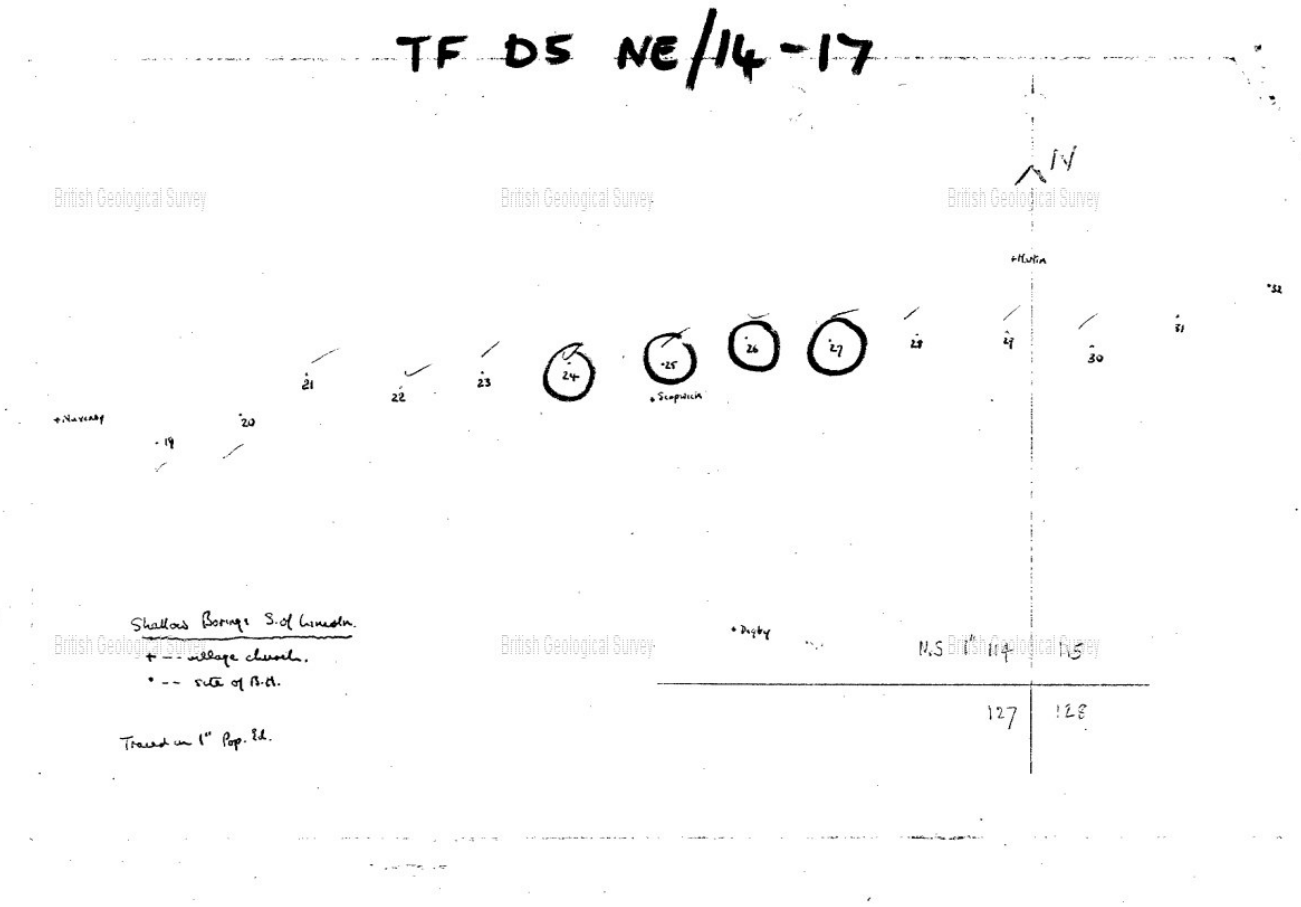
"? Kellaways under B. Clay. [If so] Chr. is here −35' [or less], but it is ca +47' O.D. in No. 26 — giving dip of 82' per 3/4 mile = 112 ft. per mile."

British Geological Survey

Version 2.0.6.6

BGS ID: 469025 : BGS Reference: TF05NE16
British National Grid (27700) : 508334,358923

Report an issue with this borehole



APPENDIX E10 BGS BOREHOLE LOGS – ZONE M

British Geological Survey

Version 2.0.6.6

BGS ID: 472521 : BGS Reference: TF16SW21
British National Grid (27700) : 510190,360220
Report an issue with this borehole

<< < Prev Page 1 of 1 Next > >>

TF16SW21 LINWOOD GRANGE TF 10190 60220

Surface level (+ 18.1 m) +59 ft
Water struck at +16.6 m
March 1979

Overburden 0.7 m
Mineral 2.8 m
Waste 13.8 m
Bedrock 1.2 m+

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LOG

Geological classification	Lithology	Thickness m	Depth m
	Soil	0.7	0.7
Fluvio-glacial and Older River Sand and Gravel	Pebbly sand, 'clayey' to 1.5 m Gravel: fine with coarse, subrounded quartzite with sub-rounded limestone, rounded quartz, subangular flint and subrounded sandstone Sand: medium, quartz with lithic grains	2.8	3.5
Till	Clay, silty, chiefly olive grey with reddish brown patches at 16 m; pebbles of chalk, flint and mudstone (common to base)	13.8	17.3
Ancholme Clay Group	Silt, clayey, dark greenish grey, laminated in part, fossiliferous	1.2+	18.5

GRADING

Mean for deposit percentages			Depth below surface (m)	Percentages						
Fines	Sand	Gravel		Fines	Sand			Gravel		
				$-\frac{1}{16}$	$+\frac{1}{16}-\frac{1}{4}$	$+\frac{1}{4}-1$	+1 -4	+4 -16	+16 -64	+64 mm
6	75	19	0.7-1.5	14	19	51	4	8	4	0
			1.5-3.5	2	9	59	7	14	9	0
			Mean	**6**	**12**	**57**	**6**	**12**	**7**	**0**

COMPOSITION

Depth below surface (m)	Percentages by weight in +8 -16 mm fraction								
	Flint	Quartzite	Limestone	Quartz	Sandstone	Mudstone	Ironstone	Igneous	Others
0.7-1.5	9	55	0	17	19	0	0	0	0
1.5-3.5	10	44	20	17	7	0	0	2	0
Mean	**10**	**46**	**16**	**17**	**9**	**0**	**0**	**2**	**0**

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TF05SE/20

DRILLING + GEOSERVICES
SEPT. 1972.

127/218 A

TF 0653/31

Bloxholm Exploratory (Hole G.D.)

(TF 06355311) TF05SE

G/L 22.79 maod Flange 22.54 maod
MAP OUTCROP - CORNBRASH

Core Description - J.A. Dickson

m BGL	Core	Drillers Log	Topsoil + Cornbrash
2		stiff brown Clay + Bldr.	Blisworth Clay
4		grey sand rock	
6			
8			
10		light grey sand rock	Gt Oolite Limest.
12			
14		lt. grey sand rock	
16			
18	412 core L.S.	grey sandy rock	Upper Estuarine
20		dark grey stiff Clay	
22			
24	412 core	Lincoln. Limestone	Lincs. Limestone
26	2.50		
28	2.70		
30	3.00		
32			
34	3.00		
36			
38	3.00		
40	3.00	Limestone and bands of Clay	
42			
44	3.00		
46	3.00		
48	3.00		

26.0m.

412 core
- ostrea-rich SHALY LIMESTONE
- then bioturbated sandy clayey LIMESTONE, few shells.

412 core
- grey oosparite LIMESTONE, some shells hard
- brown crumbly OOLITE LIMESTONE
- grey crumbly OOLITE LIMESTONE
- grey and brown bands oosparite; crossbedded, friable and hard bands.
- mainly grey fine grained LIMESTONE, scatt'd ooids, skel. debris
- brown and grey oomicrite, calcite-filled cavities, nerinid, trigonia, shelly, ool. pebbles, bec. fn grained LIMESTONE.
- grey OOLITE, buff pebbles w/ dark skins.
- grey oomicrite and Lime Mudstone, calc. shale band, bec. coated grains in L.mdst, then eed. boudinage paler areas w/ skeletal debris and black clay between brown L/m at base.
- banded grey oosparite and oomicrite.
- grey LIME MUDSTONE, soft w/ scatt'd ooids.
- grey crumbly oomicrite LIMESTONE with clayey base.
- grey lt shelly oomicrite then sandy LIME MUDSTONE.
- LIME MUDSTONE with ooids.
- grey oomicrite, clayey at top.
- grey LIME MUDSTONE w/ scatt'd ooliths, darker at base, more grains.
- oomicrite and Lime mudstone, squashed white bivalves.
- grey hard oomicrite, then lime mudstone, large shells and patches of ooids.
- hard sm. sed. boudinage, bits, clayey streaks.
- pl grey LIME MUDST, + oomicrite, mud patches.
- mainly grey Lime Mudstone, ooid patches, clayey in pts, scattered wht skeletal debris + squashed ooids at base.
- SHALE.
- grey CALCITE MUDSTONE, fine skeletal debris + chondrites; CALCITE MUDST and few ooids; pisolitic + skeletal layers in LIME MUDSTONE at base.
- thin brown band
- grey close-packed oomicrite LIMESTONE, clayey at bottom.
- grey and brown (interlocked) oomicrite LIMESTONE,
- clayey LIME MUDSTONE at base.
- grey patchy oomicrite and lime mudstone, bioturbated, scattered ooids.
- Black shale at base

Rec'd from A.W.A 12.5.79. Sited by ⊙ on 1" site map + on 6" Nat Grid Sheet.

TF05SE20

127/218 A

TF 0653/31

Blaxholm Exploratory

Ω

53.70m
TOTAL DEPTH.
(176'-2")



— grey Lime mudstone, sed bedding, clayey seams, scattered ooids and shells.

Limst + bands of Clay

Lias CLAY.

LR ESTUARINE?

Drilled by DRILLING + GEOSERVICES
2/9/1972 - 12/9/1972

W/L 12/11/1972 ... 7.5m.

9 boxes cores at Appleby core store

British Geological Survey

DICKSON.

BLOXHOLM (GD).

