Keuper Gas Storage Project

Appendix 6A: Phase 1 Environmental Site Assessment

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Keuper Gas Storage Limited

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APPENDIX A..... LANDMARK ENVIROCHECK® REPORT (REF. 381333716_1_1)

1. INTRODUCTION

1.1 OVERVIEW

1.1.1.1 Environmental Resources Management Limited (ERM) has prepared a Phase 1 Environmental Site Assessment (ESA) for Keuper Gas Storage Limited's (KGSL) proposed underground gas storage facility, hereafter referred to as 'the Proposed Development', located on and under land in the Holford Brinefield, Middlewich, Cheshire, United Kingdom ('the Site').

1.1.1.2 The Site Location is shown on **Figure 1.1** of **Chapter 1, Introduction** and the Site Layout is shown on **Figure 2.2** of **Chapter 2, Proposed Development Description.**

1.2 BACKGROUND

1.2.1.1 A Development Consent Order (DCO) was approved in 2017 to construct and operate the Keuper Underground Gas Storage Facility, consisting of 19 underground salt caverns and associated gas treatment and transfer facilities for connection to the national gas transmission network. However, since this time, the need for hydrogen gas storage within the UK to support the storage of excess renewable electricity ('British Energy Security Strategy', UK Government, 7 April 2022) has grown. In support of the UK's efforts to decarbonise and achieve net zero emissions by 2050, KGSL has been working towards the conversion of the previously-consented DCO, by means of a Non-Material Change application, to allow for large-scale underground hydrogen storage.

1.2.1.2 This Phase 1 ESA has been prepared to provide a preliminary assessment of the ground conditions and potential for contamination at the Site to support KGSL's Non-Material Change application for the Proposed Development.

1.3 OBJECTIVES

1.3.1.1 The primary objective of the current scope of work is to undertake a Phase 1 ESA for the Site in line with the UK Government's *Land Contamination Risk Management* guidance[1] for a 'Stage 1 Tier 1' risk assessment.

1.4 SCOPE OF WORKS

1.4.1.1 In order to meet the above objective, ERM undertook the following scope of works:

- Review available environmental information relating to the Site and the immediate locality of the Site, including:
  - Procurement of a Landmark Envirocheck® Report ('Envirocheck report', included as **Error! Reference source not found.**);

[1] Environment Agency, *Land Contamination Risk Management*, dated October 2020 (revised July 2023)

  - Review of previous land use at the Site, to the extent this is possible via historical mapping, aerial photography etc.;
  - Determination of the underlying geology and associated groundwater units at the Site, with regards to environmental sensitivity / vulnerability;
  - Determination of local surface water features / receptors at the Site, with regards to environmental sensitivity / vulnerability;
  - Review of historical permitting, relating to authorised processes, landfilling etc.; and
  - Review of available previous ground investigation information for the Site;
- Undertake a Preliminary Risk Assessment (PRA) in relation to potential land contamination at the Site and the proposed development, considering such factors as the sensitivity of the identified local surface and groundwater features, the likely permeability of the underlying geology and the potential contaminants present from current/historical land use etc.; and
- Prepare this Phase 1 ESA report.

2. SITE DESCRIPTION

2.1 SITE LOCATION

2.1.1.1 The Site covers a total area of approximately 358 ha, located to the south of the existing Stublach Gas Storage facility and to the west of the village of Byley in Cheshire. The Site is bound to the west by the A530 road (King Street Roman Road) and to the east by the B5081 (Byley Road) and properties in Byley village.

2.1.1.2 Other nearby settlements include:

- Holmes Chapel, approximately 4 km southeast;
- Middlewich, approximately 2 km south;
- Winsford, approximately 4.5 km southwest; and
- Northwich, approximately 4 km northwest.

2.1.1.3 The Site location is shown on **Figure 1.1** of **Chapter 1, Introduction**.

2.2 SITE DESCRIPTION

2.2.1 TOPOGRAPHY

2.2.1.1 The Site is generally low-lying with relatively flat topography. The elevation of the Site varies between approximately 33 m above ordnance datum ('aOD') in the west and 42 m aOD in the east.

2.2.2 SITE LAYOUT AND CURRENT USE

2.2.2.1 The Site is mainly occupied by agricultural land, predominantly used for grazing. A number of farm complexes (including residential dwellings) are present within the Site boundary, including Drakelow Farm, Drakelow Hall Farm and Drakelow Gorse Farm. Drakelow Lane and Yatehouse Lane run southeast-northwest and southwest-northeast through the Site, respectively.

2.2.2.2 Puddinglake Brook flows in generally westerly direction through the centre of the Site. Numerous small ponds are present.

2.2.2.3 A Site Layout Plan is provided as **Figure 2.2** as part of **Chapter 2, Proposed Development Description.** No site walkover has been undertaken as part of the current assessment.

2.3 SURROUNDING LAND USE

2.3.1.1 The wider surrounding area also comprises predominantly agricultural land, with some settlements and isolated commercial/industrial properties.

2.3.1.2 Based on available information, properties surrounding the Site include:

- **North**: Agricultural land with occasional farm buildings (including dwellings). The existing Stublach Gas Storage facility is located immediately to the north of the Site;
- **East**: Agricultural land with farm buildings and residential properties (houses with gardens) in the village of Byley. Several commercial properties including haulage/distribution facilities, vehicle sales/repairs, warehousing and an electrical substation are located within approximately 500 m of the eastern boundary of the Site in a small industrial estate (variably known as Middlewich Road and Firmin Coates Industrial Estate), beyond Byley Road;
- **South**: Agricultural land with farm buildings and dwellings in the hamlet of Yatehouse Green; and
- **West**: Agricultural land with occasional farm buildings and the A530 road (King Street Roman Road). The Middlewich Branch Line (railway) is located approximately 450 m west of the Site, running south-north.

2.3.1.3 Surrounding land uses are shown on **Figure 2.2** as part of **Chapter 2, Proposed Development Description**.

3. ENVIRONMENTAL SETTING

3.1 SOILS

3.1.1.1 Natural England's Agricultural Land Classification (ALC) map for northwest England[2] indicates that the soils underlying the Site are classified as Grade 3 'Good to Moderate'.

3.1.1.2 According to UK Soil Observatory (UKSO) 'Soilscapes' data[3], the soils underlying the Site are described as '*slowly permeable, seasonally wet, slightly acid but base-rich, loamy and clayey soils*' (Soilscape 18).

3.2 GEOLOGY

3.2.1.1 The 1:50,000 scale map from the British Geological Survey (BGS) (extract included in the Envirocheck report in Appendix A) shows that the Site is underlain by:

- Superficial deposits, comprising Glacial Till; and
- Bedrock, comprising Sidmouth Mudstone Formation.

3.2.1.2 Available-to-view BGS records for five boreholes drilled in the west of the Site in 1991 (SJ67SE180, SJ67SE187, SJ67SE188, SJ67SE189 and SJ67SE190)[4] indicate that the geological sequence underlying this part of the Site comprises:

- Approximately 0.3 m of topsoil, locally with up to 0.7 m of Made Ground; and
- Red-brown sandy Clay with occasional sand and sandstone boulders to a depth of up to 8 m. Note: from the geological descriptions provided on the borehole records it is not possible to confirm if this stratum is a superficial deposit or weathered mudstone bedrock.

3.2.1.3 There are no Regionally Important Geological and Geomorphological Sites (RIGGS)[5] or geological Sites of Special Scientific Interest (SSSIs)[6] within 1 km of the Site. The glaciofluvial Sands and Gravels, if present at the far east of the Site, are designated as a minerals safeguard area and potential future working area for sand and gravel under the Local Plan[7].

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[2] Natural England, *1:250,000 Series Agricultural Land Classification – North West Region* (ALC002). Available at: https://publications.naturalengland.org.uk/publication/144015 (accessed July 2025).
[3] Cranfield University, *LandIS Soils Guide / UK Soil Observatory online mapping*. Available at: https://mapapps2.bgs.ac.uk/ukso/home.html (accessed July 2025).
[4] British Geological Survey, *GeoIndex online mapping*. Available at: https://mapapps2.bgs.ac.uk/geoindex/home.html (accessed July 2025).
[5] Cheshire West and Chester Council, *Local Plan online mapping*. Available at: https://maps.cheshirewestandchester.gov.uk/cwac/localplan (accessed July 2025).
[6] Department for the Environment, Food and Rural Affairs (DEFRA), *MAGiC online mapping*. Available at: https://magic.defra.gov.uk/MagicMap.html (accessed July 2025).
[7] Cheshire West and Chester Local Plan, Part 1 (adopted 2015) and Part 2 (adopted 2019). Available at: https://consult.cheshirewestandchester.gov.uk/kse/folder/59487 (accessed July 2025).

3.2.1.4 The Mining Remediation Authority's (formerly the Coal Authority) online mapping[8] indicates that the Site is not within a Coal Mining Reporting Area.

3.2.1.5 According to UK Radon mapping[9], the Site falls within an area of low radon potential where less than 1 % of homes may be at or above the radon action level.

3.3 HYDROGEOLOGY

3.3.1.1 The Environment Agency (EA) classifies the aquifers underlying the Site as follows:

- Superficial Aquifer – Glacial Till: Secondary Undifferentiated Aquifer, defined as '*aquifers where it is not possible to apply either a Secondary A or B definition because of the variable characteristics of the rock type. These have only a minor value.'; and*
- Bedrock Aquifer – Sidmouth Mudstone: Secondary B Aquifer, defined as '*mainly lower permeability layers that may store and yield limited amounts of groundwater through characteristics like thin cracks (called fissures) and openings or eroded layers.'*

3.3.1.2 A Secondary A Aquifer (Glaciofluvial Sands and Gravels) is present approximately 150 m east of the Site at its closest point.

3.3.1.3 Extracts of Environment Agency aquifer maps are included in the Envirocheck report in Appendix A.

3.3.1.4 Based on available-to-view BGS borehole records (see above), depth to groundwater is anticipated to be approximately 2.5 m – 3.5 m below ground level (bgl).

3.3.1.5 The Envirocheck report (Appendix A) identifies one active, licensed groundwater abstractions within 1 km of the Site boundary:

- Approximately 620 m south at Byley Hill Farm (abstraction licence ref. 2568002010, issued in April 1993 for 'General agriculture' at a maximum rate of 3 m^3 per day.

3.3.1.6 The Site is not located within a groundwater Source Protection Zone (SPZ) nor a Drinking Water Safeguard Zone with respect to groundwater, and none are identified within 1 km of the Site. The combined groundwater vulnerability at the Site is classified as 'low', with a small area classified as 'medium' at the far east of the Site, corresponding with the possible location of the glaciofluvial Sands and Gravels.

3.3.1.7 The regional Water Framework Directive (WFD) groundwater unit beneath the Site (Weaver and Dane Quaternary Sand and Gravel

[8] Mining Remediation Authority, *Online Map Viewer*. Available at: https://datamine-cauk.hub.arcgis.com/ (accessed July 2025).
[9] UK Health Security Agency and British Geological Survey, Indicative Atlas of Radon in the United Kingdom (online mapping). Available at: https://www.ukradon.org/radonmaps/ (accessed July 2025).

Aquifers) is classified as 'Poor' chemical status, 'Good' quantitative status and 'Poor' overall status (2019 data)[10].

3.4 HYDROLOGY AND SURFACE WATER

3.4.1.1 Puddinglake Brook flows in a generally westerly direction through the centre of the Site, flowing into the River Dane approximately 1.8 km west of the northwestern corner of the Site. Numerous small ponds are also present in the fields within the Site boundary.

3.4.1.2 According to the Envirocheck report, there are no active, licensed surface water abstractions within 1 km of the Site boundary.

3.4.1.3 The Site is not located within a Drinking Water Safeguard Zone with respect to surface water.

3.4.1.4 The Site straddles two WFD water bodies and operational catchments: Puddinglake Brook water body (Dane operational catchment) in the south and east of the Site and Wade Brook water body (Weaver Lower operational catchment) in the north and west of the Site. Both water bodies are classified by the Environment Agency as having 'Poor' ecological status (2022 data)[10].

3.4.1.5 Based on the EA's flood maps for planning[11], sections of the Site immediately adjacent to Puddlinglake Brook lie within 'Flood Zone 3' (high probability of flooding from rivers or the sea, with an annual probability of flooding of 1% or greater) or 'Flood Zone 2' (moderate probability of flooding, with an annual probability of flooding of 0.1% to 1%). The majority of the Site is located in 'Flood Zone 1', defined as having a low probability of flooding (less than 0.1% annual probability).

3.4.1.6 Flood mapping provided in the Envirocheck report indicates that areas alongside Puddlinglake Brook, as well as other localised, low-lying areas of the main Site, are at 'low', 'medium' or 'high' risk of surface water flooding, i.e. flash flooding from extreme rainfall events. Additionally, the Envirocheck report suggests that the Site has 'potential for groundwater flooding to occur at surface' and/or 'potential for groundwater flooding of property situated below ground level'. A standalone Flood Risk Assessment has been prepared under separate cover.

3.5 SENSITIVE LAND USES

3.5.1.1 The nearest residential properties to the Site are isolated farm dwellings within the Site boundary. In addition, residential properties are present in the villages of Byley and Yatehouse Green immediately to the east and south of the Site, respectively. Other isolated

[10] Environment Agency, *Catchment Data Explorer online mapping*. Available at: https://environment.data.gov.uk/catchment-planning (accessed July 2025).
[11] Environment Agency, Flood Map for Planning online mapping. Available at: https://flood-map-for-planning.service.gov.uk/ (accessed July 2025).

dwellings are present on farms within 500 m surrounding the Site. Byley primary school is located approximately 500 m west of the Site.

3.5.1.2 According to the Envirocheck report, the eastern part of the Site is located within the Jodrell Bank Observatory World Heritage Site, designated in 2019. Jodrell Bank Observatory itself is located approximately 7 km east of the Site.

3.5.1.3 No other designated environmentally sensitive sites (including Sites of Special Scientific Interest (SSSIs), Special Protection Areas (SPAs), Special Areas of Conservation (SACs), Ramsar sites and national or local nature reserves) are identified within 1 km of the Site.