TF 0653/31

Depth (m)	Drillers Log	Lithology	Lincs. Limestone	Description
2		CLAY		STIFF BROWN, W/ BOULDERS.
4, 6, 8, 10	DRILLERS LOG.	GREY SANDY ROCK		
12, 14		LT GREY SAND ROCK		
16		A/A		
18		LIMESTONE		OSTREA-RICH, SHALY, BEC BIOTURBATED CLAYEY.
20	NO CORE	DARK GREY STIFF CLAY.		
SCALE CHANGE m 24	24.5		TOP LMT.	
25, 26, 27		OOLITIC LIMESTONES		HARD OOSPARRITE, SOME SHELLS, GREY AT TOP THEN BROWN. CRUMBLY OOLITE, BROWN THEN GREY, FRIABLE/HARD OOSPAR, BROWN/GREY BANDS.
28, 29		FG LIMESTONES + OOMICRITE		SCATT OOIDS, WHT SKELETAL DEBRIS; GREY W/ BROWN BANDS, BEC SHELLY.
30, 31, 32		LIMESTONE	LINCS. LIMESTONE	OOLITIC PEBBLY; GRANULAR; OOMIC; LIME MUDSTONE; SOME BOUDINAGE; BANDED OOSPARITE, X-BEDDED OOMICRITE. MAINLY GREY, BROWN BAND.
33		LIME MUDST.		SOFT, SCATTERED OOIDS.
34, 35		CRUMBLY OOMICRITE.		GREY. CLAYEY BASE.
36		LIME MDST.		SANDY; GREY; PRED HARD, MICACEOUS.
37, 38		OOMICRITE + LIME MDST.		GREY; SHALY IN PTS; SCATT OOLS IN LIME MUD; BEC DKR, ~~SHELLY~~, HARD. [SOME LARGE BIVALVES. IN NEXT]
39		LIME MDST		W/ OOIDS. SHELLY. GREY.
		A/A		BOUDINAGE; BLACK CLAYEY STRESS; [illegible]
40, 41		OOMICRITE + LIME MUDST.		PALE GREY, MUD PATCHES, SCATT SHELLS + SQUASHED OOIDS AT BASE.
42		SHALE		
43		CALCITE MUDSTONE		GREY, BROWN AT BASE. CHONDRITES + SKELETAL DEBRIS. FEW OOIDS. PISOLITIC LAYER.
44, 45, 46		OOMICRITE		CLOSE PACKED, BROWN AT TOP THEN ALL GREY, BEC MUDDY IN PATCHES.
47, 48		OOMICRITE		BROWN + GREY PATCHY; CRUMBLY IN PTS, CLAYEY TOWARDS BASE.
49		OOMICRITE + LIME MUDST.		PATCHY, BIOTURB, SCATT OOIDS. BLACK SHALE BASE.
50		LIME MUDST.		SED. BOUDINAGE; CLAY SEAMS; SCAT OOIDS + SHELLS
51	50.7 END CORE			

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Additional information

Bloxham 127/218 (b)

AWA production site

Information from AWA Sept. 1981

At the time that Ashby P.S. 114/99 (b + c) was producing waters of a nitrate content of c. 15 mg/l, the water produced at Bloxham was 3–4 mg/l lower. (? 1976) However, the yield at Bloxham was found to be inadequate.

ASR Sept. 1981

SP43NW

NGDC
ACCESSION
NUMBER
35266

British Geological Survey

See also JNV's log. GRID REF. TF 05331 ~~TF05SE/27~~ TF05SE/20

GROUNDWATER NITRATE POLLUTION RESEARCH BOREHOLE BLOXHOLM - AWA IGS

SAMPLE (AERE / AWA / Moist / PH PH)	DEPTH	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
	25					Grey	Fine grained impure limestone with large shells - c. 3cm diam. Hard & well cemented	
	26						Oolitic limestones with spary cement. Occasional shells. Ooliths even medium size & constitute 95% of limestone. Well cemented & hard.	
	27					Buff	oxidised portion either side of fissure.	Major fissure
						Grey	Oolitic limestones as above — towards base ooliths ↘ & shell % ↑	Buff edges to fissure
	28					Buff		
						Grey	Impure shelly limestones with minor oolith content in patches. Well cemented with spary calcite. Blue hearted with buff oxidised portion near fissures. Shell fragments up to 1cm	
						Buff		
	29					Grey	Oolitic limestones with many shell fragments up to 10%. Spary cemented and hard. Ooliths ↘ & shell % ↑ near base.	
							Fine grained impure shelly limestones - in places whole small branch shells up to 3cm diam. Spary cement. Becoming oolitic towards base	
	30							

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE BLOXHOLM – AWA

IGS

SAMPLE (AERE, AVA, Moist, PH PR)	DEPTH	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
	30					mid grey	Laminated clay band with small shell fragments	
						Light grey (with mottled buff patches)	Impure shelly limestone (minor oolith content at top) with micrite matrix but spary calcite cement. Often large whole shells set in skeletal debris. Hard & well cemented.	
	31							
	32					Buff		
						Light grey	Oolitic limestones with spary cement. In patches v. silty. Minor shell component. Ooliths banded in fining upward sequence in places.	
	33							
							Fine grained impure soft limestone. Occasional oolith	
							Friable oolitic limestone with spary calcite cement. Banded in fining upward sequences - marly parting in parts	
						Buff		
	34					Grey		
	35							
						mid grey	Laminated clay seam with shell fragments	
						grey	Oolitic limestone with intraclasts	
						mid grey	clay seams with shell fragments - flaggy	
							Oolitic limestone with spary cement & in patches much silt. Occasional shell fragments	
	36							

GROUNDWATER NITRATE POLLUTION RESEARCH

BOREHOLE Bloxham AWA

IGS

SAMPLE (AERE, AWA, Mast, PH PR)	DEPTH	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
	36					grey	oolitic limestones with Sparry cement for most part. In patches v. impure with silt up to 40%. Some parts rich in skeletal debris and large whole lamellibranch + gastropod shells (up to c. 4cm) Vugs filled with sparry calcite crystals	
	37						Impure fine grained limestones with occasional scattered oolliths + some shell debris. Hard + well cemented	
	38							
							Impure fine grained lmst with abundant shell debris. Minor oolith % which increases towards base Hard + cemented with spar	
	39					dark grey	laminated clay seam with much shell debris on laminae + scattered ooliths. Micaceous	
						grey	Fine grained limestone with scattered black ooliths (50%)	
							Fine grained porcellanous lmst with shell fragments + Thin marl seam with shell debris	
	40						Fine grained lmst + shells	
						dk grey	laminated marl seam with shell debris	
						grey	Impure fine grained limestone with scattered ooliths. V. hard. No shells	
	41							
							Very impure limestone Fine grained and laminated much shell debris aligned along laminae. Squashed ooliths minor %	
						dk grey	laminated clay seam with shell debris	
	42						v. fine grained porcellaneous lmst with very occasional ooliths (<1%)	

GROUNDWATER POLLUTION NITRATE RESEARCH

BOREHOLE BLOXHOLM – AWA

IGS

SAMPLE (AERE, AWA, Moist, PH PR)	DEPTH	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
	42					Grey	V. fine g. porcellanous lst as above	
							Fine grained limestone with scattered ooliths (10%) Clay pellets & reworked lst.	
	43						Fine grained impure limestones with laminated bands of shell fragments (2-3cm)	
						Buff	marly parting	
						Grey	Oolitic limestone with hard sparry cement. Silty matrix in patches	
	44							
	45						large shell 6cm replaced & infilled with calcite crystals.	
						mottled buff/grey	shell fragments become more abundant in oolitic lmst.	
	46					grey		
						mid grey	very coarse crumbly oolite with muddy matrix and mud pellets	
						Buff		
						Buff	Occasional shell fragments in med. sized oolitic lmst with sparry cement Hard limestone	
						Grey		
						Buff		
	47						crumbly oolite with vugs	
						Grey	Hard oolitic limestone with much clay in matrix	
						Buff		
	48					Buff		

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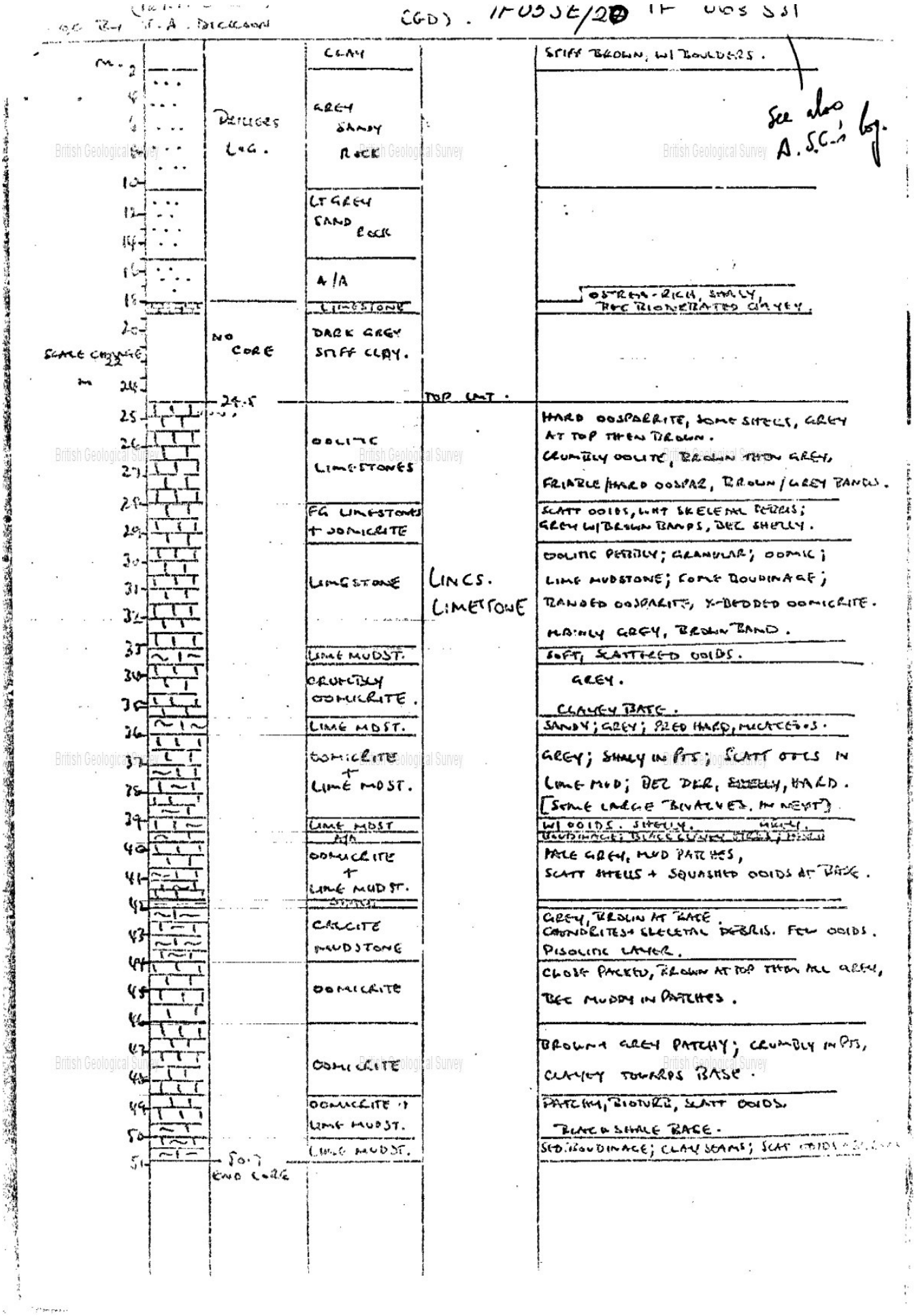
GROUNDWATER POLLUTION NITRATE RESEARCH BOREHOLE BLOXHOLM - AWA IGS

SAMPLE AERE	SAMPLE AWA	SAMPLE Moist	SAMPLE PH PR	DEPTH	DATE & TIME	CORE REC.	FRACTURE	GRAPHIC LOG	COLOUR	DESCRIPTIVE LOG	COMMENTS
				48					Buff	Oolitic limestone with fine grained matrix Hard & well cemented (sparry) Calcite infilled horizontal Vein (1cm diam) Major vertical fracture with Ferruginous deposit on walls Minor shell fragment component in patches	
									Grey		
									Buff		
				49						shelly clay rich band limestone.	
									Grey	Fine grained limestone with scattered oolths and approx 5% shell debris Hard & well cemented	
				50					Grey B	clay rich band with shell fragments	
									Lt Grey	Fine grained impure limestone with scattered oolths. Marly partings at top. Minor shell debris component	
				51							

(GD). TF05SE/20 TF 005 SSI

See also A.S.C.'s log.