4. SITE HISTORY

4.1 HISTORICAL MAPPING

4.1.1.1 Historical Ordnance Survey (OS) maps obtained as part of the Envirocheck report (dated 1876 – 2025), as well as publicly available aerial imagery (Google Earth, 1945 and 2004 – 2024) indicate the following history of the Site (**Table 4.1**):

TABLE 4.1 – SUMMARY OF ON-SITE HISTORY

Map/Image Date	Description
1882 - present	The Site comprises primarily undeveloped agricultural land. Occasional farm buildings (e.g. Drakelow Gorse Farm and Drakelow Farm) and dwellings (e.g. Drakelow Hall, Drakelow Cottage) and access roads/tracks. Numerous small ponds shown, some of which are inferred to have been infilled over time. Some small areas of woodland (e.g. Drakelow Gorse)
1911 - 1938	'Windpump' shown in west of site (assumed to be a water supply pump)
1968 - 2025	Field drains shown across the site. Electricity pylons shown crossing the site from north-south.
2010 - 2025	Stublach Gas Storage Facility which has been constructed parallel to the north of the Site.
2025	An electrical distribution station is shown in the centre of the Site. A gas distribution station is present at far west of the Site.

4.1.1.2 Pertinent off-site historical features (within 500m of the Site) identified from the historical OS mapping and aerial photographs include:

- 1870s - present: The surrounding area is also primarily undeveloped farmland. Multiple other farm buildings are present within 500m of the Site on all sides. The nearby settlements of Yatehouse Green, Byley and Puddlinglake are all present from the earliest mapping.
- 1940s – 1960s: A large 'camp' is present approximately 300m northeast of the site. The camp appears to be associated with an airfield in aerial imagery dating from 1945, although the airfield is not shown an any historical OS maps.
- 1950s – 1970s: Construction of a sewage works, approximately 20m east of the Site, labelled 'disused' by 1999.

- 1950s – present: 'Factory' buildings, which later become Middlewich Road Industrial Estate, are approximately 300m south-east of the Site. A single warehouse-type building, which is later labelled 'depot' and becomes the current Byley Works, is present 500 m east of the Site.
- 1980s – present: Construction of a 'depot' at the western side of the former 'camp', which becomes a gas distribution station in the 2010s.
- 2010s: Construction of Stublach Gas Storage Facility adjacent to the northern boundary of the Site.

4.2 OTHER HISTORICAL INFORMATION

4.2.1.1 According to a local online history website[12], the former RAF Cranage (also known as Byley airfield) was located approximately 300 m east of the site from 1940 – 1958. The facility was used for aircraft storage and training during World War II, and layer included aircraft inspection, maintenance and repair activities.

4.2.1.2 A response submitted by Cheshire West and Cheshire Council (CWAC) in relation to the Environmental Statement for the Keuper Gas Storage Project Consented Development in 2016[13] made reference to a large burial pit associated with the 1967 foot and mouth outbreak, located towards the north of the Site (approximately 50 m north of either Drakelow Hall Farm or Drakelow Farm – inconsistent records).

4.3 UNEXPLODED ORDNANCE

4.3.1.1 Online unexploded ordnance (UXO) mapping by Zetica[14] indicates that the Site is in an area classified as having a 'low' risk. There are no potentially strategic WWII bombing targets, such as military sites, docks, transport facilities, or decoy sites, identified within the Site boundary. However, the former RAF Cranage (mapped approximately 1 km east, though extending to within approximately 300 m of the eastern site boundary) and a decoy site approximately 800 m east are identified on the online mapping as potential targets for the Luftwaffe during World War II.

[12] https://www.middlewich-heritage.org.uk/RAF-Cranage/
[13] https://nsip-documents.planninginspectorate.gov.uk/published-documents/EN030002-001272-Keuper%20Gas%20Storage%20ExA%20Recommendation%20Report.pdf
[14] Zetica, UXO Risk Maps (online mapping) https://zeticauxo.com/guidance/risk-maps/

5. REGULATED ACTIVITIES

5.1.1.1 **Table 5.1**, below, summarises regulated activities identified by the Envirocheck report within 500 m of the Site which are considered to have the potential to impact upon environmental conditions at the Site.

TABLE 5.1 – SUMMARY OF REGULATED ACTIVITIES

Activity	Location Relative to Site	Description
Discharge Consents	5 m east	Consent (ref. 016810058) registered to United Utilities Water Limited for sewage discharge of final treated effluent to Puddinglake Brook. Dated 1985.
	30 m west	Consent (ref. 0169/1032) registered to Mr David D Greenwood at Halfway House, a domestic property that includes a farmhouse, for sewage discharge of final treated effluent to the River Weaver. Dated 1996.
	170 m east	Consent (ref. 016890854) registered to Mr & Mrs N.M. Wakefield at Walnut Cottage, a domestic property that includes a farmhouse, for tank and filter discharge to the River Dane. Dated 1987.
	210 m east	Consent (ref. 016892112) granted to Mr Gary J Watts and Mr And Mrs S Akroyd, at domestic properties including farmhouses, for sewage discharge of final treated effluent to Puddinglake Brook. Dated 2002.
Historical Landfill Site	100 m southeast	License (ref. EAHLD17666) granted to Yatehouse Farm from June 1978 until May 1979 for deposited waste including inert and industrial waste.
Local Authority Recorded Landfill Sites	On site	Landfill (ref. 4/443) located at Yatehouse Green Farm. Status and type of waste unknown. Shown to straddle south-eastern Site boundary.
	150 m east	Landfill (ref. Z60434) located at Yatehouse Farm. Reportedly received 10,000-25,000 tonnes per year in 1978. Licence lapsed/cancelled/surrendered.

Activity	Location Relative to Site	Description
	270 m east	Site (ref. 4/438/1) located at Kings Lane, Near Rudheath Wood. Status and type of waste not supplied. *Note: shown in the location of the camp associated with RAF Cranage airfield in the 1940s – 1960s.*
Registered Waste Treatment Sites	370 m southeast	Licence (ref. EAWML50042) registered to Celestica Limited for treatment of batteries, metal and inert materials at Firman Coates Industrial Estate. Dated 2000.
Planning Hazardous Substance Consents	On Site	Consent (ref. 16/01362/HAZ) registered to Keuper Gas Storage Limited for 'liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not)' at the Stublach Gas Storage Project. *Note: recorded on Site, but inferred to relate to the gas storage facility immediately to the north of the Site.*
	On Site	Consent (ref. 05-2108-FZ5) registered to INEOS Enterprise Limited for a 'combination of hazardous substances' at the Stublach Gas Storage Project. *Note: recorded on Site, but inferred to relate to the gas storage facility immediately to the north of the Site.*
	On Site	Consent (ref. APP/2002/0424) registered to Scottish Power plc for 'liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not)' on land at Drakelow Lane, Cranage Airfield. *Note: recorded on Site, inferred to relate to the former airfield approximately 300 m east of the Site.*
	50m east	Consent (ref. 4/App/2001/0415) registered to Scottish Power Uk Ltd for an 'explosive' hazardous substance at land adjacent to Drakelow Lane, Byley.

Activity	Location Relative to Site	Description
	60 m north	Consent (ref. 11/03038/HAZ) registered to Ineos Enterprise Limited at the Stublach Gas Storage Project. Substances unknown.
	120 m north	2no. consents (refs. 08-841-FZ5 and 07-2553-FZ5) registered to Richard Stevenson Ineos Enterprises for a 'combination of dangerous substances' at Stublach Dairy Farm.
	230m north	2no. consents (both with ref. 4/08/0841/FZ5) registered to INEOS Enterprises Ltd for: • Unknown substances; and • 'Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not). At Stublach Grange Farm.
	230 m east	Consent (ref. not dated) registered to Firmin Coates for 'ammonium nitrate based fertilisers' and 'composite fertilisers' at Middlewich Road, Byley.
	280 m north	Consent (ref. 11/04331/HAZ) granted to Mr Alan Leadbetter at Stublach Farm. Substance unknown.
	350 m – 390 m southeast	5no. consents (refs. 12/01153/HAZ, 06-0181-HAZ, App/2004/1779, Hs7 and Hs3) registered to Firmin Coates (and other names of the same company) for: • Unknown substances (2 no.); • A 'combination of dangerous substances' (2 no.); and • 'Ammonium nitrate based fertilisers' and 'composite fertilisers'. At Firmin Coates Industrial Estate, Middlewich Road, Byley.
	400 m northeast	Consent (ref. 10/00581/HAZ) registered to Storengy Uk Limited for 'liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not)' at Stublach Gas Storage Project.

Activity	Location Relative to Site	Description
		Note: recorded 400 m northeast at Stublach Farm, but reportedly relates to the Stublach Gas Storage facility immediately north of the Site.
	430 m east	Consent (ref. 4/05/0916/Fz5) registered to Holford Gas Storage Ltd for a 'combination of dangerous substances' at the former RAF Cranage airfield.
	430 m northeast	Consent (ref. 15/03221/HAZ) registered to Storengy Uk Limited for a 'combination of dangerous substances' at Stublach Farm.
Control of Major Accident Hazards (COMAH)	360m southeast	Upper Tier COMAH entry relating to H W Coates Limited located at Middlewich Industrial Estate. Inferred to supersede a previous Notification of Installations Handling Hazardous Substances (NIHHS) entry for Firmin Coates and Sons Limited at the same location.
	30 m north	Active Upper Tier entry relating to Storengy Uk Limited, located at Stublach Gas Storage Site.

5.1.1.2 In addition, the following contemporary trade directories and pertinent commercial services are recorded within 500 m of the Site boundary:

- J Abbots / David Greenwood / AP Auto Paint (Vehicle Repair and Servicing), 50 m west;
- Browns Autocare (Garage Services), 90m east;
- Williams Design & Print Ltd (Printers); 190m southeast;
- Amtech Developments (Packaging & Wrapping Equipment & Supplies), 420m southeast;
- H W Coates (Distribution Services), 450 m east.

5.1.1.3 No active entries are recorded by the Envirocheck report within 500 m of the Site for the following categories of regulated activity: Contaminated Land Register entries, Pollution Incidents or Substantiated Pollution Incidents (within the last 10 years), Prosecutions relating to Controlled Waters, Enforcement and Prohibition Notices, Integrated Pollution Controls (IPC), Integrated Pollution Prevention and Control (IPPC), Local Authority Pollution Prevention and Control (LAPPC), Licensed Waste Management Facility, Registered Waste Transfer Sites, Prosecutions relating to

Authorised Processes, Registered Radioactive Substances, Water Industry Act Referrals, BGS Recorded Landfills, Integrated Pollution Control Registered Waste Sites, Registered Landfill Sites, Explosives Sites or Fuel Station entries.

6. REVIEW OF PREVIOUS ENVIRONMENTAL REPORTS

6.1.1.1 The following section summarises pertinent information from technical reports on previous ground investigations undertaken at the Site, which were provided to ERM for review.

Ground Investigation Report, Keuper Gas Storage Project (Byrne Looby, 2021)[15]

6.1.1.2 Byrne Looby undertook a geotechnical and geo-environmental investigation in 2021 in the location of the proposed Gas Processing Plant (GPP)[16] comprising 11no. boreholes to a maximum depth of 20 m below ground level (bgl) and five trial pits to a maximum depth of 4 m bgl. Five groundwater monitoring wells were installed at three borehole locations (dual installations installed in two of the locations). In-situ geotechnical testing was undertaken and soil samples were collected for geotechnical and chemical laboratory analysis.

6.1.1.3 No interpretation of the findings was provided in this report. An interpretative report was prepared under separate cover (see below).

Geotechnical Design Report, Keuper Gas Storage Project (Byrne Looby, 2022)[17]

6.1.1.4 This report presents the findings of the 2021 ground investigation at the location of the proposed GPP (see above). Key findings with respect to the geo-environmental assessment were as follows:

- The geological sequence in the location of the proposed GPP was found to comprise:
  - Topsoil (firm, brown, sandy Clay), between 0.2m and 0.6m in thickness;
  - Glacial Till (firm to stiff, brown, slightly sandy, slightly gravelly Clay), up to 8.4 m in thickness (where proven);
  - Sidmouth Mudstone bedrock (weak, reddish-brown Mudstone), encountered at 7.4 m – 8.7 m bgl.
- No Made Ground was encountered;
- Following drilling, resting groundwater level in the five monitoring wells installed was found to range between ground level and 12.7 m bgl. Groundwater level was the same in both well pipes in the two dual installation locations (i.e. one screened in the superficial deposits, one in the bedrock);
- Six soil samples were collected and analysed for pH, metals, sulphate, Total Petroleum Hydrocarbons (TPH), Polycyclic Aromatic

[15] Byrne Looby, *Ground Investigation Report, Keuper Gas Storage Project*. Byrne Looby ref. K0044-BLP-GEO-R-000, dated 21st December 2021.
[16] It is noted that the footprint of the proposed GPP has changed since the 2021 investigation was undertaken. However, all investigation locations were also within the revised (2025) GPP area.
[17] Byrne Looby, *Geotechnical Design Report, Keuper Gas Storage Project*. Byrne Looby ref. K0044-GEO-R002-02, dated 5th April 2022.

Hydrocarbons (PAH), phenols, asbestos and Total Organic Carbon (TOC);

- A Generic Quantitative Risk Assessment was undertaken to assess potential risk to human health, assuming a commercial land use. No exceedances of the selected Generic Assessment Criteria (GAC) were identified;
- No evidence of asbestos containing materials was recorded on site and no asbestos was detected in any of the six soil samples tested; and
- No groundwater samples were collected and no Controlled Waters GQRA was undertaken.

7. INITIAL CONCEPTUAL SITE MODEL

7.1 OVERVIEW

7.1.1.1 The risk assessment process for environmental contaminants is based on the potential for complete source-pathway-receptor linkages, where:

- **Source**: a hazardous substance that has the potential to cause adverse impacts;
- **Pathway**: a route by which a hazardous substance may come into contact with a receptor; and
- **Receptor**: a target that may be affected by contamination.

7.1.1.2 For a risk to be present, there must be a complete, viable contaminant linkage; i.e. a mechanism whereby a source impacts on a sensitive receptor via a pathway.