Depth (m)	Drillers Log	Clay		Stiff brown, w/ boulders.
2–10		Grey sandy rock		
10–18		Lt grey sand rock		
18		A/A		
18		Limestone		Ostrea-rich, shaly, bec bioturbated clayey.
20–24	No core	Dark grey stiff clay.		
24.5			Top lmt.	
25–28		Oolitic limestones		Hard oosparrite, some shells, grey at top then brown. Crumbly oolite, brown then grey, friable/hard oospar, brown/grey bands.
28–29		FG limestones + oomicrite		Scatt ooids, wht skeletal debris; grey w/ brown bands, bec shelly.
30–32		Limestone	Lincs. Limestone	Oolitic pebbly; granular; oomic; lime mudstone; some boudinage; banded oosparite, x-bedded oomicrite. Mainly grey, brown band.
33		Lime mudst.		Soft, scattered ooids.
34–35		Crumbly oomicrite.		Grey. Clayey base.
36		Lime mdst.		Sandy; grey; pred hard, micaceous.
37–38		Oomicrite + lime mdst.		Grey; shaly in pts; scatt ooids in lime mud; bec dkr, shelly, hard. [Some large bivalves in next]
39		Lime mdst		w/ ooids. Shelly. Grey. Boudinage; black clayey [illegible]
40–41		A/A Oomicrite + lime mudst.		Pale grey, mud patches, scatt shells + squashed ooids at base.
42		Shaly		
43–44		Calcite mudstone		Grey, brown at base. Chondrites + skeletal debris. Few ooids. Pisolitic layer.
44–46		Oomicrite		Close packed, brown at top then all grey, bec muddy in patches.
47–48		Oomicrite		Brown + grey patchy; crumbly in pts, clayey towards base.
49–50		Oomicrite + lime mudst.		Patchy, bioturb, scatt ooids. Black shale base.
50–51		Lime mudst.		Sed. boudinage; clay seams; scat ooids [illegible]
50.7	End core			