7.1.1.3 The following sections detail the initial Conceptual Site Model (iCSM). Identified potential sources, receptors and pathways are summarised in the following sections. Consideration is given to both the current Site layout and proposed future changes associated with construction of the hydrogen storage facility.

7.2 POTENTIAL SOURCES

7.2.1.1 The following potential sources of contamination have been identified:

On-Site:

- Farmland, including storage and use of pesticides, oils etc.;
- Electrical and gas distribution stations;
- Made Ground in locations of previous development (e.g. farm buildings, electrical/gas distribution stations, roads) and used to infill ponds/marshes;
- Yatehouse Green Farm Landfill on the south-western boundary; and
- Potential burial ground associated with 1960s foot and mouth outbreak.

Off Site:

7.2.1.2 Potential migration of contaminants on to the Site from offsite sources, including:

- Farmland, including storage and use of pesticides, oils etc. on adjacent land;
- Stublach Gas Storage Facility, immediately north of the Site;
- Former sewage works (1950s – 1970s), approximately 20 m east of the Site;
- Historical landfill at Yatehouse Farm (1970s), approximately 100 m southeast of the Site;

- Kings Lane Landfill, approximately 270 m west of the Site;
- World War II camp and airfield, approximately 300 m northeast of the Site, including aircraft storage and maintenance;
- Firmin Coates / Middlewich Road industrial estate, approximately 300 m east, including haulage distribution services, vehicle repairs and warehousing;
- Gas distribution station (and former depot), approximately 380 m east of the Site; and
- Railway line, approximately 450 m west of the Site.

7.3 POTENTIAL RECEPTORS

7.3.1.1 The following potential receptors have been identified:

Human Health:

- Current and future Site users (commercial);
- Current ad future Site users (residents of on-Site farm dwellings); and
- Current and future users of neighbouring properties, including residential properties.

Controlled Waters:

- Surface waters:
  - Puddlinglake Brook, and its tributaries
- Groundwater:
  - Superficial Aquifer – Sands and Gravels (Secondary A Aquifer) and Glacial Till (Secondary Undifferentiated Aquifer); and
  - Bedrock Aquifer – Sidmouth Mudstone (Secondary B Aquifer).

Ecological:

- Flora and fauna

Buildings & Infrastructure:

- Below-ground structures, including concrete foundations and plastic water supply pipes.

7.4 POTENTIAL PATHWAYS

7.4.1.1 The following potential pathways by which the identified potential receptors may be impacted by the identified potential sources have been identified:

Human Health:

- Inhalation, ingestion or direct contact with contaminants in soil, including asbestos, in unsurfaced areas (including soil-derived dust);

- Inhalation of vapours derived from volatile contaminants in soil and/or shallow groundwater;
- Inhalation of ground gases derived from landfills and/or Made Ground; and
- Acute risks to maintenance and construction workers by accidental ingestion, inhalation or direct contact with contaminants in soil and/or shallow groundwater during potential works involving ground disturbance.

Controlled Waters:

- Direct surface run-off into surface waters (in the immediate vicinity of surface watercourses);
- Leaching of contaminants from shallow soil into shallow groundwater (if present);
- Vertical migration of contaminants within shallow groundwater to deeper groundwater (i.e. bedrock aquifer);
- Lateral migration of contaminants within shallow groundwater to surface water; and
- Preferential migration of contaminants along the routes of underground services (including granular backfill materials).

Ecological:

- Inhalation, ingestion or direct contact with contaminants in soil in unsurfaced areas (including soil-derived dust) (fauna);
- Uptake of contaminants in shallow groundwater (if present) by root systems (flora); and
- Contact with contaminants entering surface waters.

Buildings & Infrastructure:

- Migration of ground gases derived from landfills and/or Made Ground and accumulation in confined spaces (e.g. basements, sumps, service trenches); and
- Direct contact of subsurface structures (e.g. foundations, gas membranes, water supply pipes) with contaminants in soil and/or shallow groundwater (if present).

8. PRELIMINARY RISK ASSESSMENT

8.1 ASSUMPTIONS

8.1.1.1 In undertaking the preliminary risk assessment described below, ERM has made the following assumptions:

- Future land use will be for commercial/industrial purposes only. Occupied areas will be predominantly covered in buildings/structures/hardstanding;
- Assigned sensitivity and vulnerability ratings are based on information available to ERM at the time of the assessment only, as referenced throughout this report;
- Future construction activities will be undertaken in line with applicable UK regulation, guidance and industry best practice.

8.2 SENSITIVITY AND VULNERABILITY

8.2.1.1 **Table 8.1**, below, summarises the sensitivity and vulnerability of the identified receptors to potential impacts associated with the identified potential sources of contamination. Consideration is given to both the current Site layout and proposed future changes associated with the hydrogen storage facility.

8.2.1.2 For the purpose of this assessment, sensitivity is defined as the potential significance of impacts (should any exist), and vulnerability is defined as the likelihood for impacts (should any exist) to reach a sensitive receptor.

TABLE 8.1 – SENSITIVITY AND VULNERABILITY OF IDENTIFIED RECEPTORS

Identified Receptor	Sensitivity	Vulnerability	Explanation
Human Health			
Current and future Site users (commercial)	Medium	Moderate (current) / Low (future)	The vast majority of the Site is currently unsurfaced and therefore the potential for direct contact with impacted soils, if present, exists. However, following redevelopment the occupied areas (i.e. where workers will be present) will be largely covered in buildings/structures/hardstanding, reducing the potential for direct exposure of Site users to contaminated soil (if

Identified Receptor	Sensitivity	Vulnerability	Explanation
			present). However, there may be the potential for accumulation of volatile contaminants/gases (if present) in confined spaced within future permanent buildings/structures at the Site.
Current and future Site users (residential)	High	Moderate	Isolated residential properties (farm dwellings) are present with the Site boundary. As above, the vast majority of the Site is currently unsurfaced and therefore the potential for direct contact with impacted soils, if present, exists. In addition, there is the potential for accumulation of volatile contaminants/gases (if present) in confined spaced within existing dwellings at the Site. Limited change to site layout is proposed in the vicinity of the residential receptors.
Current and future users of neighbouring properties, including residential	Medium	Low/Moderate	Given the large amount of unsurfaced ground at the Site, there is the potential for migration of contaminants in soil, e.g. via wind-blown dust, from the Site to neighbouring properties.

Identified Receptor	Sensitivity	Vulnerability	Explanation
Controlled Waters			
Surface Water –Puddinglake Brook	Low	High	The two WFD operational catchments that cover the Site are both classified as having 'poor' quality status. No surface water abstractions are identified within 500 m of the Site and the Site is not located in a Drinking Water Safeguard Zone. However, Puddinglake Brook (and its tributaries) runs through the centre of the Site. Direct runoff into the brook is conserved possible, as well as migration of contaminants, if present, into surface watercourses via shallow groundwater.
Groundwater (superficial) – Secondary A / Secondary Undifferentiated Aquifers	Medium	High	The Site is not located in an SPZ nor a Drinking Water Safeguard Zone. Combined groundwater vulnerability at the Site is classified as 'low', except for a small area classified as 'medium' at the far east of the Site (possible location of the glaciofluvial Sands and Gravels). The WFD groundwater unit beneath the Site is classified as 'Poor' status. One small (3 m^3/day) groundwater abstraction has been identified within 1km of the site for agricultural use. The majority of the Site is currently unsurfaced. Therefore, leaching of
Groundwater (bedrock) – Secondary B Aquifer	Medium	Low/Moderate	

Identified Receptor	Sensitivity	Vulnerability	Explanation
			contaminants, if present, in shallow soil (e.g. by infiltration of rainwater) and vertical migration into shallow groundwater is possible. Following redevelopment, some areas of the site will be covered in buildings/structures/hardstanding, reducing the potential for infiltration in these locations, although the majority of the Site will remain essentially unchanged. Superficial deposits are present immediately below the topsoil (at a depth of approximately 0.2 – 0.6 m bgl). Bedrock is present at relatively shallow depth (approximately 8 m bgl), although is overlain by relatively low permeability Glacial Till.
Ecological			
Flora and fauna	Low	Moderate	No environmentally designated sites are present in the vicinity of the Site. However, flora and fauna may be impacted by contamination from the site, if present, via direct contact with soil and with water in Puddlinglake Brook.
Buildings & Infrastructure			
Below-ground structures	Low	Very Low	At present, no permanent buildings are present on the Site. Any future

Identified Receptor	Sensitivity	Vulnerability	Explanation
			development at the Site would be designed in accordance with the relevant British Standards, so the potential for future below ground structures to be impacted by soil and/or shallow groundwater contamination (if present) is considered to be very low.

8.3 POTENTIAL RISK

8.3.1.1 **Table 8.2**, below, summarises ERM's assessment of potential risk to the identified receptors from potential sources of contamination identified at the Site, based on the information reviewed and the assessment of sensitivity and vulnerability of the identified receptors above. Again, consideration is given to both the current Site layout and proposed future changes associated with the hydrogen storage facility.

TABLE 8.2 – SUMMARY OF POTENTIAL RISK

Identified Receptor	Potential Risk	Explanation
Human Health		
Current and future site users (commercial)	Low	Potential sources of contamination have been identified at the Site (and in close proximity to the Site) relating historical and recent activities, although typically low-level sources (e.g. no heavy industry). Limited ground investigation data in the location of the proposed GPP did not identify any evidence of significant contamination in soil (nothing that no assessment against residential assessment criteria was made). However, the potential for 'hotspots' of contamination elsewhere on the Site cannot be ruled out. In addition, there is the potential for ground gas/vapour generation associated with
Current and future Site users (residential)		
Current and future users of neighbouring properties, including residential		

Identified Receptor	Potential Risk	Explanation
		localised areas of Made Ground of infilled land (landfill, infilled ponds). Any planned ground disturbance works undertaken as part of Site redevelopment will be undertaken in line with current best practice, and mitigation measures will be put in place as necessary to reduce the likelihood of exposure to contaminated soils, including via generation of soil-derived dust. The development itself is not anticipated to introduce signficant potential sources of contamination into the Site, and those that will be present (e.g. oils, fuels) will be stored and handled in line with relevant regulations and best practice. Overall, potential risk to human health is considered to be low.
Controlled Waters		
Surface Water – Puddinglake Brook	Low	As above, low-level potential sources of contamination have been identified at the Site which have the potential to impact Puddinglake Brook, which flows through the centre of the Site, via direct runoff and/or subsurface migration via shallow groundwater, including along preferential pathways. No surface water testing has been undertaken to date and water quality in the brook within the Site boundary is unknown. As above, construction works and any future storage and use of potentially contaminative substances associated with the proposed redevelopment would be undertaken in line with relevant regulations and best practice to reduce potential risk to Controlled Waters. No operational discharges to surface water are proposed as part of the proposed redevelopment. Overall, risk to Puddinglake Brook is considered to be Low.
Groundwater (superficial) – Secondary A /	Low	As above, low-level potential sources of contamination have been identified at the Site which have the potential to impact

Identified Receptor	Potential Risk	Explanation
Secondary Undifferentiated Aquifers		groundwater, particularly the superficial aquifer aquifers which directly underlie topsoil at shallow depth (potentially only approximately 0.2 – 0.6 m bgl). Although the working areas will be covered in buildings/structures/hardstanding following redevelopment, the majority of the Site will remain unsurfaced, resulting in limited change from current conditions in relation to infiltration of rainfall and leaching of potential contaminants into shallow groundwater. No groundwater chemical data is available at the Site. Only one licensed abstraction has been identified within 1km of the Site, located 620 m south. The abstraction is very small (3 m^3 per day) and is therefore not anticipated to be impacted by contamination or activities at the Site. As above, construction works and any future storage and use of potentially contaminative substances associated with the proposed redevelopment would be undertaken in line with relevant regulations and best practice to reduce potential risk to Controlled Waters. No operational discharges to land or groundwater are proposed as part of the proposed redevelopment. Overall, risk to groundwater is considered to be Low.
Groundwater (bedrock) – Secondary B Aquifer	Very Low	
Ecological		
Flora and fauna	Low	Although direct contact of ecological receptors with soil is possible across the majority of the Site (i.e. where unsurfaced), and is also likely to be present in Puddinglake Brook, the Site is not located in, or close to, environmental designated sites and ERM is not aware of any evidence of superficial contamination (e.g. stressed vegetation, sheens on the surface of water). The risk to flora and fauna from contamination at the Site is therefore considered to be Low.

Identified Receptor	Potential Risk	Explanation
Buildings & Infrastructure		
Below-ground structures	Very Low	There is the potential for localised areas of Made Ground / infilled land to be present at the Site. In these are, the potential for ground gas generation (carbon dioxide, methane) cannot be ruled out. No ground gas monitoring data is available for the Site. However, on the basis that any future buildings are designed in accordance with relevant British Standards and best practice (i.e. inclusion of ground gas mitigation measures, if necessary), potential risk from ground gases is considered to be Very Low. Potentially unfavourable ground conditions in relation to subsurface concrete structures (pH and sulphate) are not considered likely and were not identified by the ground investigation at the location of the GPP. No signficant sources of hydrocarbons or other organic contaminants which have the potential to impact potable water supply pipes have been identified. Overall, the risk to future below-ground structures is considered to be Very Low.

9. SUMMARY

9.1.1.1 ERM has undertaken a Phase 1 Environmental Site Assessment of Keuper Gas Storage Limited's (KGSL) proposed hydrogen storage facility to provide a preliminary assessment of the ground conditions and potential for contamination at the Site.

9.1.1.2 Taking into account the Site's environmental setting, available information on the Site history and regulated activities in the vicinity of the Site, ERM considers the overall potential risk to the identified receptors to be:

- Human health (Site users, users of neighbouring properties): **Low**;
- Surface waters (Puddinglake Brook): **Low**;
- Groundwater (superficial and bedrock aquifers): **Very Low to Low**;
- Ecological receptors: **Low**; and
- Buildings & infrastructure: **Very Low**.

10. REFERENCES

British Geological Survey, *GeoIndex online mapping* (https://mapapps2.bgs.ac.uk/geoindex/home.html)

Byrne Looby, *Ground Investigation Report, Keuper Gas Storage Project*. Byrne Looby ref. K0044-BLP-GEO-R-000, dated 21st December 2021

Byrne Looby, *Geotechnical Design Report, Keuper Gas Storage Project*. Byrne Looby ref. K0044-GEO-R002-02, dated 5th April 2022

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Cheshire West and Chester Council, *Local Plan online mapping* (https://maps.cheshirewestandchester.gov.uk/cwac/localplan)

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Landmark Information Group, Envirocheck® Report, ref. 381333716_1_1, dated 14 July 2025

Natural England, *1:250,000 Series Agricultural Land Classification – North West Region* (ALC002) (https://publications.naturalengland.org.uk/publication/144015)

Mining Remediation Authority, *Online Map Viewer* (https://datamine-cauk.hub.arcgis.com/)

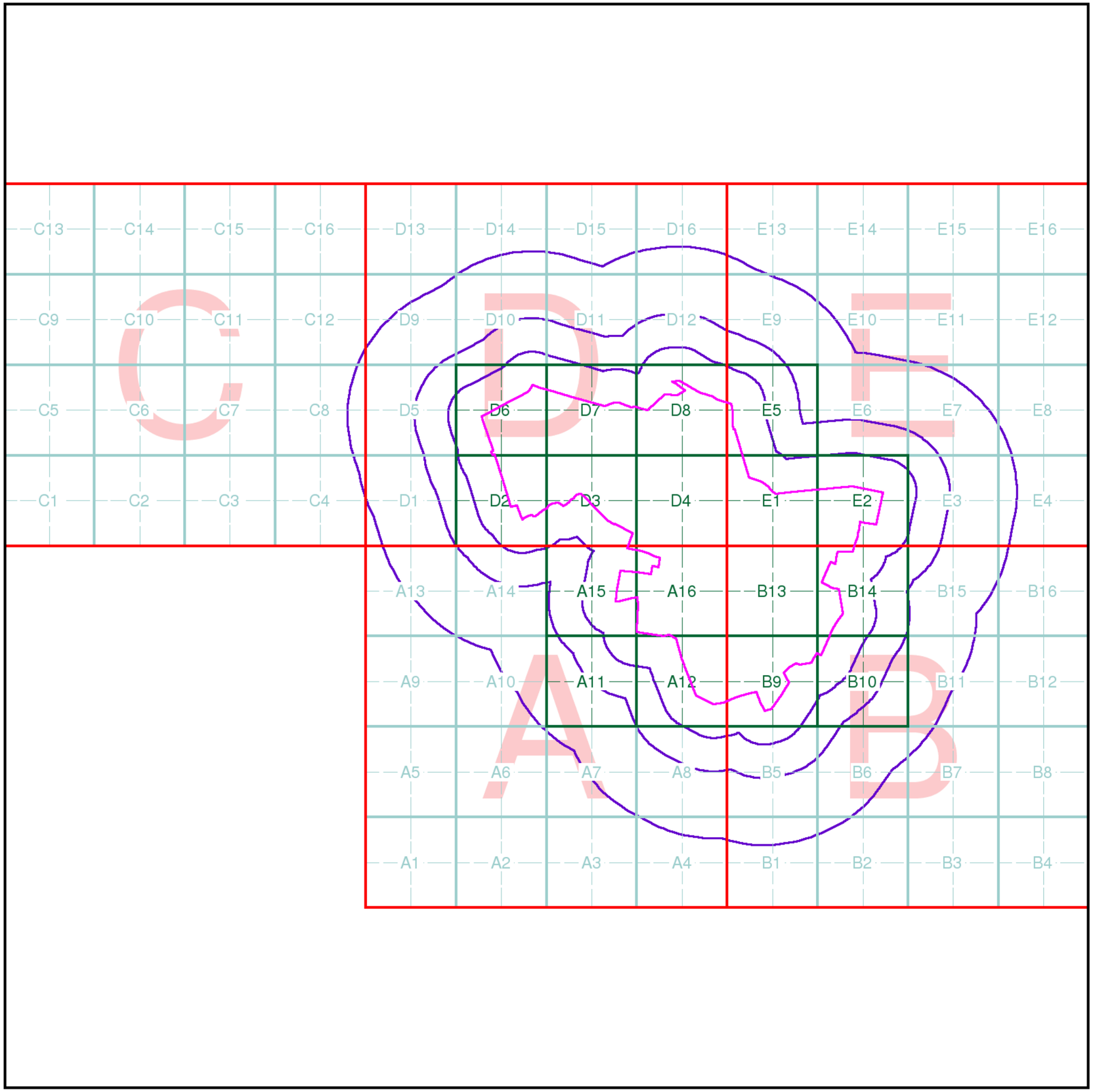
UK Health Security Agency and British Geological Survey, *Indicative Atlas of Radon in the United Kingdom* (https://www.ukradon.org/radonmaps/)

Middlewich Heritage Trust, Royal Air Force Cranage (https://www.middlewich-heritage.org.uk/RAF-Cranage/)

The Planning Inspectorate, *Keuper Gas Storage Project Examining Authority's Report of Findings, Conclusions and Recommendation to the Secretary of State for Business, Energy and Industrial Strategy*, dated 15th December 2016 (https://nsip-documents.planninginspectorate.gov.uk/published-documents/EN030002-001272-Keuper%20Gas%20Storage%20ExA%20Recommendation%20Report.pdf)

Zetica, *UXO Risk Maps* (https://zeticauxo.com/guidance/risk-maps/)

APPENDIX A LANDMARK ENVIROCHECK® REPORT (REF. 381333716_1_1)



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Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice
Each slice represents a 1:10,000 plot area (2.7km x 2.7km) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

Segment
A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant
A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located on plots. Therefore a feature that has a quadrant reference of A7NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:

Map data

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Environment Agency

NATURAL ENGLAND

Envirocheck reports are compiled from 136 different sources of data.

Prepared For
Storengy
Keuper Hydrogen

Client Details
Ms K Thompson, Environmental Resources Management Ltd, 2nd Floor, Exchequer Court, 33 St Mary Axe, London, EC3A 8AA

Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370780, 369760
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details
Site at, Byley, Cheshire West & Chester

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
381333716_1_1

Customer Reference:
Keuper Hydrogen - ERM ref. 0755727

National Grid Reference:
370120, 368790

Slice:
A

Site Area (Ha):
357.89

Search Buffer (m):
1000

Site Details:

Site at
Byley
Cheshire West & Chester

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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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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
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Discharge Consents					
Prosecutions					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 2				7
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 3		1		5
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4				(*13)
Water Industry Act Referrals					
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Groundwater Vulnerability - Soluble Rock Risk	pg 9	8	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 10	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 10	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 10	22	19	18	31
Water Framework Directive - Catchment	pg 20	Yes	Yes		
Water Framework Directive - Groundwater	pg 20	Yes			
Water Framework Directive - Surface Waters					

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Integrated Pollution Control Registered Waste Sites					
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Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 21	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 21	1			
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Potentially Infilled Land (Water)					
Registered Landfill Sites	pg 21		1		
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
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Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents	pg 22	1			
Planning Hazardous Substance Enforcements					

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Summary

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Geological					
BGS 1:625,000 Solid Geology	pg 23	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 23	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District	pg 24	Yes	n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 24	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 24	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 24	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 24		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 24	Yes	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			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
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Summary

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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 27	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites	pg 27	1			

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	371150 370300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	369900 370050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	0	1	370100 370100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (E)	0	1	371000 369100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	370800 370000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	370900 369900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8SE (SE)	0	1	370950 367900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	0	1	370700 369250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SE (NE)	0	1	370850 369250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	369600 370000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	369550 369900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	0	1	371200 369550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	0	1	370122 370000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NW (W)	0	1	370000 368800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A11NE (NE)	0	1	370122 368788
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	0	1	370000 370000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	119	1	370100 369300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NW (N)	129	1	369850 369550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SW (SE)	154	1	370550 368550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NW (N)	276	1	369950 369350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (W)	413	1	370000 368788
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SE (S)	422	1	370150 368600

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	(SE)	491	1	371450 367850
1	**Integrated Pollution Prevention And Control** Name: Tall Trees Farm Limited Location: Green Trees Poultry Farm Epr/Jp3237dn, Green Trees,Green Trees Poultry Farm Epr/Jp3237dn, King Street,,, Byley, Cheshire West And Chester, CW10 9LD Authority: Environment Agency, North West Region Permit Reference: JP3237DN Original Permit Ref: Jp3237dn Effective Date: 9th September 2020 **Status:** **Effective** Application Type: Variation (Normal) App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A11SW (SW)	722	2	369944 368403
1	**Integrated Pollution Prevention And Control** Name: H & S Growers Location: Green Trees, King Street,,, Byley, CW10 9LD Authority: Environment Agency, North West Region Permit Reference: VP3434HM Original Permit Ref: Vp3434hm Effective Date: 9th February 2011 **Status:** **Superseded** Application Type: Transfer App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A11SW (SW)	722	2	369943 368403
1	**Integrated Pollution Prevention And Control** Name: Harrisons (Poultry) Limited Location: Green Trees, King Street,,, Byley, Cheshire, CW10 9LD Authority: Environment Agency, North West Region Permit Reference: AP3130UX Original Permit Ref: Ap3130ux Effective Date: 24th February 2009 **Status:** **Superseded** Application Type: Variation (Minor Technical) App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A11SW (SW)	722	2	369943 368403
1	**Integrated Pollution Prevention And Control** Name: Harrisons (Poultry) Ltd Location: Green Trees, Green Trees, King Street,,Byley, MIDDLEWICH, Cheshire, CW10 9LD Authority: Environment Agency, North West Region Permit Reference: FP3732GZ Original Permit Ref: Ap3130ux Effective Date: 24th February 2009 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Automatically positioned to the address Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A11SW (SW)	722	2	369943 368403
1	**Integrated Pollution Prevention And Control** Name: Tall Trees Farm Ltd Location: Green Trees Poultry Farm Epr/Jp3237dn, Green Trees, King Street,,Byley, MIDDLEWICH, Cheshire, CW10 9LD Authority: Environment Agency, North West Region Permit Reference: GP3503SY Original Permit Ref: Jp3237dn Effective Date: 9th September 2020 **Status:** **Effective** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A11SW (SW)	727	2	369940 368400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Integrated Pollution Prevention And Control** Name: Hughes Location: Green Trees, Green Trees, King Street,,Byley, MIDDLEWICH, Cheshire, CW10 9LD Authority: Environment Agency, North West Region Permit Reference: EP3833AH Original Permit Ref: Xp3137wy Effective Date: 21st April 2015 **Status: Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A11SW (SW)	727	2	369940 368400
1	**Integrated Pollution Prevention And Control** Name: Mr Neilhughes Location: Green Trees Poultry Farm Epr/Xp3137wy/V002, Green Trees,Green Trees Poultry Farm Epr/Xp3137wy/V002, King Street, Byley, CW10 9LD Authority: Environment Agency, North West Region Permit Reference: XP3137WY Original Permit Ref: Xp3137wy Effective Date: 21st April 2015 **Status: Superseded** Application Type: Variation (Normal) App. Sub Type: Not Supplied Positional Accuracy: Located by supplier to within 100m Activity Code: 6.9 A(1) (A) (I) Activity Description: Intensive Farming; Greater Than 40,000 Poultry Primary Activity: Y	A11SW (SW)	727	2	369940 368400
	Nearest Surface Water Feature	A16NE (NE)	0	-	370843 369395
2	**Pollution Incidents to Controlled Waters** Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Agricultural: Other Note: Tributary River Dane; Sewage Incident Date: 23rd August 1993 Incident Reference: 93531641 Catchment Area: Dane Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (E)	165	2	370500 368800
3	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Tributary River Dane Incident Date: 12th July 1995 Incident Reference: 95531720 Catchment Area: Dane Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11SE (S)	516	2	370200 368500
4	**Pollution Incidents to Controlled Waters** Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Poultry Manure (solid) Note: Not Supplied Incident Date: 8th April 1993 Incident Reference: 93530746 Catchment Area: Dane Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11NW (W)	585	2	369800 368800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Pollution Incidents to Controlled Waters** Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Cattle slurry Note: Puddinglake Brook Incident Date: 16th February 1995 Incident Reference: 95530310 Catchment Area: Dane Receiving Water: Not Given Cause of Incident: Burst/Leaking Stores Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (NW)	610	2	369600 369200
6	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Cheshire Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; Slurry Reported Incident Date: 16th April 1996 Incident Reference: 96530787 Catchment Area: Dane Receiving Water: Not Given Cause of Incident: Burst/Leaking Stores Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	915	2	370400 367700
7	**Pollution Incidents to Controlled Waters** Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Agricultural: Yard Run Off (Dirty Water) Note: River Dane Incident Date: 2nd April 1992 Incident Reference: 92530540 Catchment Area: Dane Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (S)	964	2	370300 367700
	Water Abstractions Operator: Robert George Hodson Licence Number: 2568002198 Permit Version: Not Supplied Location: River Dane Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 136 Yearly Rate (m3): 11365 Details: Licence 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	A4NW (S)	1231	2	370500 367300
	Water Abstractions Operator: Inovyn Enterprises Limited Licence Number: 2568002145 Permit Version: 105 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) 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 December Permit Start Date: 15th July 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Inovyn Enterprises Limited Licence Number: 2568002145 Permit Version: 105 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water 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 December Permit Start Date: 15th July 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100
	Water Abstractions Operator: Ineos Enterprises Limited Licence Number: 2568002145 Permit Version: 104 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) 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 December Permit Start Date: 2nd May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100
	Water Abstractions Operator: Ineos Enterprises Limited Licence Number: 2568002145 Permit Version: 104 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water 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 December Permit Start Date: 2nd May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100
	Water Abstractions Operator: Ineos Enterprises Limited Licence Number: 2568002145 Permit Version: 103 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Northwich & Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd August 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Ineos Enterprises Limited Licence Number: 2568002145 Permit Version: 103 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Northwich & Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd August 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100
	Water Abstractions Operator: Ineos Chlor Enterprises Ltd Licence Number: 2568002145 Permit Version: 102 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Northwich & Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100
	Water Abstractions Operator: Ineos Chlor Enterprises Ltd Licence Number: 2568002145 Permit Version: 102 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Northwich & Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100
	Water Abstractions Operator: Ineos Chlor Ltd Licence Number: 2568002145 Permit Version: 101 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Northwich & Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th January 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Ineos Chlor Ltd Licence Number: 2568002145 Permit Version: 101 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Northwich & Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th January 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100
	Water Abstractions Operator: I C I Chemicals & Polymers Ltd Licence Number: 2568002145 Permit Version: 100 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 55000 Yearly Rate (m3): 18298000 Details: Premises At Northwich & Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	1586	2	370100 367100
	Water Abstractions Operator: I C I Chemicals & Polymers Ltd Licence Number: 2568002145 Permit Version: 100 Location: R Dane At Ravenscroft, Middlewich Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Northwich & Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	1586	2	370100 367100
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A15SW (NW)	0	2	370000 369000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A15SE (N)	0	2	370122 369000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A16SE (E)	0	2	371000 369000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(N)	0	2	370000 370000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(N)	0	2	370122 370000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(NE)	0	2	371000 370000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A11NE (NE)	0	2	370122 368788
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	A12NE (E)	0	2	371000 368788
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	A11NE (NE)	0	2	370122 368788
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A12NE (E)	0	2	371000 368788
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	A15SW (NW)	0	2	370000 369000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A15SE (N)	0	2	370122 369000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	A16SE (E)	0	2	371000 369000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	(N)	0	2	370000 370000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(N)	0	2	370122 370000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(NE)	0	2	371000 370000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A11NW (W)	0	3	370000 368788
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A11NE (NE)	0	3	370122 368788
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(N)	0	3	370000 370000
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(N)	0	3	370122 370000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11NE (NE)	0	3	370122 368788
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(N)	0	3	370122 370000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11NW (W)	0	3	370000 368788
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(N)	0	3	370000 370000
	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	(NW)	0	2	369535 369705
	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	(NW)	0	2	369530 369715
	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: 476.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	(N)	0	4	370467 369675
9	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 103.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NE (NE)	0	4	370841 369489
10	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16SE (NE)	0	4	370922 369253
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 223.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NE (NE)	0	4	370934 369442