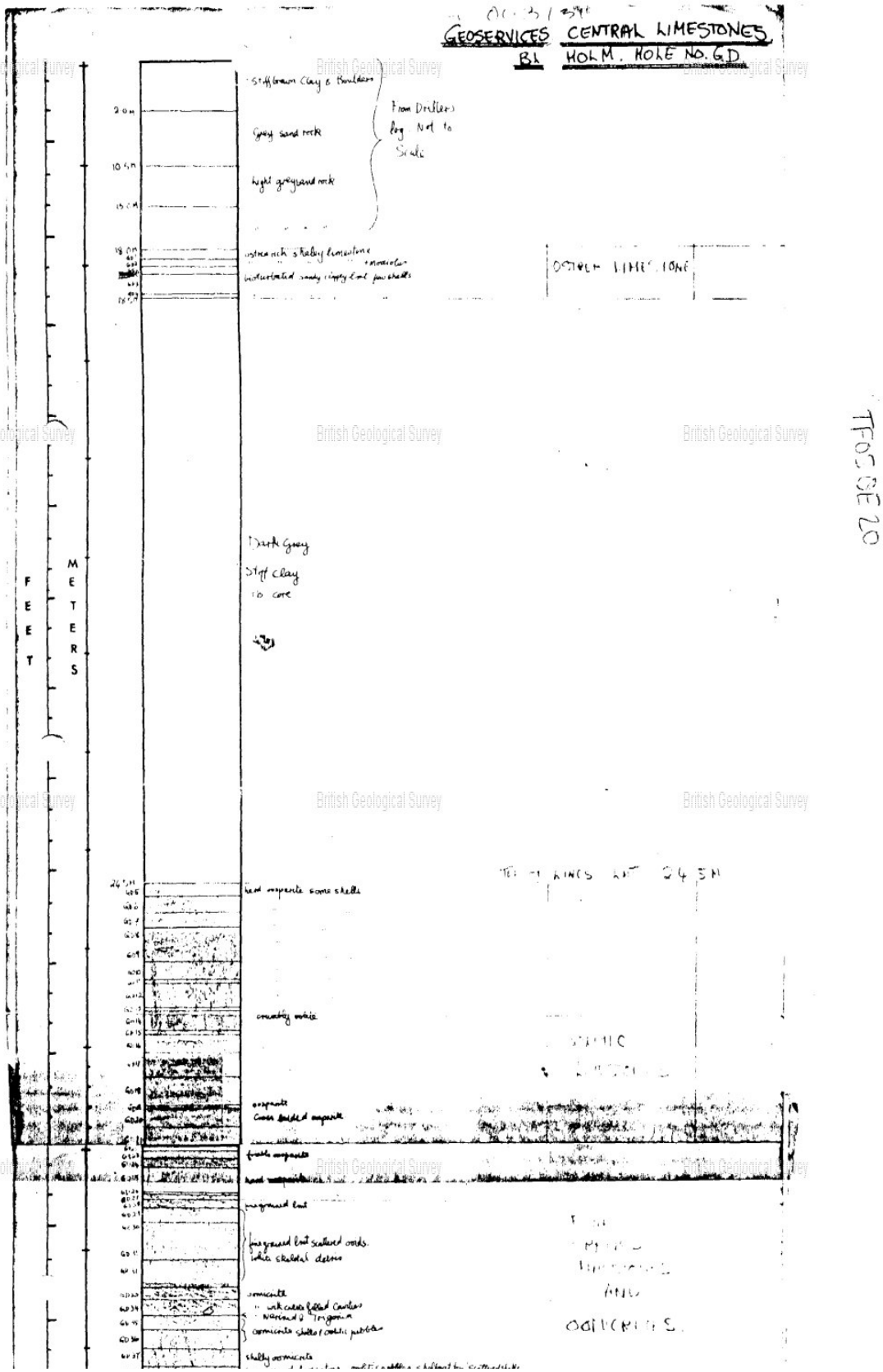


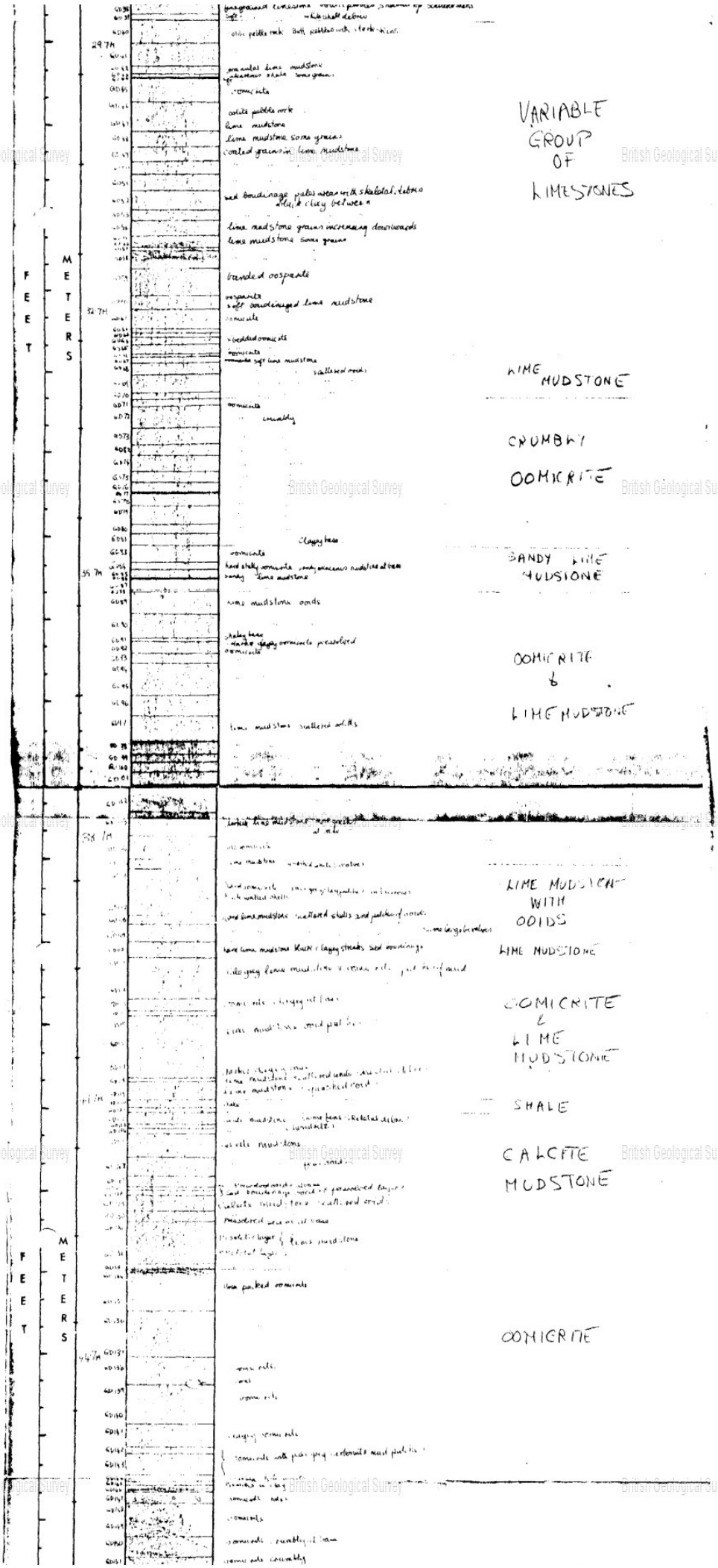
British Geological Survey

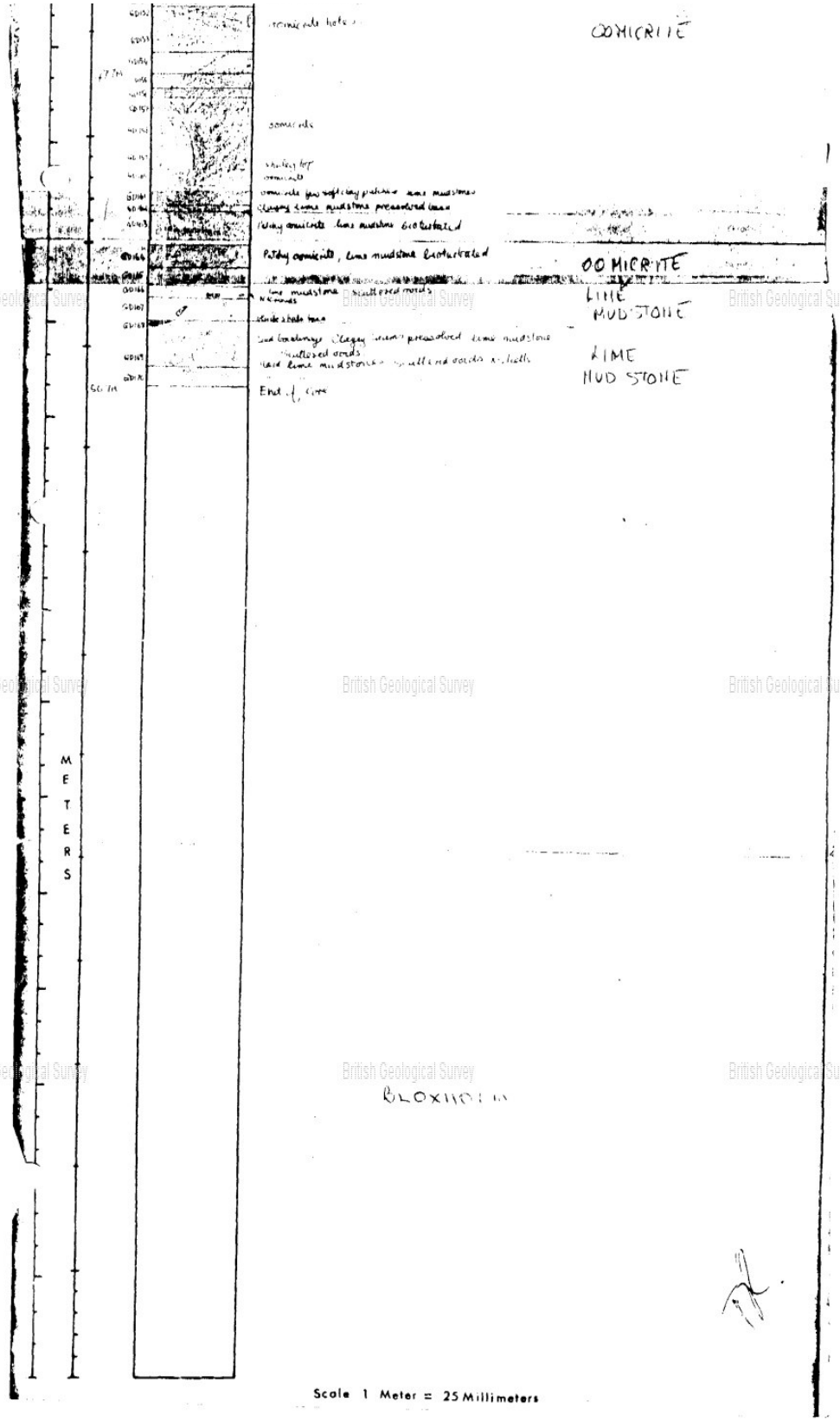
Version 2.0.6.6

BGS ID: 469137 : BGS Reference: TF05SE20
British National Grid (27700) : 506352,353112

Report an issue with this borehole




FEET
METERS
29.7M
32.7M
35.7M
38.7M
41.7M
44.7M
VARIABLE GROUP OF LIMESTONES
LIME MUDSTONE
CRUMBLY OOMICRITE
SANDY LIME MUDSTONE
OOMICRITE & LIME MUDSTONE
LIME MUDSTONE WITH OOIDS
LIME MUDSTONE
OOMICRITE & LIME MUDSTONE
SHALE
CALCITE MUDSTONE
OOMICRITE



British Geological Survey

British Geological Survey

Version 2.0.6.6

BGS ID: 469026 : BGS Reference: TF05NE17
British National Grid (27700) : 509541,358809

Report an issue with this borehole

RECORD of ~~WELL or~~ BORING (Nos. 19–29)

Survey No.
1" N.S. 114
1" O.S.

(Name of farm) Across the railway 1/4m the Lincolnshire Limestone, 9 mile S. of Lincoln.

Town, Village, &c. County Lincs Six-inch map

Exact site (unless a tracing from a map is supplied, give distance and direction from parish church, cross-roads, or other object shown on maps). Description of site made by G.W.D. from the (see tracing.) tracing and is on 1" scale. Popular Edition (Sheet of one-inch map. (Square

Surface level of ground ft. above Ordnance Datum. Well or Bore commenced at ft. below surface level of ground.

Sunk ft., diameter ft. Bored ft.; diameter of boring at top 6 in., at bottom 6 in.

Details of lining tubes (internal diameters preferred) All the bores were backfilled to take explosives (for the seismic method of geophysical survey)

Water struck at depths of (feet)

Rest-level of water below above top of well or bore ft. Pumping level ft. Time of recovery hours.

Suction at ft. depth. Yield: (i) on test galls. per, (ii) normal galls. per

Quality (attach copy of analysis if available)

Made by L. Cornah Sutcliff & Gill for Mr. D'Arcy Exploration Co Date of boring Nov.-Dec. 1950

Information from Mr. P.E. Kent (Anglo-Iranian Co)

(For Survey use only).

TF05 NE/14 +15

	THICKNESS.	DEPTH.

No. 24 + 25 Records of 1" not received. No. 24 was 64 chains W.N.W of Scopwick church, & just N. of the Navenby Road. No. 25 was 26 chains N by E of Scopwick church and 26 chains E of the Blankney road at the fork to Navenby + Lincoln.

TF05 NE/16

No. 26. Scopwick parish; on the boundary, 78 chains E.N.E of Scopwick church and about 9 chains W.S.W of "Scopwick Lodge Fm." [another near Scopwick Lodge & bore 23]. O.D. [just below 50' contour] say 49'. No water struck

	Metres		Metres
Mould	0 5	6	60
Sand & stones	1 3	1	90·53
Limestone	5 52	6	92·06
Mottled clay	20 61	8	92·67
Clay	34 96	45	14·63
Hard sandy clay	123 66	60	18·29

Comb rock

"Bore is in Combrash over Upper Lst. ? Upper Lst. is Oolitic Lst"

TF05NE17 MARTIN PARISH BORE NO. 27 TF 09541 58809

TF05 NE/17

No. 27. Martin parish, on the Timberland boundary. 8 chains E of the railway and 37 chains N. by E of bridge (or level crossing ?) at Scopwick Station O.D. (just below 25' contour) say 24'. Rest water-level 3 ft. down.

Top soil	1 —	1 —	
Mottled clay	39 89	40	12·19
Blue sandy clay	20 60	60	18·29

"? Kellaways under B. Clay. [If so] Chr. is here -35' [or less], but if as in + 47' O.D. in No. 26 — giving dip of 83' per 3/4 mile = 112 ft. per mile."

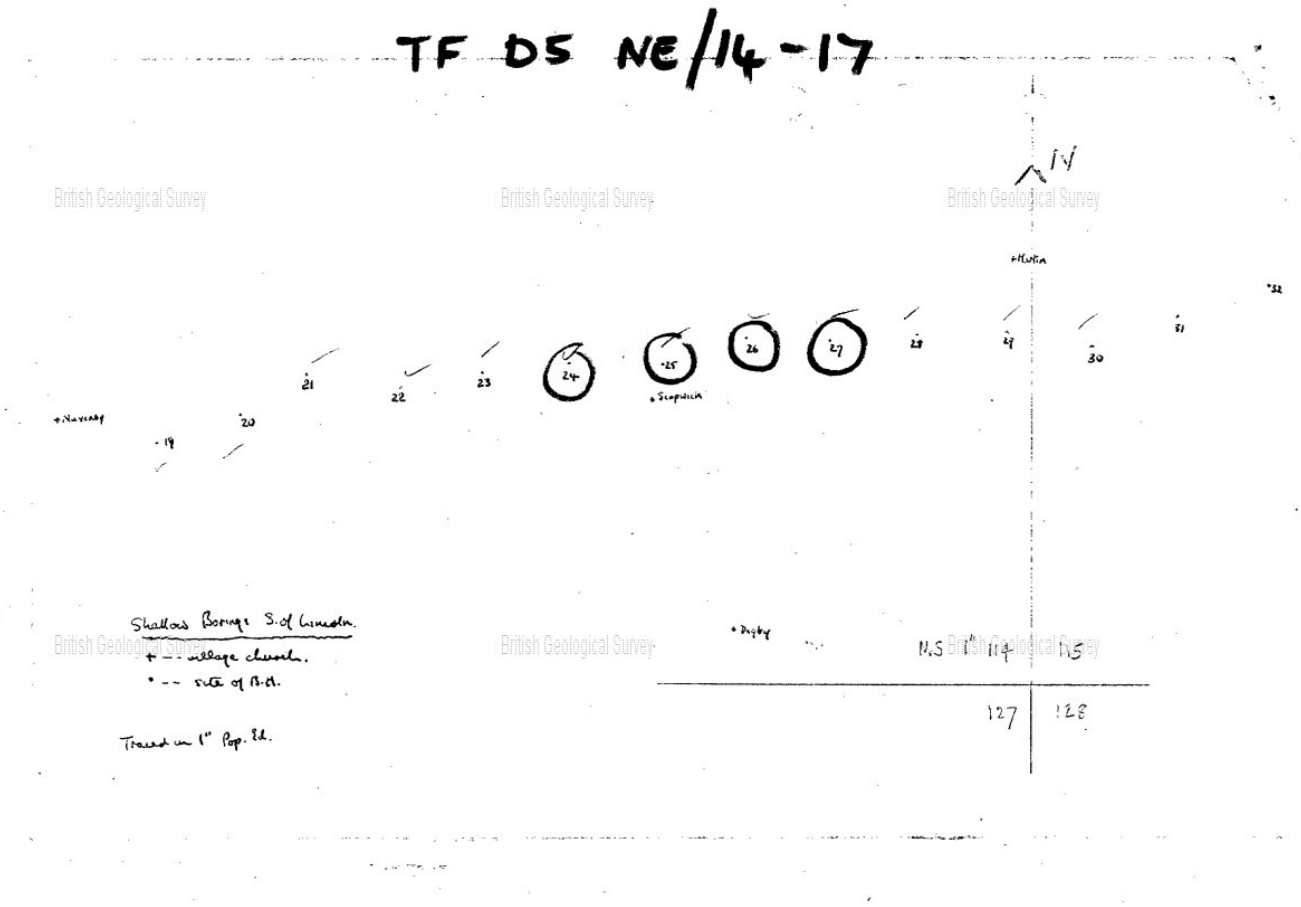
British Geological Survey

Version 2.0.6.6

BGS ID: 469026 : BGS Reference: TF05NE17
British National Grid (27700) : 509541,358809