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 96.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NE (NE)	0	4	370934 369442
13	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16SE (NE)	0	4	370942 369264
14	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 504.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16SE (NE)	0	4	370949 369267
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 27.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NE (NE)	0	4	371021 369403
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 211.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NE (NE)	0	4	371043 369419
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 123.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (E)	0	4	370908 368563
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 476.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (E)	0	4	370944 368449
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (E)	0	4	370906 368565
20	**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: Mersey Primacy: 1	A12SE (E)	0	4	370906 368566

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (E)	0	4	370881 368649
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 215.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (E)	0	4	370780 368808
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (E)	0	4	370701 368785
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (E)	0	4	370707 368790
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (E)	0	4	370741 368798
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (E)	0	4	370747 368799
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (E)	0	4	370772 368805
28	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 14.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (E)	0	4	370902 368581
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 80.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (E)	0	4	370882 368646

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (SE)	1	4	370942 368448
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (SE)	1	4	370942 368448
32	**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: Mersey Primacy: 1	A12NW (E)	3	4	370683 368783
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 252.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SE (N)	3	4	370058 369182
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 62.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (E)	21	4	370622 368777
35	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 23.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (SE)	35	4	370958 368416
36	**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: Mersey Primacy: 1	A12SE (SE)	56	4	370973 368397
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 64.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (E)	81	4	370561 368780
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 87.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (E)	139	4	370479 368809

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 117.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (E)	159	4	370373 368773
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 158.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11NE (NE)	168	4	370238 368874
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11NE (NE)	172	4	370235 368876
42	**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: Mersey Primacy: 1	A11NE (NE)	173	4	370226 368882
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11NE (N)	200	4	370175 368934
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 328.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11NE (N)	202	4	370172 368935
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11NE (E)	211	4	370360 368775
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11NE (E)	212	4	370364 368773
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (E)	215	4	370373 368770

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 220.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (N)	237	4	369978 369167
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 61.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	271	4	370844 368157
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	308	4	370839 368156
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	311	4	370815 368145
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	330	4	370812 368142
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	333	4	370785 368123
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	362	4	370781 368121
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 125.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SE)	365	4	370663 368094
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (NW)	401	4	369813 369281

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	**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: Mersey Primacy: 1	A14NE (NW)	406	4	369574 369426
58	**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: Mersey Primacy: 1	A14NE (NW)	407	4	369601 369394
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (NW)	407	4	369588 369429
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 117.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (NW)	410	4	369804 369289
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 196.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	431	4	370950 367994
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 96.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (NW)	445	4	369627 369301
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 406.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NW)	447	4	369253 369314
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 284.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SE)	447	4	370662 368092
65	**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: Mersey Primacy: 1	A8NE (SE)	472	4	370938 367976

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 105.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	491	4	370907 367950
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15NW (NW)	514	4	369701 369297
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 70.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15NW (NW)	518	4	369697 369297
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 216.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (W)	578	4	369327 369116
70	**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: Mersey Primacy: 1	A8SE (SE)	583	4	370880 367868
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	584	4	370880 367868
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 226.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	584	4	370880 367868
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 51.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	670	4	370722 367816
74	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 96.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (SE)	705	4	370517 367876

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 76.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	713	4	370738 367766
76	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 10.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NW)	715	4	368935 369404
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 164.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NW)	725	4	368925 369384
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (W)	738	4	369328 369111
79	**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: Mersey Primacy: 1	A14SW (W)	742	4	369332 369103
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (W)	749	4	369334 369098
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 347.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A10NE (W)	753	4	369531 368835
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 241.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A10NE (W)	755	4	369681 368645
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 128.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NW)	757	4	368813 369482

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (SE)	763	4	370557 367790
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (SE)	765	4	370558 367787
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (SE)	774	4	370566 367772
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A10NE (W)	777	4	369535 368831
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 150.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	777	4	370757 367694
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 121.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (SE)	784	4	370578 367755
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	822	4	370992 367628
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 862.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dane Catchment Name: Mersey Primacy: 1	A4NE (SE)	825	4	370989 367596
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 625.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dane Catchment Name: Mersey Primacy: 1	A4NE (SE)	854	4	370974 367589

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 65.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	886	4	370589 367636
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 72.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A4NE (SE)	899	4	370788 367563
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 113.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A4NW (S)	937	4	370608 367574
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A4NW (SE)	957	4	370706 367521
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 69.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A4NE (SE)	961	4	370738 367509
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Puddinglake Brook WaterBody ID: GB112068060220 Operational Catchment: Dane Management Catchment: Weaver Gowy Catchment Name: Weaver Gowy	A11NE (NE)	0	2	370122 368788
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Dane (Cow Brook to Wheelock) WaterBody ID: GB112068060190 Operational Catchment: Dane Management Catchment: Weaver Gowy Catchment Name: Weaver Gowy	A11SE (S)	34	2	370180 368560
	Water Framework Directive - Groundwater Waterbody Name: Weaver and Dane Quaternary Sand and Gravel Aquifers Waterbody ID: GB41202G991700 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41202G991700 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Good Year: 2019	A11NE (NE)	0	2	370122 368788

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	**Historical Landfill Sites** Licence Holder: Mr R Atkin Location: Byley, Middlewich, Cheshire Name: Yatehouse Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD17666 First Input Date: 30th June 1978 Last Input Date: 31st May 1979 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0600/0069 BGS Ref: Not Supplied Other Ref: 60434	A12NW (E)	101	2	370577 368705
99	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Winsford Rock Salt Mine Waste Disposal Facility - Epr/Ap3238gh Licence Number: 0 Location: JACK LANE, BOSTOCK, MIDDLEWICH, CHESHIRE, CW10 9JQ Licence Holder: Veolia Es (Uk) Limited Authority: Environment Agency - North West Region, South Area Site Category: Underground Storage of Hazarous Waste with a Total Capacity > 50 Tonnes Max Input Rate: Not Supplied **Licence Status:** **Effective** Issued: 14th November 2014 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A13SE (W)	796	2	368917 369154
	Local Authority Landfill Coverage Name: Vale Royal Borough Council - Has supplied landfill data		0	5	370122 368788
	Local Authority Landfill Coverage Name: Cheshire County Council - Has supplied landfill data		0	6	370122 368788
100	**Local Authority Recorded Landfill Sites** Location: Yatehouse Green Farm, Yatehouse Green, Byley Reference: 4/443 Authority: Vale Royal Borough Council (now part of Cheshire West and Chester Council), Environmental Health Department **Last Reported Status:** **Not Supplied** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A12NW (E)	0	5	370680 368725
101	**Registered Landfill Sites** Licence Holder: A Atkin Licence Reference: Z 60434 Site Location: Yatehouse Farm, Byley, Middlewich, Cheshire Licence Easting: 370620 Licence Northing: 368600 Operator Location: As Site Address Authority: Environment Agency - North West Region, South 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: Licence lapsed/cancelled/defunct/not applicable/surrendered Dated: 15th June 1978 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: Excavated Natural Materials $ Hardcore And Rubble	A12SW (E)	145	2	370620 368600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	**Planning Hazardous Substance Consents** Name: Keuper Gas Storage Limited Location: Stublach Gas Storage Project, Drakelow Lane, Byley, Northwich, Cheshire Authority: Cheshire West and Chester Council, Planning Department Application Ref: 16/01362/HAZ Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: 31st March 2016 **Decision: Unknown at time of reportUnknown** Positional Accuracy: Manually positioned within the geographical locality	A16NE (NE)	0	7	371017 369503

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A11NE (NE)	0	1	370122 368788
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (NE)	0	1	370122 368788
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A11NW (W)	0	1	370000 368788
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NE (SE)	235	1	370171 368681
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (W)	386	1	369000 369000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NE (SE)	399	1	371000 368000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SE (SE)	600	1	371006 367686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SE (SE)	773	1	371000 367678
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	CBSCB Compensation District Description: In an area which may be affected by historic brine pumping (the Compensation District). The Law Society recommend that all property transactions should obtain a CON29M search. The CBSCB website: http://www.cheshirebrine.com/ has information regarding how to obtain a search and other information regarding the continuing functions of the Board. Contact details are included in the Useful Contacts section. Source: Cheshire Brine Subsidence Compensation Board (CBSCB)	A11NE (NE)	0	8	370122 368788
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Evaporites Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A11NE (NE)	0	-	370122 368788
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A15SE (N)	0	1	370224 369197
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	9	1	369804 368751
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	67	1	369804 368751
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	370122 368788
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	370000 368788
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	235	1	370458 368694
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	370122 368788
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	370000 368788
	Potential for Compressible Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A12NW (E)	235	1	370458 368694
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	370000 368788
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	370122 368788
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A11NW (SW)	119	1	369935 368694

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	370000 368788
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	370122 368788
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	370122 368788
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	370000 368788
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NW (W)	0	1	370000 368788
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	370122 368788
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11NE (SE)	235	1	370171 368681
	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 (NE)	0	1	370122 368788
	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	A11NW (W)	0	1	370000 368788
	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 (NE)	0	1	370122 368788
	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	A11NW (W)	0	1	370000 368788

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	**Contemporary Trade Directory Entries** Name: Kingstreet Sires Location: Ravenscroft Hall Farm, King Street, Byley, Middlewich, CW10 9LE Classification: Agricultural Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	867	-	370466 367720
104	**Points of Interest - Manufacturing and Production** Name: P J Wilkinson Location: Yatehouse Lane, Byley, Middlewich, CW10 9NS Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A12NW (E)	90	9	370591 368859
105	**Points of Interest - Manufacturing and Production** Name: P W Stocks Location: King Street, Byley, Middlewich, CW10 9LB Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A11NW (W)	565	9	369784 368844
106	**Points of Interest - Public Infrastructure** Name: Slurry Bed Location: CW10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12NW (E)	34	9	370697 368704
107	**Points of Interest - Public Infrastructure** Name: Slurry Bed Location: CW10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	644	9	369538 369186

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	**Nitrate Vulnerable Zones** Name: River Weaver (Dane To Frodsham) Nvz Description: Surface Water Source: Environment Agency, Head Office	A11NE (NE)	0	2	370122 368788
109	**World Heritage Sites** Name: Jodrell Bank Observatory Reference: 1466112 Area(m²): 185936210.48 Source: Historic England Designation Date: 30th July 2019	(E)	0	11	371162 369030

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	May 2009	
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Community Services Directorate	November 2008	Not Applicable
Environment Agency - Head Office	November 2023	Annually
Cheshire East Council - Environmental Health Department	October 2017	Annually
Cheshire West and Chester Council - Environmental Health Department	October 2017	Annually
Discharge Consents		
Environment Agency - North West Region	April 2025	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	April 2025	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	January 2009	Not Applicable
Cheshire West and Chester Council - Environmental Health Department	July 2015	Variable
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	June 2009	Not Applicable
Cheshire East Council - Environmental Health Department	September 2023	Variable
Local Authority Pollution Prevention and Controls		
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	January 2009	Not Applicable
Cheshire West and Chester Council - Environmental Health Department	July 2015	Annually
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	June 2009	Not Applicable
Cheshire East Council - Environmental Health Department	September 2023	Annually
Local Authority Pollution Prevention and Control Enforcements		
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	January 2009	Not Applicable
Cheshire West and Chester Council - Environmental Health Department	July 2015	Variable
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	June 2009	Not Applicable
Cheshire East Council - Environmental Health Department	September 2023	Variable
Nearest Surface Water Feature		
Ordnance Survey	April 2025	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Historical Prosecutions		
Environment Agency, North West Region	March 2013	Not Applicable
Registered Radioactive Substances		
Environment Agency - Head Office	May 2023	
Environment Agency - North West Region	May 2023	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - South Area	April 2025	Quarterly
Water Abstractions		
Environment Agency - North West Region	April 2025	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified

Data Currency

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	June 2025	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	April 2025	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2025	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2025	Annually