Report an issue with this borehole

<< < Prev Page 2 of 2 Next > >>

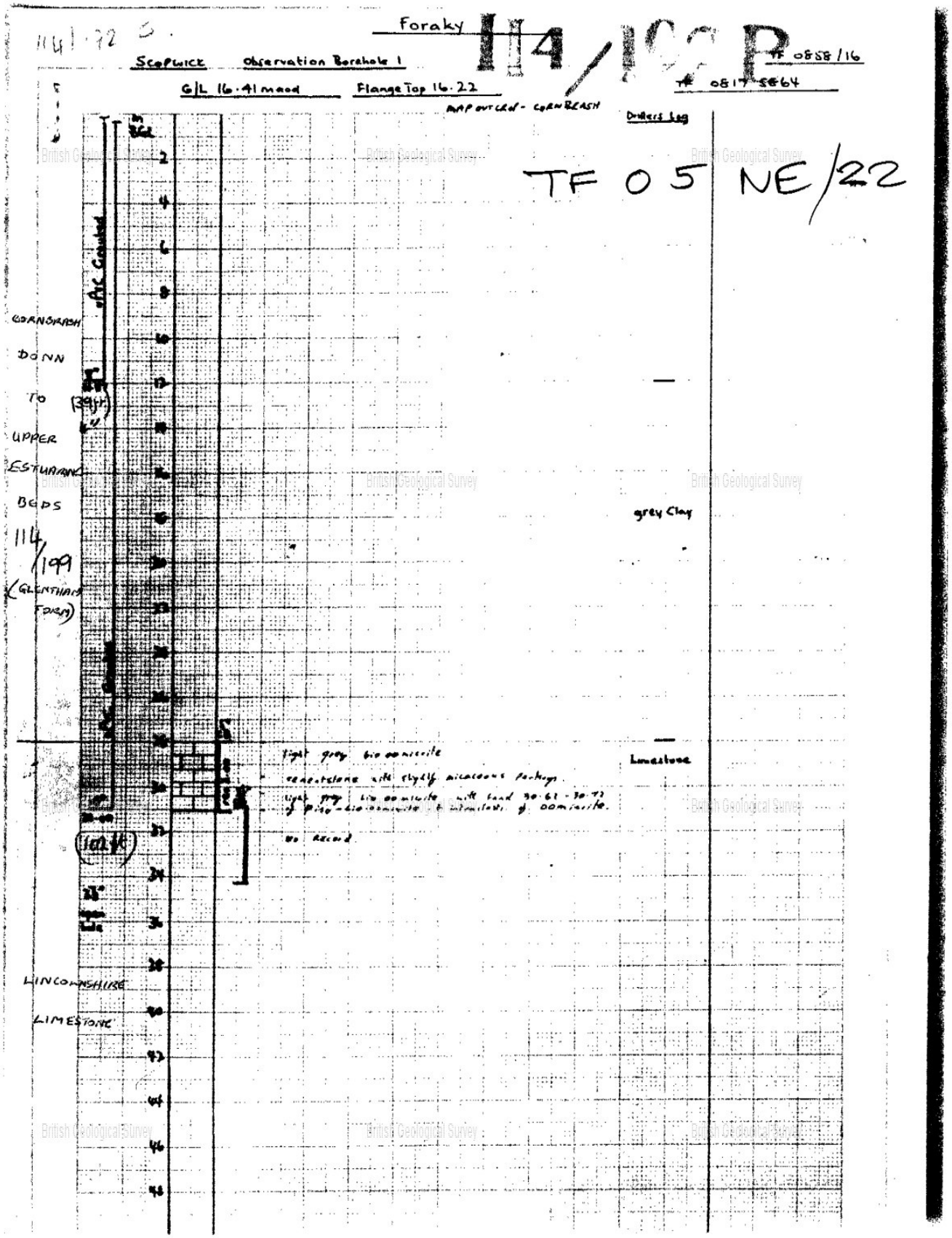


British Geological Survey

Version 2.0.6.6

BGS ID: 469031 : BGS Reference: TF05NE22
British National Grid (27700) : 508170,358640

Report an issue with this borehole

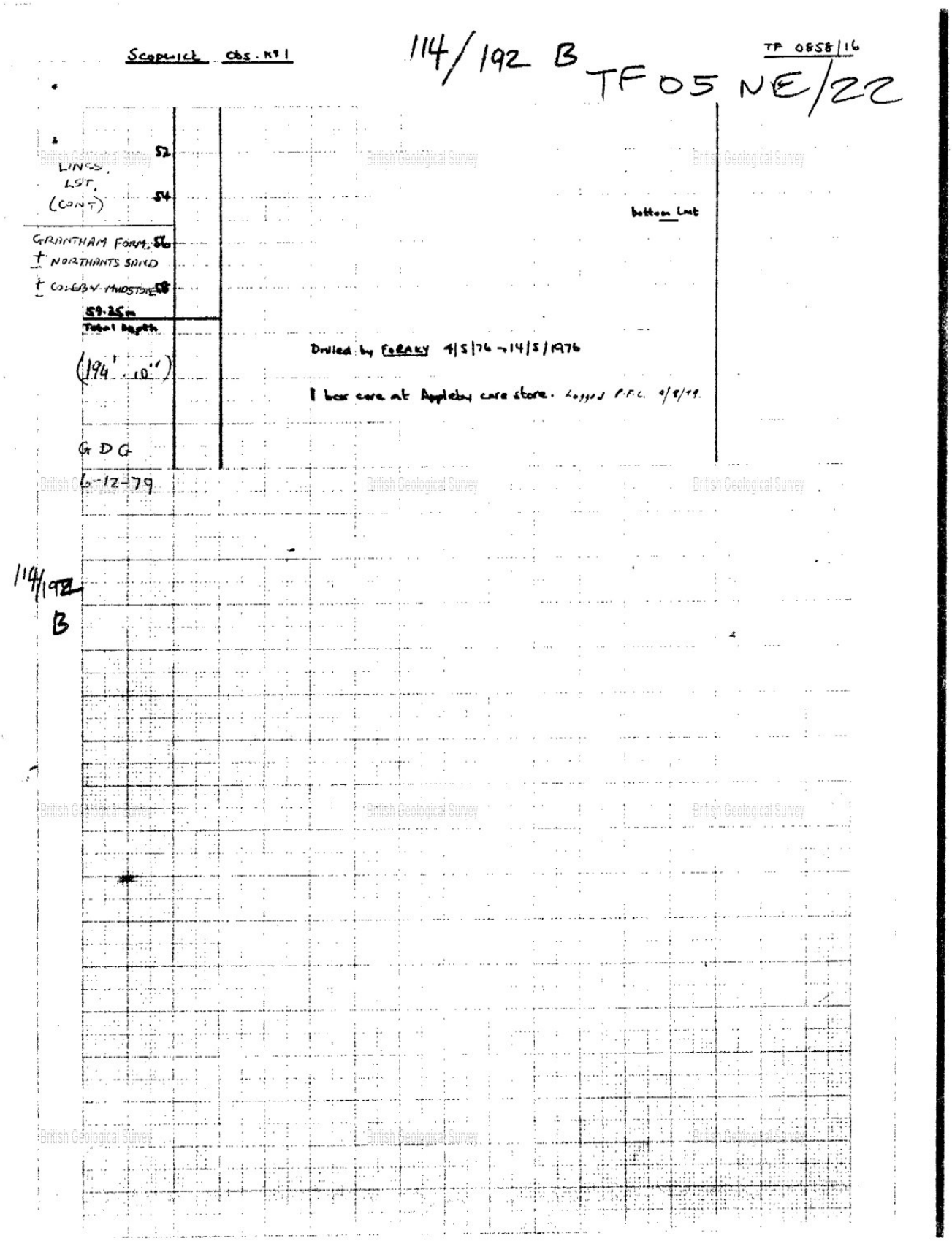


British Geological Survey

Version 2.0.6.6

BGS ID: 469031 : BGS Reference: TF05NE22
British National Grid (27700) : 508170,358640

Report an issue with this borehole



British Geological Survey

Version 2.0.6.6

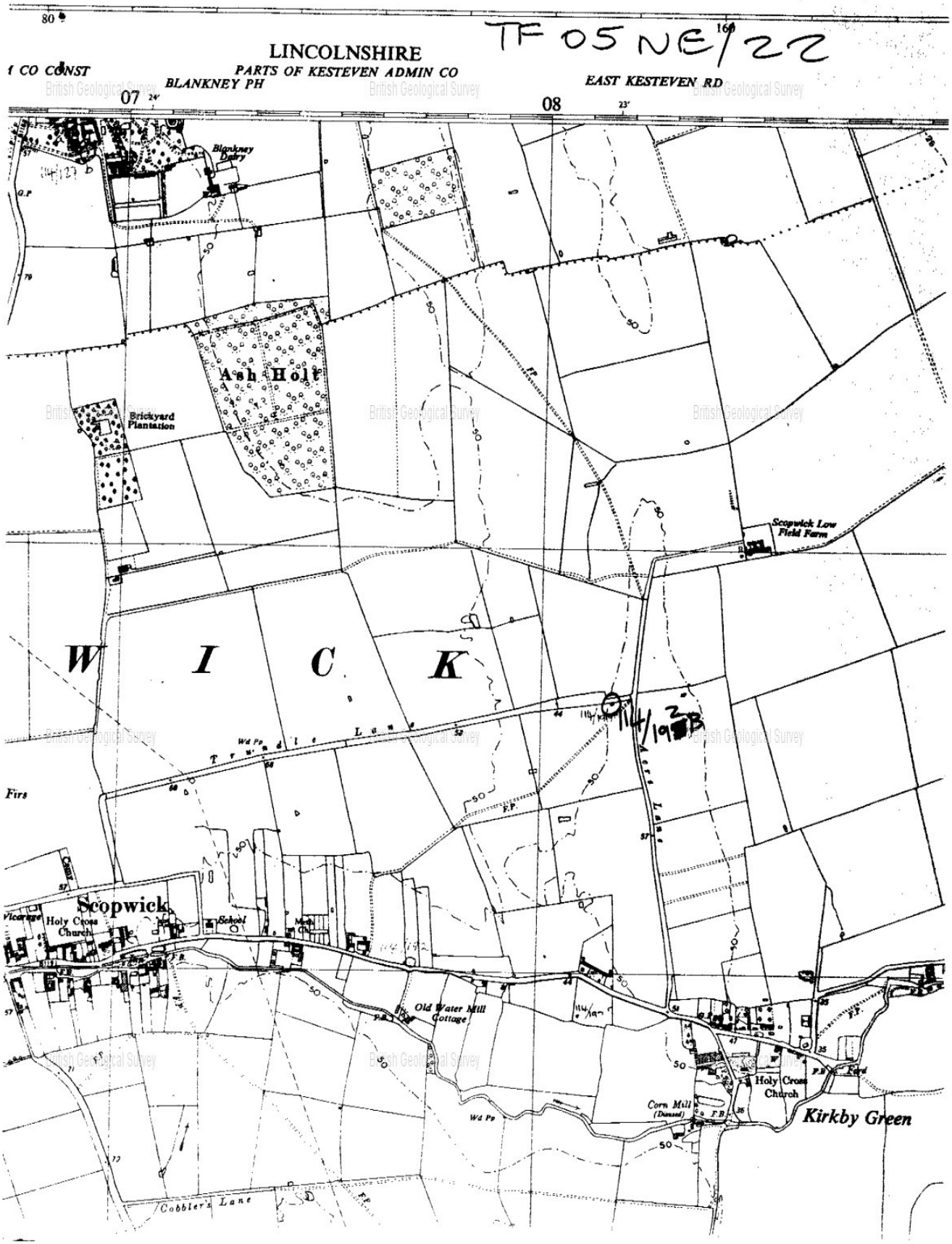
BGS ID: 469031 : BGS Reference: TF05NE22
British National Grid (27700) : 508170,358640

Report an issue with this borehole

Scale 1:10,560 or 6 Inches to 1 Mile

Provisional

TF 05 NE/22



British Geological Survey

Version 2.0.6.6

BGS ID: 469031 : BGS Reference: TF05NE22
British National Grid (27700) : 508170,358640

Report an issue with this borehole

TF05/45

TF 05 58/16

Scopwick obs. no 1

114/192 B

LINCOLNSHIRE LIMESTONE (CONT.) 52 54

bottom Unit

GRANTHAM FM + NORTHAMPTON SAND + COCKBY MUDSTONE 56 58

59.25m Total depth

(194'.10")

Drilled by FORAMY 4/5/74 - 14/5/1974

1 box core at Appleby core store. Logged P.F.C. 9/9/79

PBR. G.D.G. 5.12.79.