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 2025	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	May 2025	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	April 2025	Quarterly
Local Authority Landfill Coverage		
Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department	February 2003	Not Applicable
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	February 2003	Not Applicable
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department	October 2018	
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	October 2018	
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	June 2025	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	August 2009	Not Applicable
Cheshire West and Chester Council - Planning Department	August 2023	Variable
Cheshire East Council - Planning Department	February 2016	Variable
Cheshire County Council (now part of Cheshire East Council) - Planning Department	July 2008	Annual Rolling Update
Congleton Borough Council (now part of Cheshire East Council)	July 2009	Not Applicable
Planning Hazardous Substance Consents		
Cheshire West and Chester Council - Planning Department	April 2016	Variable
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	August 2009	Not Applicable
Cheshire East Council - Planning Department	February 2016	Variable
Cheshire County Council (now part of Cheshire East Council) - Planning Department	July 2008	Annual Rolling Update
Congleton Borough Council (now part of Cheshire East Council)	July 2009	Not Applicable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	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	February 2023	
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	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	June 2025	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	May 2025	Quarterly
Points of Interest - Commercial Services PointX	June 2025	Quarterly
Points of Interest - Education and Health PointX	June 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2025	Quarterly
Points of Interest - Public Infrastructure PointX	June 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	March 2025	Bi-Annually
Areas of Adopted Green Belt		
Cheshire East Council - Planning Department	July 2025	Quarterly
Cheshire West and Chester Council - Planning Department	July 2025	Quarterly
Congleton Borough Council (now part of Cheshire East Council)	July 2025	Quarterly
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	July 2025	Quarterly
Areas of Unadopted Green Belt		
Cheshire East Council - Planning Department	July 2025	Quarterly
Cheshire West and Chester Council - Planning Department	July 2025	Quarterly
Congleton Borough Council (now part of Cheshire East Council)	July 2025	Quarterly
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	July 2025	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	May 2025	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2023	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	March 2025	Bi-Annually
Marine Nature Reserves		
Natural England	February 2025	Bi-Annually
National Nature Reserves		
Natural England	January 2025	Bi-Annually
National Parks		
Natural England	September 2024	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	November 2024	Annually
Ramsar Sites		
Natural England	February 2025	Bi-Annually
Sites of Special Scientific Interest		
Natural England	May 2025	Bi-Annually
Special Areas of Conservation		
Natural England	January 2025	Bi-Annually
Special Protection Areas		
Natural England	May 2025	Bi-Annually
World Heritage Sites		
Historic England	April 2025	Bi-Annually

Data Suppliers

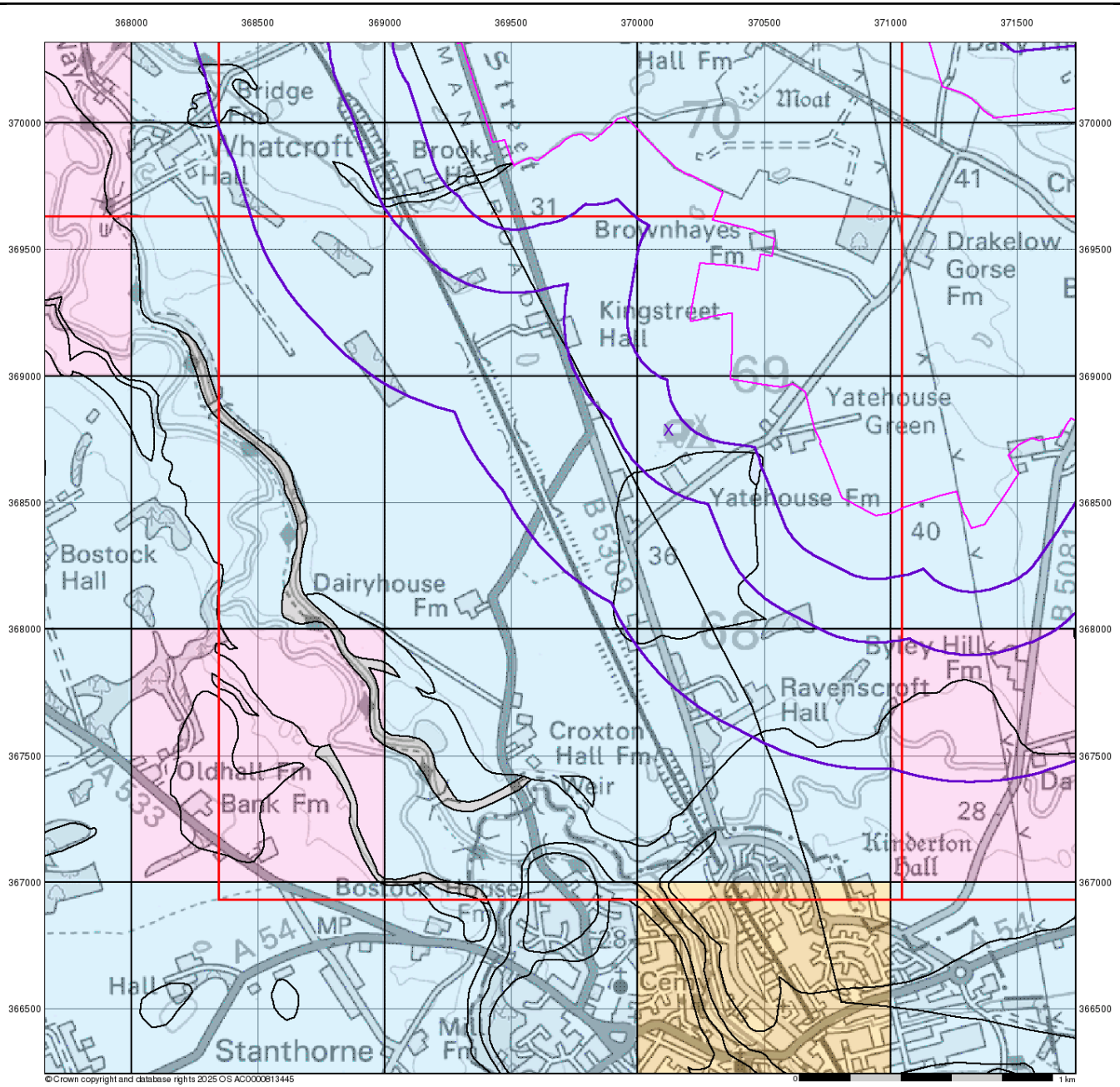
A selection of organisations who provide data within this report

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.co.uk
5	**Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department** 58 Nicholas Street, Chester, Cheshire, CH1 2NP	Telephone: 0300 123 8123 Email: enquiries@cheshirewestandchester.gov.uk Website: www.cheshirewestandchester.gov.uk
6	**Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department** Westfields, Middlewich Road, Sandbach, Cheshire, CW11 1HZ	Telephone: 0300 123 5015 Website: www.cheshireeast.gov.uk
7	**Cheshire West and Chester Council - Planning Department** County Hall, Cheshire, CH1 1SF	Telephone: 0300 1238 123 Email: enquiries@cheshirewestandchester.gov.uk Website: www.cheshirewestandchester.gov.uk
8	**Cheshire Brine Subsidence Compensation Board (CBSCB)** Sir Henry Doulton House, Forge Lane, Etruria, Stoke on Trent, Staffordshire, ST1 5BD	Telephone: 0845 002 0562 Fax: 0845 111 8888 Email: info@cheshirebrine.com Website: www.cheshirebrine.com
9	**PointX** 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
10	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
11	**Historic England** 1 Waterhouse Square, 138 - 142 Holborn, London, EC1N 2ST	Telephone: 0370 333 0607 Email: customers@historicengland.org.uk Website: www.historicengland.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** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.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

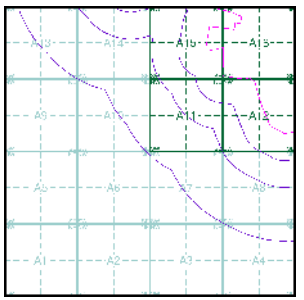
Agency and Hydrological

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 A



Order Details

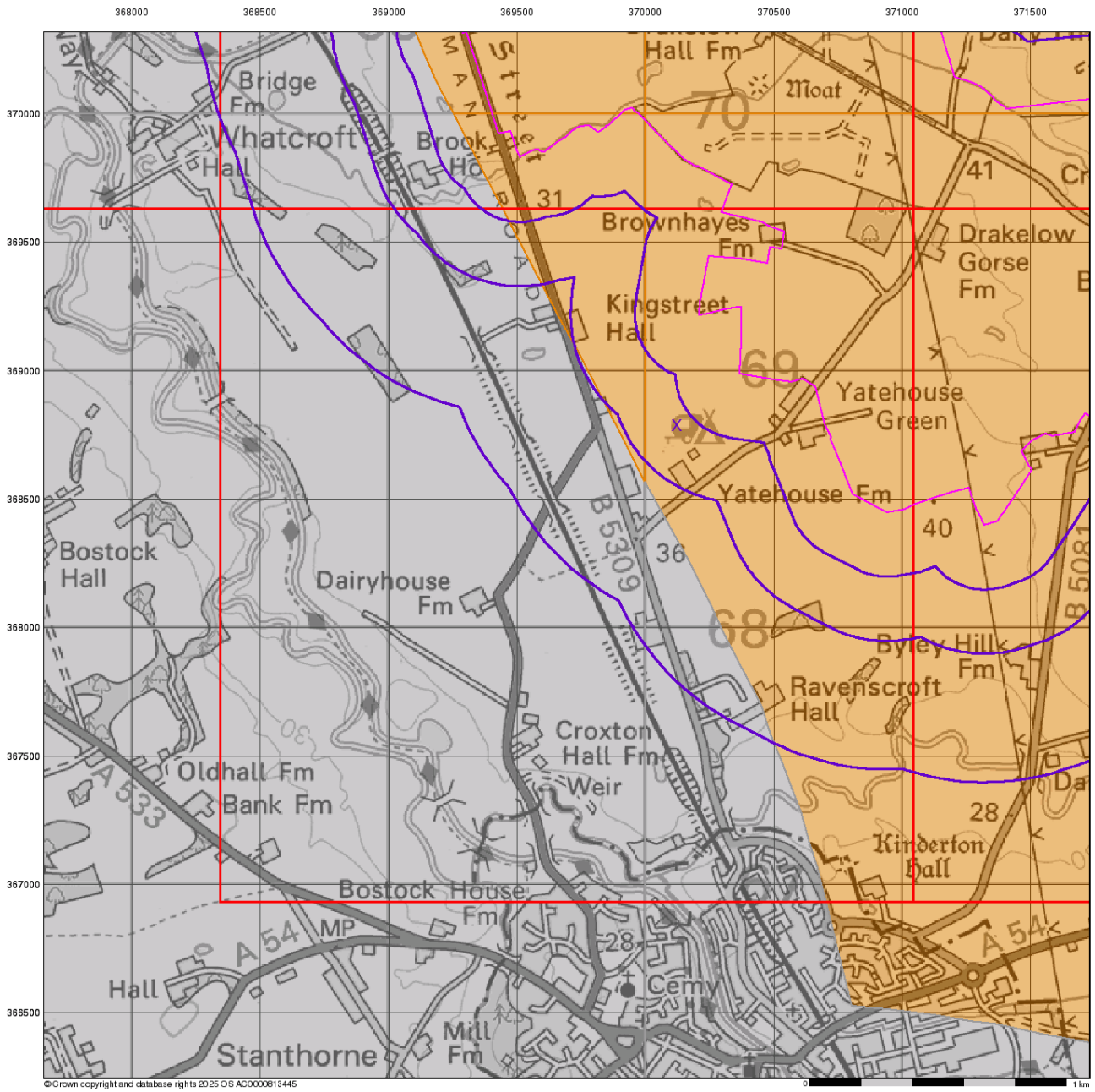
Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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



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Bedrock Aquifer Designation

General

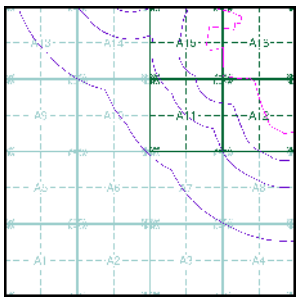
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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 A



Order Details

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Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
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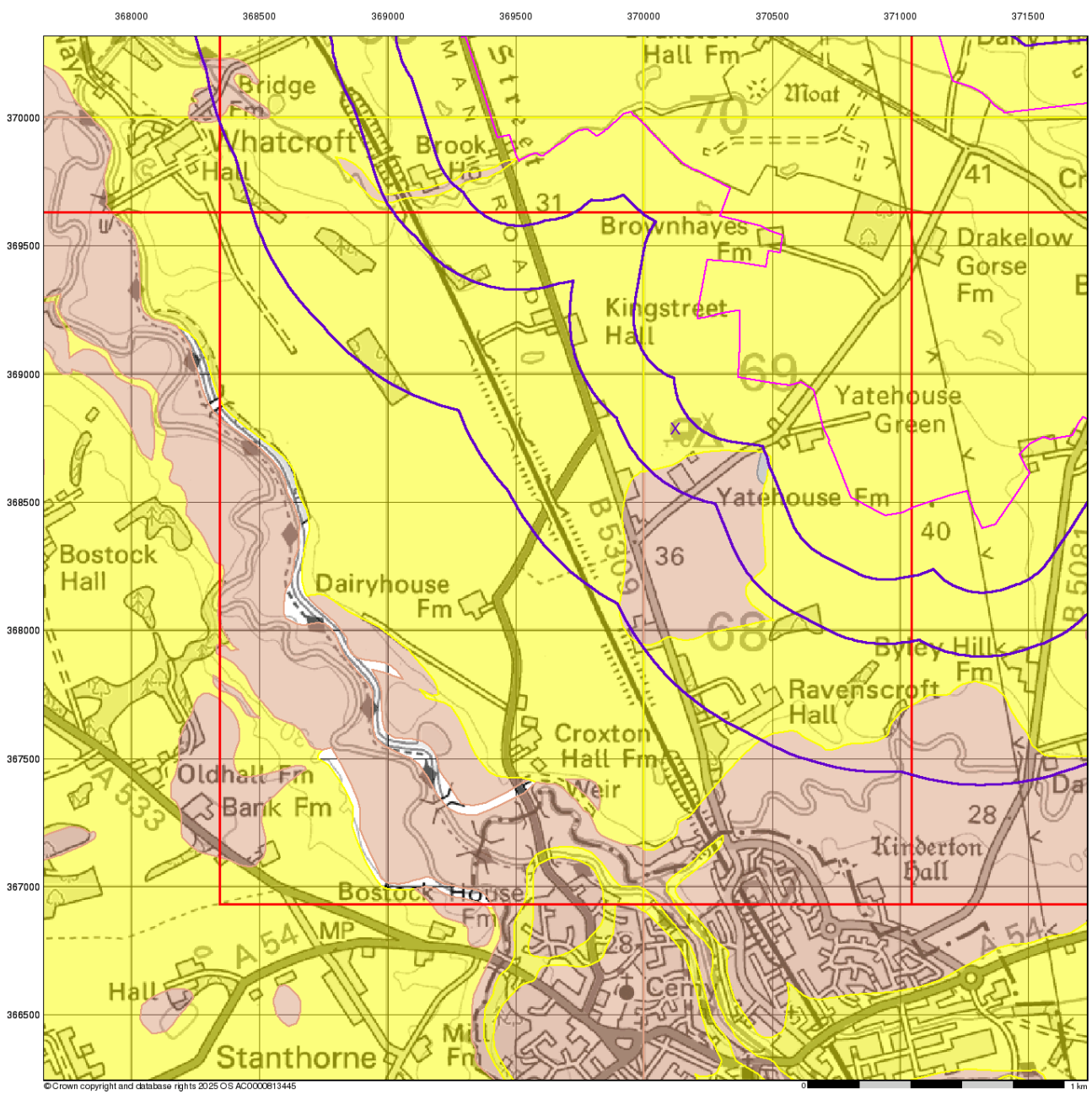