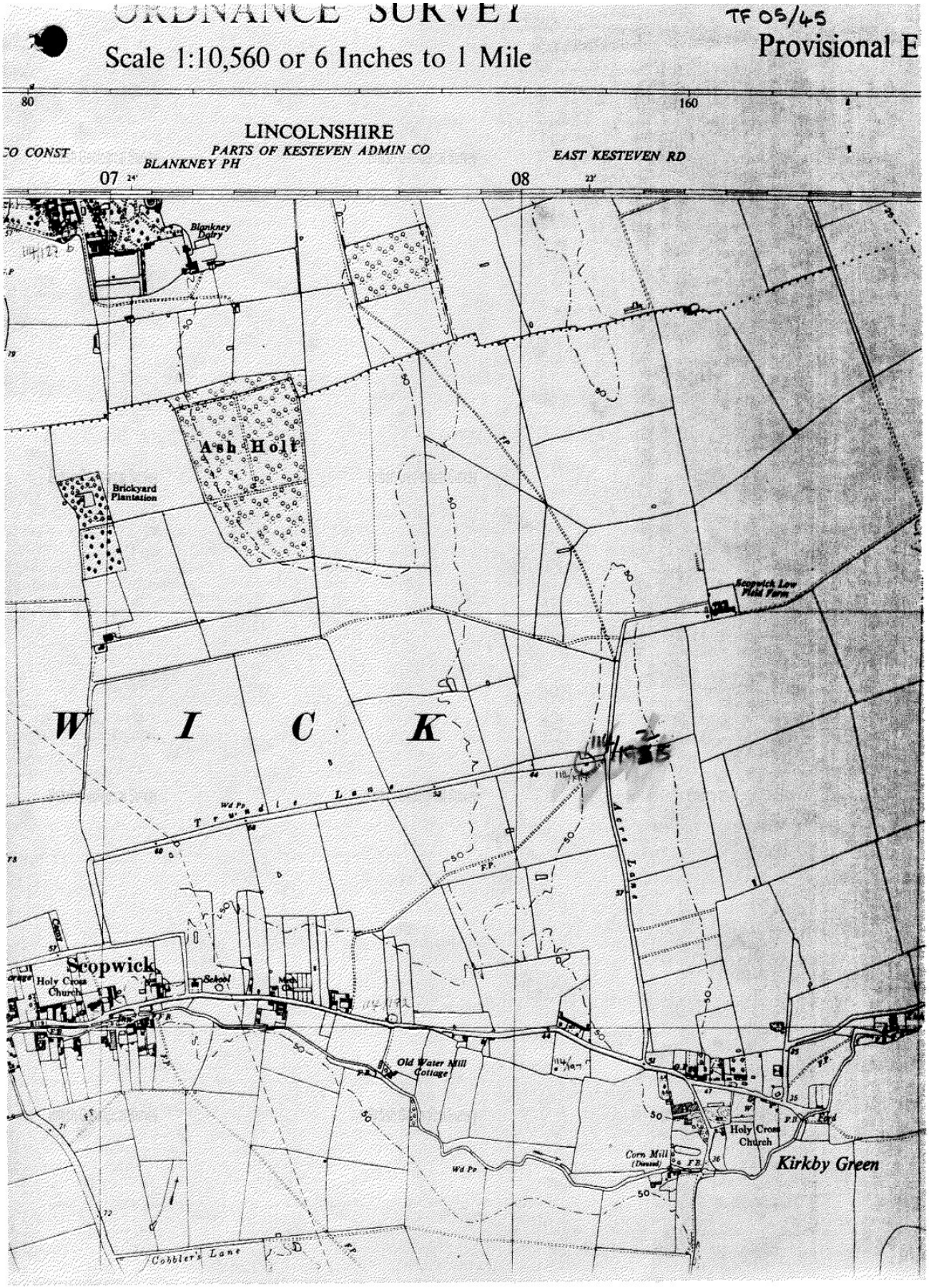
114/192 B

British Geological Survey

Version 2.0.6.6

BGS ID: 469031 : BGS Reference: TF05NE22
British National Grid (27700) : 508170,358640

Report an issue with this borehole


ORDNANCE SURVEY
TF 05/45
Provisional E
Scale 1:10,560 or 6 Inches to 1 Mile
80
160
LINCOLNSHIRE
PARTS OF KESTEVEN ADMIN CO
BLANKNEY PH
EAST KESTEVEN RD
07
08
Blankney Dairy
Ash Holt
Brickyard Plantation
Scopwick Low Field Farm
W I C K
Scopwick
Holy Cross Church
School
Old Water Mill Cottage
Holy Cross Church
Corn Mill (Disused)
Kirkby Green
Cobbler's Lane

APPENDIX F SITE RECONNAISSANCE PHOTOGRAPHS

APPENDIX F SITE RECONNAISSANCE PHOTO LOG

PHOTOGRAPHIC LOG

Photo no.	**Date:**
1	20/10/2022

South west

Description:

Zone M9 - Minor road running onto the site.



Photo No.	**Date:**
2	20/10/2022

North west

Description:

Zone M9 - Overhead services running along the northern site boundary.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
3	20/10/2022

East

Description:

Zone M9 - Residential home which does not form part of the site.



Photo No.	**Date:**
4	20/10/2022

South East

Description:

Zone M9/M5 - Area subject to tree planting



PHOTOGRAPHIC LOG

Photo no.	**Date:**
5	20/10/2022

North west



Description:

Zone M9/M5 - Field forming part of the site. Farmhouse in the distance does not form part of the site.

Photo No.	**Date:**
6	20/10/2022

North east

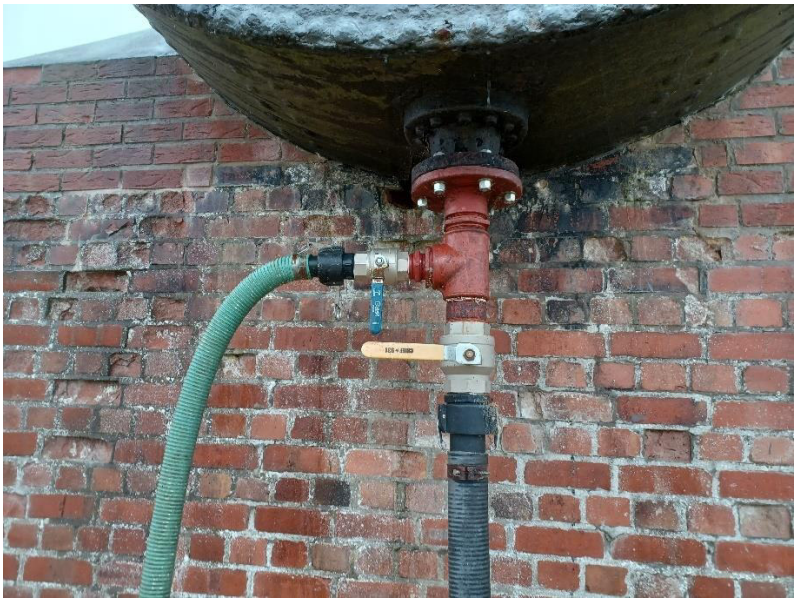


Description:

Zone M5 - Water tank does not form part of the site boundary

PHOTOGRAPHIC LOG

Photo no.	**Date:**
7	20/10/2022



Description:

Zone M5 - Tap on water tank

Photo No.	**Date:**
8	20/10/2022



South

Description:

Zone M5 - View of water tank

PHOTOGRAPHIC LOG

Photo no.	**Date:**
9	20/10/2022

South east

Description:

Zone M5 - Remnants from a bonfire and a barn. This area doesn't form part of the site.



Photo No.	**Date:**
10	20/10/2022

South

Description:

Zone M5 - Services noted



PHOTOGRAPHIC LOG

Photo no.	**Date:**
11	20/10/2022

South west

Description:

Zone M5 - View across field which forms part of the site.



Photo No.	**Date:**
12	20/10/2022

East

Description:

Zone M6 - Railway line running adjacent to the site on the eastern boundary.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
13	20/10/2022

South west

Description:

Zone M5 - View across field which forms part of the site.



Photo No.	**Date:**
14	20/10/2022

West

Description:

Zone M5 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
15	20/10/2022

South west



Description:

Zone M5/M1 - View across field which forms part of the site. Overhead services noted running across the site.

Photo No.	**Date:**
16	20/10/2022

South east



Description:

Zone M5/M6 - View across field which forms part of the site.

PHOTOGRAPHIC LOG

Photo no.	**Date:**
17	20/10/2022

South east

Description:

Zone M2 - View across field which forms part of the site.



Photo No.	**Date:**
18	20/10/2022

South west

Description:

Zone M1 - View across field which forms part of the site. Overhead services noted running across the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
19	20/10/2022

South west

Description:

Zone J14 - View across field which forms part of the site. Overhead services noted running across the site.



Photo No.	**Date:**
20	20/10/2022

West

Description:

Zone J14 - Small footbridge over drainage ditch.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
21	20/10/2022

East

Description:

Drainage ditch running between fields, and overhead services crossing the site.



Photo No.	**Date:**
22	20/10/2022

South east

Description:

Zone J14 - View across field which forms part of the site. Overhead services noted running across the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
23	20/10/2022

West

Description:

Zone J13 - View across field which forms part of the site.



Photo No.	**Date:**
24	20/10/2022

South west

Description:

Zone J9 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
25	20/10/2022

South east

Description:

Zone J13 - View across field which forms part of the site.



Photo No.	**Date:**
26	20/10/2022

West

Description:

I16 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
27	20/10/2022

South west

Description:

Zone I12 - View across field which forms part of the site.



Photo No.	**Date:**
28	20/10/2022

North west

Description:

Zone I16 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
29	20/10/2022



Description:

Zone I16 - Underground service.

Photo No.	**Date:**
30	20/10/2022



North west

Description:

Zone M1/L4 - Overhead services noted running across the site.

PHOTOGRAPHIC LOG

Photo no.	**Date:**
31	20/10/2022

North east

Description:

Zone M1 - Barn which is part of Scopwick Low Field Farm. This building is not included within the site boundary.



Photo No.	**Date:**
32	20/10/2022

East

Description:

Zone J13 - Buildings which are part of Scopwick Low Field Farm. These structures are not included within the site boundary.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
33	20/10/2022

North west

Description:

Zone I16 - View across field which forms part of the site.



Photo No.	**Date:**
34	20/10/2022

North west

Description:

Zone L4 - View across field which forms part of the site. Overhead services noted.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
35	20/10/2022

North

Description:

Zone L3/L4 - View across field which forms part of the site, with some waterlogging observed.



Photo No.	**Date:**
36	20/10/2022

South west

Description:

Zone I15 - Underground service covers noted.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
37	20/10/2022



Description:

Zone I15 - Underground service covers noted.

Photo No.	**Date:**
38	20/10/2022

South west



Description:

Zone I15 - Borehole noted.

PHOTOGRAPHIC LOG

Photo no.	**Date:**
39	20/10/2022

South west

Description:

Zone I15 - View across field which forms part of the site.



Photo No.	**Date:**
40	20/10/2022

South east

Description:

Zone I15 - Pylons noted running across the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
41	20/10/2022

West

Description:

Zone I14 - View across field which forms part of the site.



Photo No.	**Date:**
42	20/10/2022

North

Description:

Zone I14 - View across field which forms part of the site. Pylons noted running across the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
43	20/10/2022

West

Description:

Zone I14/I15 - View across field which forms part of the site. Pylons noted running across the site.



Photo No.	**Date:**
44	20/10/2022

East

Description:

Zone L3 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
45	20/10/2022

South

Description:

Zone L2 - View across field which forms part of the site.



Photo No.	**Date:**
46	20/10/2022

East

Description:

Zone L6/L2 - View across field which forms part of the site. The building noted in the distance does not form part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
47	20/10/2022

South

Description:

Zone L7/L3 - View across field which forms part of the site. Overhead services noted running across the site.



Photo No.	**Date:**
48	20/10/2022

East

Description:

Zone L3 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
49	20/10/2022

North west

Description:

Zone L8 - View across field which forms part of the site.



Photo No.	**Date:**
50	20/10/2022

North

Description:

Zone – L8 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
51	20/10/2022

South east

Description:

Zone L4/M1 - View across field which forms part of the site.



Photo No.	**Date:**
52	20/10/2022

North

Description:

Zone L8 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
53	20/10/2022

East

Description:

Zone M5 - Barn structure which does not form part of the site.



Photo No.	**Date:**
54	20/10/2022

North east

Description:

Zone M5 - Barn structure which does not form part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
55	20/10/2022

South

Description:

Zone L8/L12 - View across field which forms part of the site.



Photo No.	**Date:**
56	20/10/2022

North east

Description:

Zone I10 - View across field which forms part of the site. Residential homes do not form part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
57	20/10/2022

North

Description:

Zone I9 - Pumping Station



Photo No.	**Date:**
58	20/10/2022

West

Description:

Zone I9 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
59	20/10/2022



Description:

Zone I9 - Small structures noted.

Photo No.	**Date:**
60	21/10/2022



North west

Description:

Zone I9/H12 - View across field which forms part of the site.

PHOTOGRAPHIC LOG

Photo no.	**Date:**
61	21/10/2022

West

Description:

Zone I9/H12 - View across field which forms part of the site. Underground services noted.



Photo No.	**Date:**
62	21/10/2022

North

Description:

Zone H8 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
63	21/10/2022

North

Description:

Zone H4 - Entrance to an Autism Care Centre adjacent to the site.



Photo No.	**Date:**
64	21/10/2022

South west

Description:

Zone I5 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
65	21/10/2022

South west

Description:

Zone I5 - View across field which forms part of the site.



Photo No.	**Date:**
66	21/10/2022

East

Description:

Zone I5 - An area of tree planting, saplings visible.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
67	21/10/2022

South west

Description:

Zone I5 - View across field which forms part of the site.



Photo No.	**Date:**
68	21/10/2022

South east

Description:

Zone I5 - View across field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
69	21/10/2022

East

Description:

Zone I5 - Barn structure which does not form part of the site.



Photo No.	**Date:**
70	21/10/2022

Description:

Zone I5 - Barn structure which does not form part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
71	21/10/2022

South west

Description:

Zone I5 - Stockpiles adjacent to the barn which doesn't form part of the site.



Photo No.	**Date:**
72	21/10/2022

South east

Description:

Zone I5/I1 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
73	21/10/2022

North

Description:

Zone I6 - Gas pipeline marker noted.



Photo No.	**Date:**
74	21/10/2022

North

Description:

Zone I6 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
75	21/10/2022

South east

Description:

Zone I6/I2 - View of field which forms part of the site.



Photo No.	**Date:**
76	21/10/2022

East

Description:

Zone I6 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
77	21/10/2022

East

Description:

Zone I7/I10 - View of field which forms part of the site.



Photo No.	**Date:**
78	21/10/2022

South west

Description:

Zone I1 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
79	21/10/2022

East

Description:

Zone I1 - View of field which forms part of the site.



Photo No.	**Date:**
80	21/10/2022

South west

Description:

Zone I1/H4 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
81	21/10/2022

West

Description:

Zone H4 - View of field which forms part of the site.



Photo No.	**Date:**
82	21/10/2022

South west

Description:

Zone H4 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
83	21/10/2022

East

Description:

Zone F13 - View of field which forms part of the site.



Photo No.	**Date:**
84	21/10/2022

West

Description:

Zone F13 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
85	21/10/2022

South

Description:

Zone F13 - View of field which forms part of the site.



Photo No.	**Date:**
86	21/10/2022

South east

Description:

Zone F13 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
87	21/10/2022

South

Description:

Zone F13/F9 - View of field which forms part of the site.



Photo No.	**Date:**
88	21/10/2022

South

Description:

Zone E16 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
89	21/10/2022

North

Description:

Zone E16 - View of field which forms part of the site. Overhead services present running across the site.



Photo No.	**Date:**
90	21/10/2022

North

Description:

Zone E16 - Small asphalt stockpile located on hardstanding.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
91	21/10/2022

North west



Description:

Zone E16 - View of field which forms part of the site.

Photo No.	**Date:**
92	21/10/2022

South west



Description:

E16 - Residential property adjacent to the site.

PHOTOGRAPHIC LOG

Photo no.	**Date:**
93	21/10/2022

West

Description:

Zone E16/E15 - View of field which forms part of the site.



Photo No.	**Date:**
94	21/10/2022

North west

Description:

Zone E15 - Gas tap observed



PHOTOGRAPHIC LOG

Photo no.	**Date:**
95	21/10/2022

West

Description:

Zone E15 - View of field which forms part of the site.



Photo No.	**Date:**
96	21/10/2022

N/A

Description:

Zone E15 - Gas tap observed



PHOTOGRAPHIC LOG

Photo no.	**Date:**
97	21/10/2022

West

Description:

Zone E14/E15 - View of field which forms part of the site.



Photo No.	**Date:**
98	21/10/2022

North

Description:

Zone E14 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
99	21/10/2022

East

Description:

Zone H2 - Haybale stacks.



Photo No.	**Date:**
100	21/10/2022

North west

Description:

Zone H2 - Haybale stacks.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
101	21/10/2022

North west

Description:

Zone H2 - View of field which forms part of the site. The buildings in the distance do not form part of the site.



Photo No.	**Date:**
102	21/10/2022

South west

Description:

Zone E13/E14 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
103	21/10/2022

South west

Description:

Zone E13 - View of field which forms part of the site.



Photo No.	**Date:**
104	21/10/2022

East

Description:

Zone E9 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
105	21/10/2022

South east

Description:

Zone E10 - View of field which forms part of the site.



Photo No.	**Date:**
106	21/10/2022

East

Description:

Zone E9 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
107	21/10/2022

N/A

Description:

Zone E9 - Underground service noted.



Photo No.	**Date:**
108	21/10/2022

South

Description:

Zone E9 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
109	21/10/2022

South west

Description:

Zone E9/E5 - View of field which forms part of the site. Pylons are visible running across the site.



Photo No.	**Date:**
110	21/10/2022

East

Description:

Zone E5/E6 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
111	21/10/2022

South

Description:

Zone E5 - View of field which forms part of the site. Pylons visible running across the site.



Photo No.	**Date:**
112	21/10/2022

East

Description:

Zone E5/E6 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
113	21/10/2022

South west

Description:

Zone E1 - View of field which forms part of the site.



Photo No.	**Date:**
114	21/10/2022

South east

Description:

Zone E1/E2 - View of field which forms part of the site. The buildings in the distance do not form part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
115	21/10/2022

North west



Description:

Zone B13/B14 - View of field which forms part of the site. Pylons visible running through the site.

Photo No.	**Date:**
116	21/10/2022

South west



Description:

Zone B13/B14 - View of field which forms part of the site. Overhead services visible running through the site.

PHOTOGRAPHIC LOG

Photo no.	**Date:**
117	21/10/2022

South

Description:

Zone B14 - View of field which forms part of the site. Pylons visible running through the site.



Photo No.	**Date:**
118	21/10/2022

South

Description:

Zone B14 - View of field which forms part of the site. Pylons visible running through the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
119	21/10/2022

South

Description:

Zone B15 - View of field which forms part of the site. Pylons visible running through the site.



Photo No.	**Date:**
120	21/10/2022

East

Description:

Zone B15 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
121	21/10/2022

West

Description:

Zone E2 - View of field which forms part of the site. Pylons visible running through the site.



Photo No.	**Date:**
122	21/10/2022

South east

Description:

Zone E2/E7/E3 - View of field which forms part of the site. Overhead services visible running through the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
123	21/10/2022

North east



Description:

Zone E7 - View of field which forms part of the site. Overhead services visible running through the site.

Photo No.	**Date:**
124	21/10/2022

South east



Description:

Zone E3 - View of field which forms part of the site.

PHOTOGRAPHIC LOG

Photo no.	**Date:**
125	21/10/2022

North

Description:

Zone E7 - View of field which forms part of the site. Buildings in the distance do not form part of the site.



Photo No.	**Date:**
126	21/10/2022

North

Description:

Zone B13 - View of field which forms part of the site. Pylons visible running through the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
127	21/10/2022

North

Description:

Zone B13/A16 - View of field which forms part of the site. Pylons visible running through the site.



Photo No.	**Date:**
128	21/10/2022

West

Description:

Zone A16 - View of field which forms part of the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
129	21/10/2022

North east

Description:

Zone A16 - An area of hardstanding. Pylons visible running through the site.