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Superficial Aquifer Designation

General

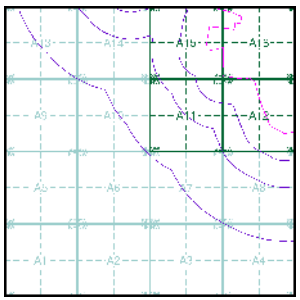
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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 A



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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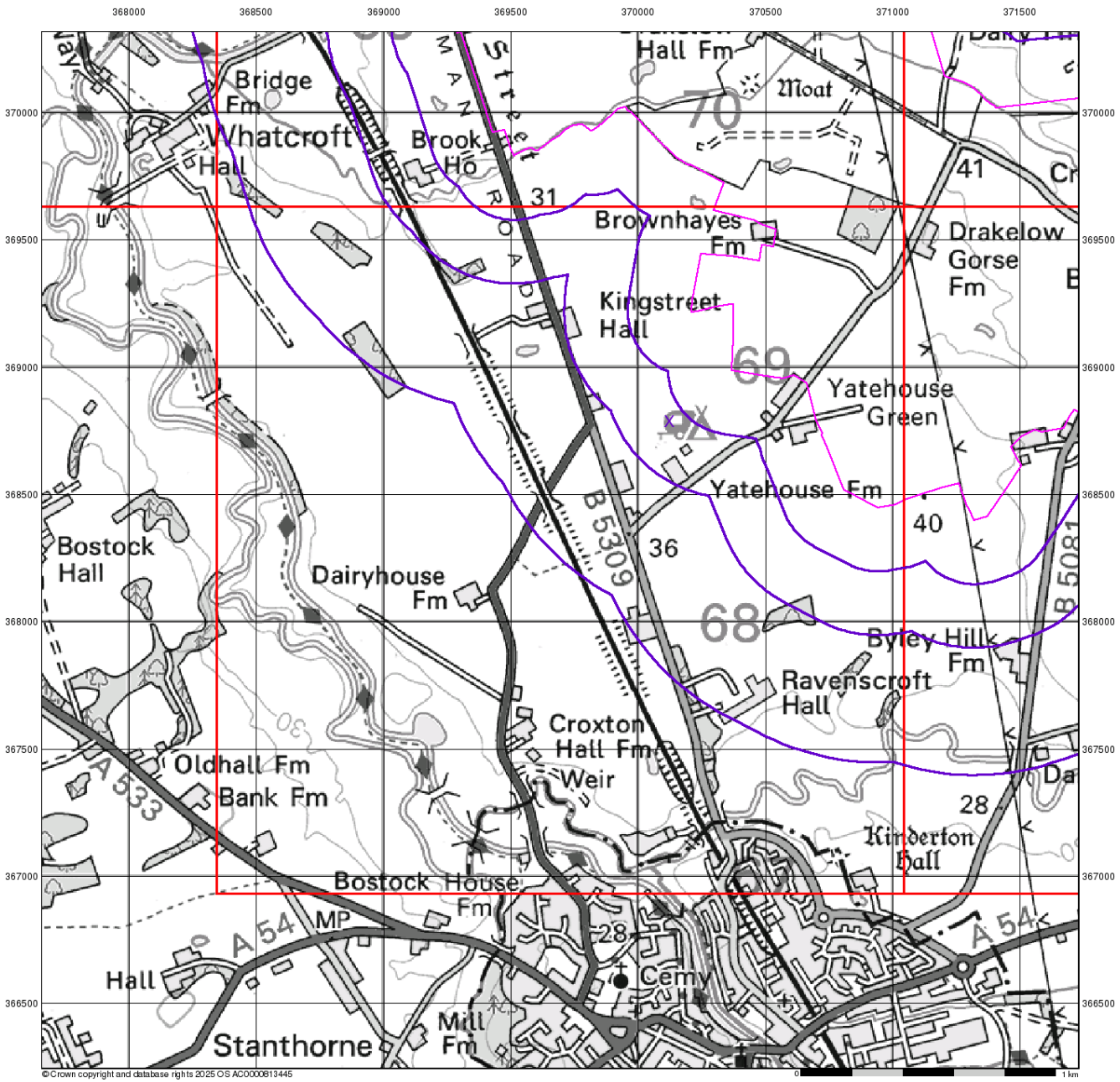

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Source Protection Zones

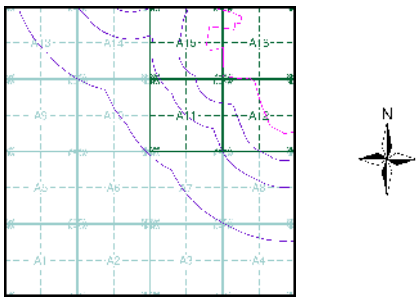
General

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 A



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National Grid Reference:	370120, 368790
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Site Area (Ha):	357.89
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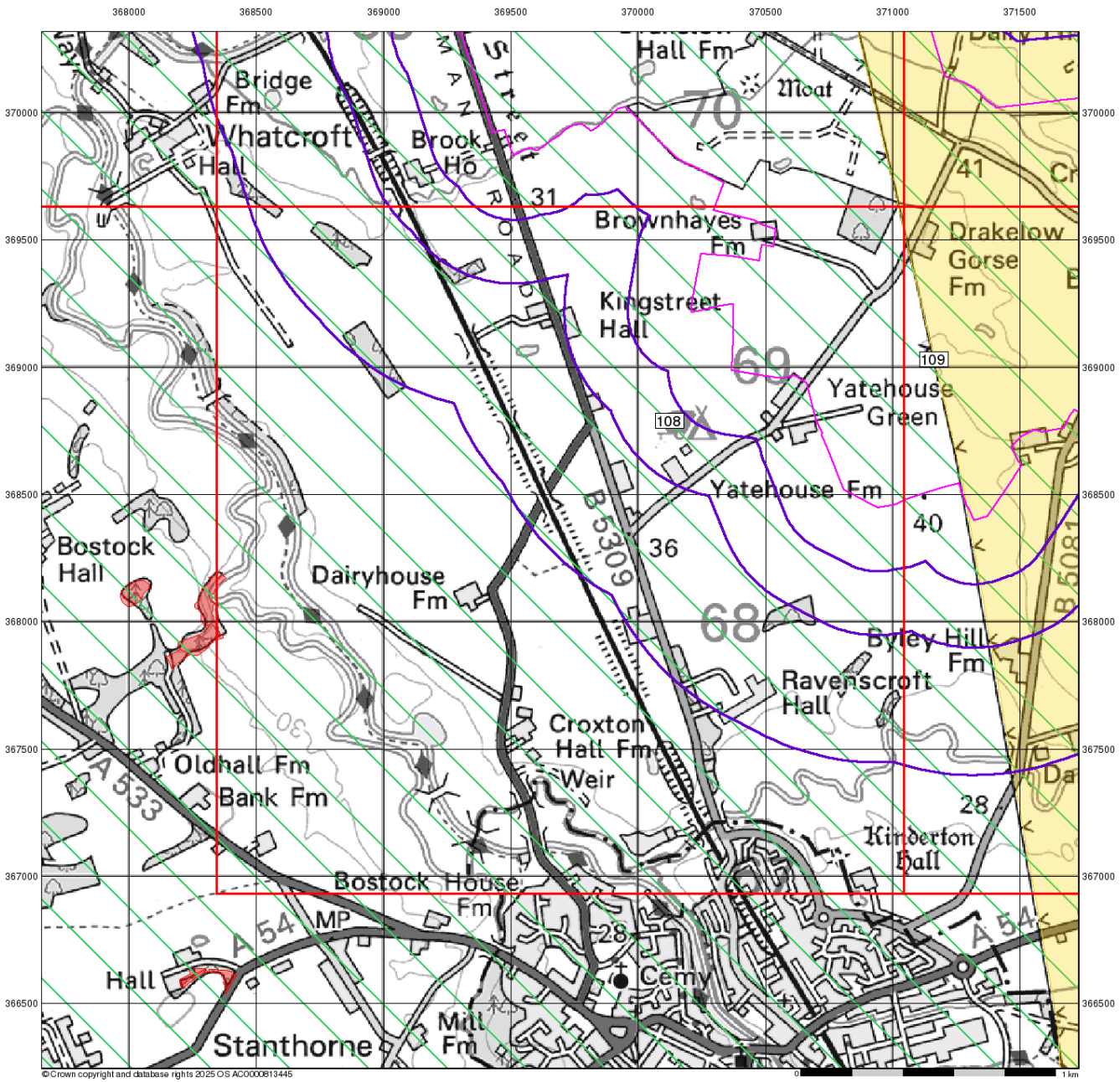

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Sensitive Land Uses

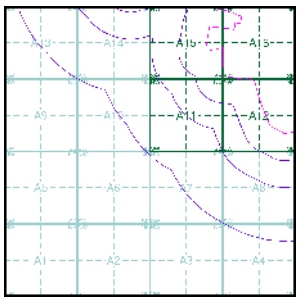
General

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 A



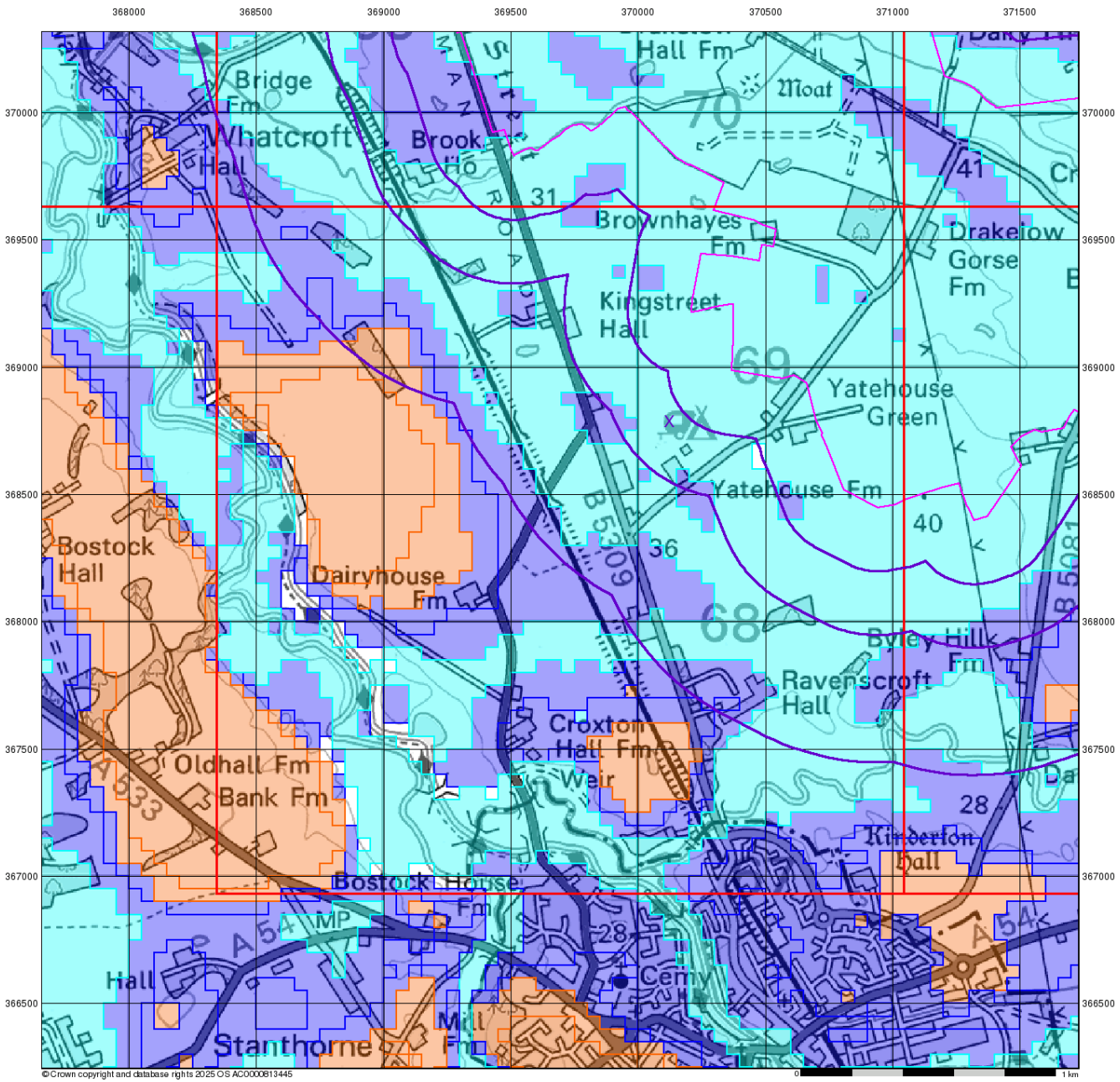
Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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