Photo No.	**Date:**
130	21/10/2022

Description:

Zone E1 - View of fields which form part of the site. Pylons visible running through the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
131	21/10/2022



Description:

Zone E1 - Agricultural loading/storage area. Haybales visible.

Photo No.	**Date:**
132	21/10/2022



North

Description:

Zone E5/D8 - View of field which forms part of the site.

PHOTOGRAPHIC LOG

Photo no.	**Date:**
133	21/10/2022

South

Description:

Zone D12 - View of field which forms part of the site. Pylons visible running across the site.



Photo No.	**Date:**
134	21/10/2022

North west

Description:

Zone D12 - View of field which forms part of the site. Pylons visible running across the site.



PHOTOGRAPHIC LOG

Photo no.	**Date:**
135	21/10/2022

North east

Description:

Zone D11 - Pylons visible running across the site.



APPENDIX G TECHNICAL BACKGROUND

G1 Desk Study

Aquifer designation and Source protection zones

Principal aquifer: layers of rock or drift deposit that have high intergranular and/or fracture permeability (usually providing a high level of water storage). They may support water supply and/or river base flow on a strategic scale.

Secondary A aquifer: permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

Secondary B aquifer: predominantly lower permeability layers that may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

Secondary undifferentiated aquifer: it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both a minor and non-aquifer in different locations owing to the variable characteristics.

Unproductive' strata: low permeability with negligible significance for water supply or river base flow.

The EA generally adopts a three-fold classification of source protection zones (SPZ) surround abstractions for public water supply. The Site is situated in an area defined as follows:

- Zone 1 or the 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time from any point below the water table to the source. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source
- Zone 2 or the 'outer protection zone' is defined by a 400-day travel time from a point below the water table to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants
- Zone 3 or the 'total catchment' is the area around the source within which all groundwater recharge is presumed to be discharged at the source.

Preliminary risk assessment methodology

LCRM outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) contaminant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the

likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the table below.

		Consequences			
		Severe	**Medium**	**Mild**	**Minor**
Probability	**Highly likely**	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required
- high: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term
- moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term
- low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild
- very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.

APPENDIX H PRELIMINARY UXO ASSESSMENT

STAGE 1 PRELIMINARY UXO RISK ASSESSMENT

REPORT REF: PRA-22-1948 | Revision: 0

Client: RSK
Project: Land at Ashby de la Launde and Scopwick, Lincolnshire
Date: 08/11/2022

BRIMSTONE SITE INVESTIGATION
Suite 6, Delta House, Laser Quay,
Culpeper Close, Rochester, ME2 4HU
0207 117 2492
www.brimstoneuxo.com

INTRODUCTION

The Stage 1 Preliminary Risk Assessment is an initial screening assessment designed to highlight any sources of unexploded ordnance (UXO) with the potential to contaminate a given site.

The aim of the Stage 1 assessment is to identify or discount the need for further detailed research - a Stage 2 Detailed UXO Risk Assessment.

This desktop assessment has been researched and written by a dedicated Researcher / Risk Assessor and produced in accordance with the CIRIA C681 Guidelines: 'Unexploded Ordnance, a Guide for the Construction Industry' (published in 2009).

In preparation for this assessment, original wartime records, historic OS mapping and the *Brimstone UXO Sources Database* have been reviewed. The latter incorporates multiple datasets plotting the positions of a variety of domestic military sites and confirmed historic German bombing targets.

The Stage 1 Preliminary Risk Assessment considers the following:

1. The Proposed Works
2. Enemy Action during WWI and WWII
3. British / Allied Military Activity
4. Historic Site Occupancy
5. Risk Mitigating Factors

THE SITE

The Site (approximately centred on the National Grid Reference TF 05010 55383) is located in Lincolnshire, between Metheringham and Cranwell Village. The Site measures approximately 10.1km from its most south-western and north-eastern points.
The Site comprises a large area of almost entirely undeveloped open ground, likely used agriculturally, as well as several wooded areas. Roadways and groups of farm buildings are also interspersed throughout the Site.
The Site is largely bound by similar terrain; open land likely used for farming. Railway sidings bind a section of the Site to the east, and the villages of Blankney, Scopwick, Kirkby Green and Ashby de la Launde are also located in relatively close proximity to the Site boundary. RAF Digby, a current military base, is situated to the immediate west of the Site.



THE PROPOSED WORKS

While GI works will be carried out on Site in the future, no information regarding the specific works was available at the time of writing.
Development works on Site comprise the construction of a solar farm.

ENEMY ACTION DURING WWI AND WWII

Potential Source of UXO	Significant?	Details
WWI German Bombing	×/✓	On 12th/13th April 1918, Zeppelin L 63 dropped a 100kg HE bomb in a field at Blankney Park (located immediately north of the Site) before heading north, away from the Site.

WWII German Bombing	✓	British District Bombing Density Statistics	The Site was formerly located within the WWII-era Rural District of East Kesteven which sustained 2.4 bombs / 1,000 acres, a very low bombing density.
		Evidence of bomb strikes / damage	Information obtained from the Sleaford Gazette, pertaining to how many air raids affected individual settlements in the region, indicates that many air raids affected the wider study area. Six air raids affected Scopwick and two affected Ashby de la Launde, both located in close proximity to the east of the Site, while four affected Blankney, situated to the north. Evidence also indicates that RAF Digby, located immediately to the west of the Site, was bombed on several occasions. No evidence of bomb damage has been identified on the Site; however, records are limited at this stage, with no available aerial photography, thereby prohibiting analysis of ground conditions.
		Local Bombing Decoy Sites	The closest was located approximately 3.7km to the south-east of Site.
		Local German Bombing Targets	There is no evidence of any primary Luftwaffe targets in the vicinity of the Site. However, given the numerous bomber airfields in Lincolnshire, as well as the presence of several such airfields in the vicinity of the Site, including RAF Digby immediately to the west, it is possible that enemy aircraft deliberately targeted the local area.
WWII German Cross Channel Artillery Shelling	×	n/a	
BRITISH / ALLIED MILITARY ACTIVITY			
Potential Source of UXO	**Significant?**	**Details**	
WWII Home Guard (HG) activity	×/✓	Soldiers of the 2nd East Kesteven (Sleaford) Home Guard (HG) Battalion may have been responsible for defending the study area during WWII. The possibility that the Site was accessed by armed HG soldiers cannot be discounted at this stage, given its undeveloped nature.	
Site requisitioned for wartime military use	×/✓	No such evidence found at this stage. However, given the presence of several RAF stations in the vicinity, including partially within and immediately to the west, military activity on Site cannot be entirely ruled out at this stage.	
Existing or historic Army or RAF training area / weapons range	×/✓	No such evidence found at this stage. However, given the presence of RAF Digby partially within and immediately to the west of the Site, it cannot be ruled out that aircraft or infantry training has taken place at this stage.	
Existing or historic military bases and other installations	×/✓	None wholly recorded on Site; however, RAF Digby was situated partially within and immediately to the west. The true extent of the airfield during WWII cannot be accurately deduced without historical aerial photography and airfield station plans.	
Existing or historic munitions or explosives factories	×	n/a	
Existing or historic military storage depots	×/✓	None recorded on Site; however, given that RAF Digby was situated partially within and immediately to the west, the possibility that the Site was used for the storage of ordnance during WWII cannot be ruled out at this stage.	

Existing or historic military defensive fortifications	✓	An in-house geo dataset records two pillboxes, likely associated with RAF Digby, within the west of the Site. Additional pillboxes lie within the perimeter of the former airfield.
WWII light and / or heavy anti-aircraft (LAA and HAA) fire	×/✓	Two HAA batteries were established within a 15km radius of the Site, whilst LAA batteries likely defended the airfields in the vicinity as well, with at least one recorded at RAF Digby approximately 140m to the west of the Site. Luftwaffe raids in the region were somewhat frequent, although not particularly intense, and therefore these guns may have expended ammunition over the wider area. It is possible that an unexploded AA shell struck the Site.
WWII pipe-mined locations and beach minefields	×	n/a
SITE HISTORY		
What was the Site occupancy historically, especially during WWI and WWII?	WWII-era OS mapping indicates that the composition of the Site was largely similar to the present day, mainly comprising undeveloped open land, wooded areas, and farmsteads.	
RISK MITIGATING FACTORS		
Post-conflict ground works	There do not appear to have been any significant ground works across the Site since WWII. The laying of hardstanding for new roadways and the ploughing of agricultural land may have disturbed the soil to very shallow depths (<1m bgl).	
Likelihood of UXO remaining	The risk associated with (any) deep (>2m bgl) or shallow (1-2m bgl) buried German UXBs and HAA shells will not have been mitigated across the Site. The risk associated with (any) very shallow buried UXO, including Allied SAA/LSA and HAA shells, will have been partially mitigated.	
CONCLUSIONS		

German UXO:

- The Site was formerly located within the WWII-era Rural District of East Kesteven which sustained 2.4 bombs / 1,000 acres, a very low bombing density. Despite this, the presence of several airfields in the vicinity of the Site, including immediately adjacent to the west, as well as a bombing decoy approximately 3.7km to the south-east, may have elevated the local bombing density. Indeed, anecdotal evidence indicates that villages in close proximity to the Site boundary sustained bombing on several occasions each, with RAF Digby also noted to have been targeted on occasion.
- Given that the Site appears to have mainly comprised undeveloped open land during WWII, evidence of UXBs is likely to have been less noticeable; the entry hole of a 50kg UXB could be as little as 20cm in diameter. Furthermore, access is likely to have been less frequent in comparison to a house or roadway, for example, reducing the likelihood of UXBs being observed at the time.
- In summary, there is evidence of air raids affecting areas in close proximity to the Site, indicating that enemy aircraft likely flew over the Site on multiple occasions. Furthermore, conditions on Site are typically unconducive to the detection of UXBs. A necessarily macro-scale approach has been taken with this assessment given the size of the Site. While specific areas of the Site may be at a greater or lesser risk of contamination with UXO than others, given the lack of available records at this stage, it has not been possible to discount the potential German UXO contamination on Site. It would therefore be considered prudent to investigate available written records and aerial photography to assess the risk accurately.

British / Allied UXO:

- RAF Digby was located partially within and immediately to the west of the Site during and after WWII. An in-house geo dataset records two pillboxes, two aircraft disposal pens, and a loopholed wall, all likely associated with the airfield, within the Site boundary. Given the undeveloped nature of the Site, it cannot be ruled out that military activity in the form of ad hoc training exercises or the storage/disposal of ammunition may have taken place in this area of the Site. Given this, the risk from Allied UXO is considered to be elevated above the background level for Lincolnshire.
- It is quite possible that an unexploded British AA shell struck the Site during WWII and penetrated to a shallow depth. Any such item could have been overlooked and remain in situ.

RECOMMENDATION(S)	
SI Works	A **Stage 2 Detailed Risk Assessment** is recommended to assess the risk to the proposed works.
Development Works	