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BGS Flood GFS Data

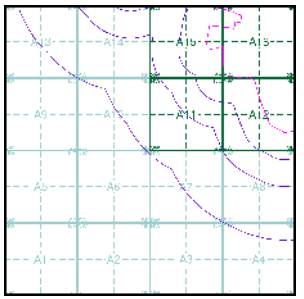
General

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 A



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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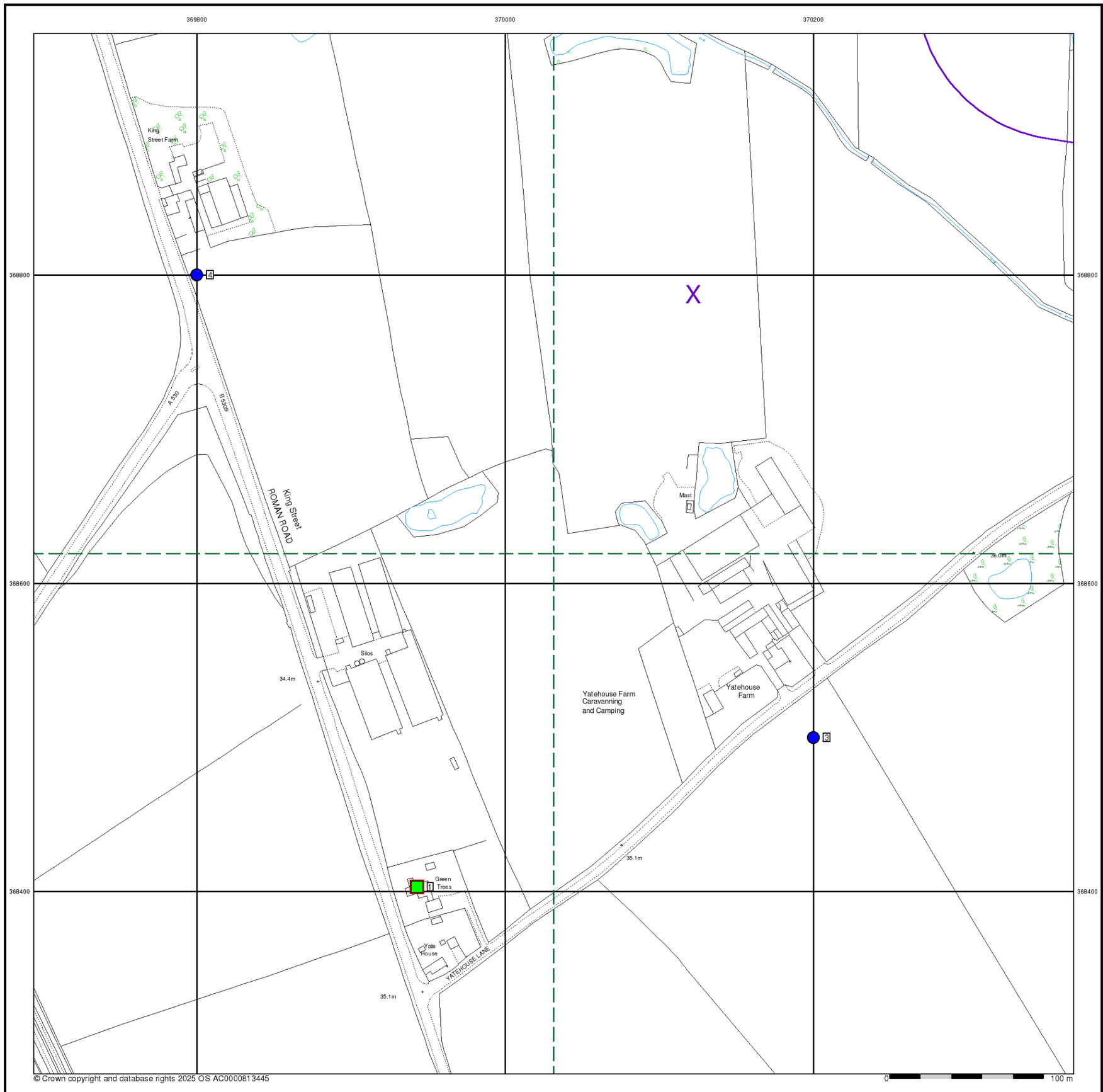


Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

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

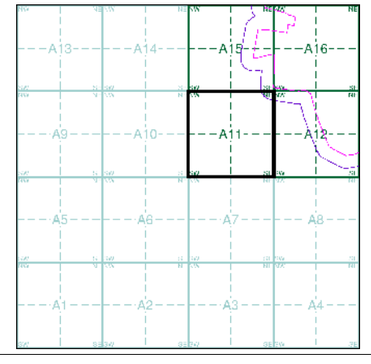
Geological

- BGS Recorded Mineral Site

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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

Site Sensitivity Map - Segment A11



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Plot Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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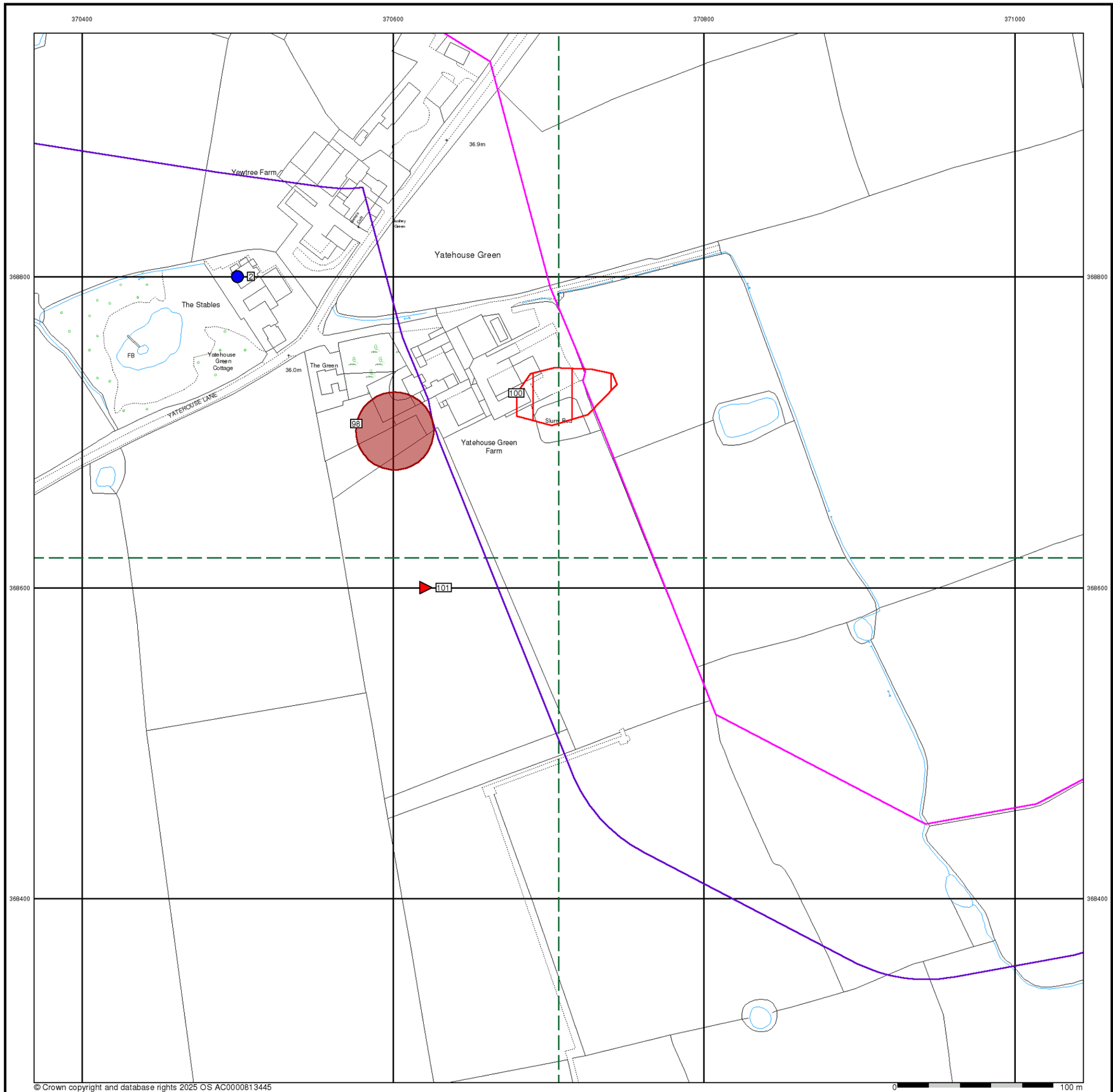

Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- 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)
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- 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

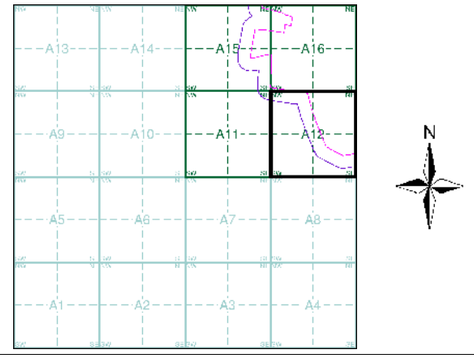
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A12



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Plot Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

Landmark® INFORMATION GROUP

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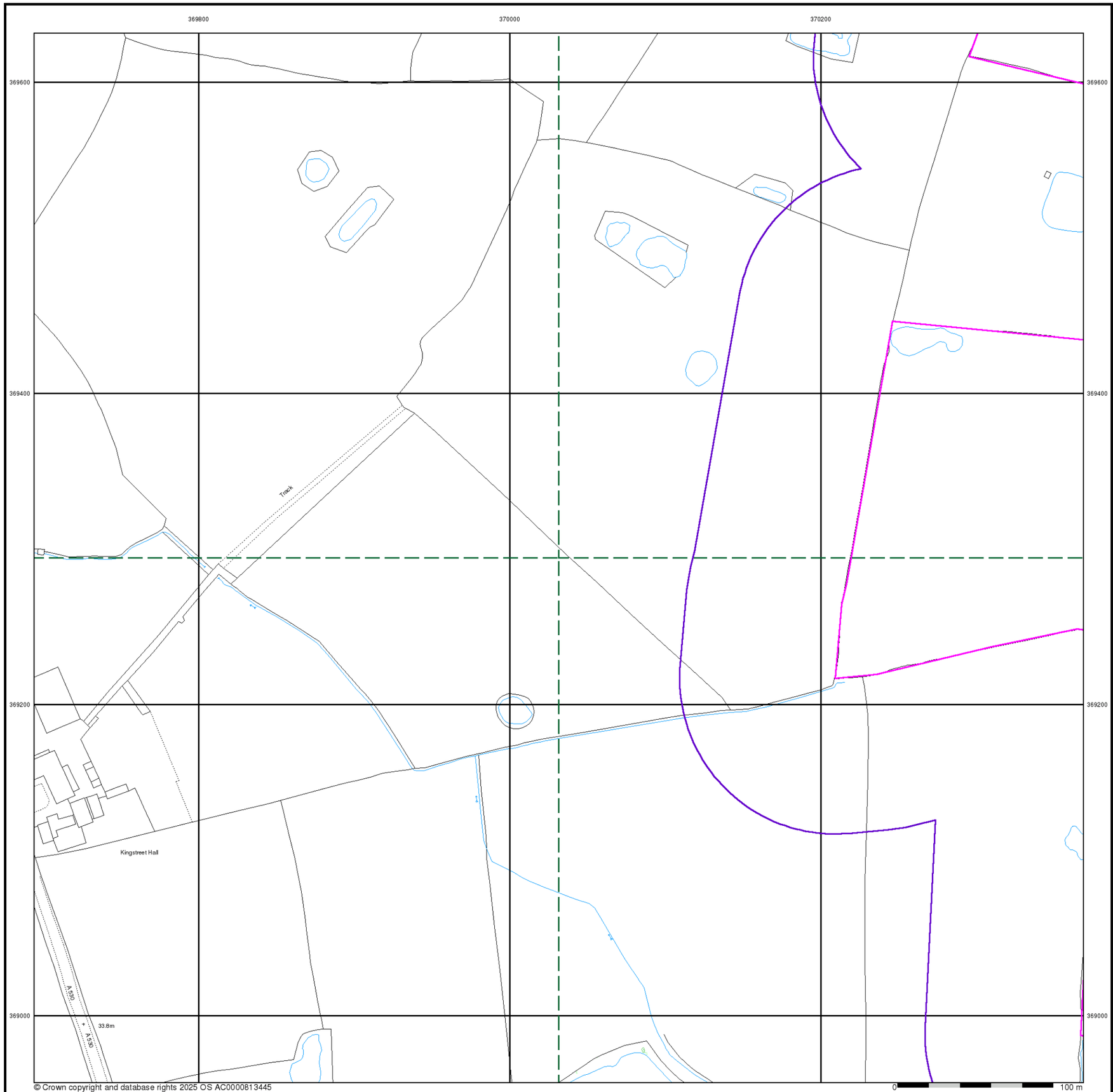

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Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

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
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- Prosecutions
- Registered Radioactive Substance
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- Water Industry Act Referral

Waste

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- Potentially Infilled Land (Water)
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- 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

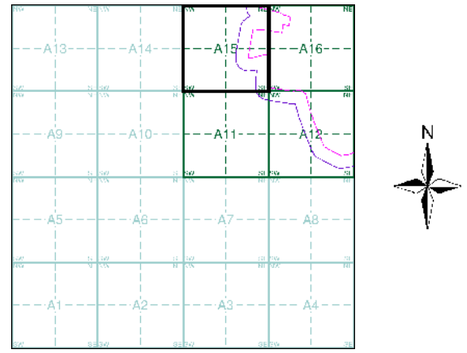
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A15



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Plot Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

Tel: 0844 844 9952
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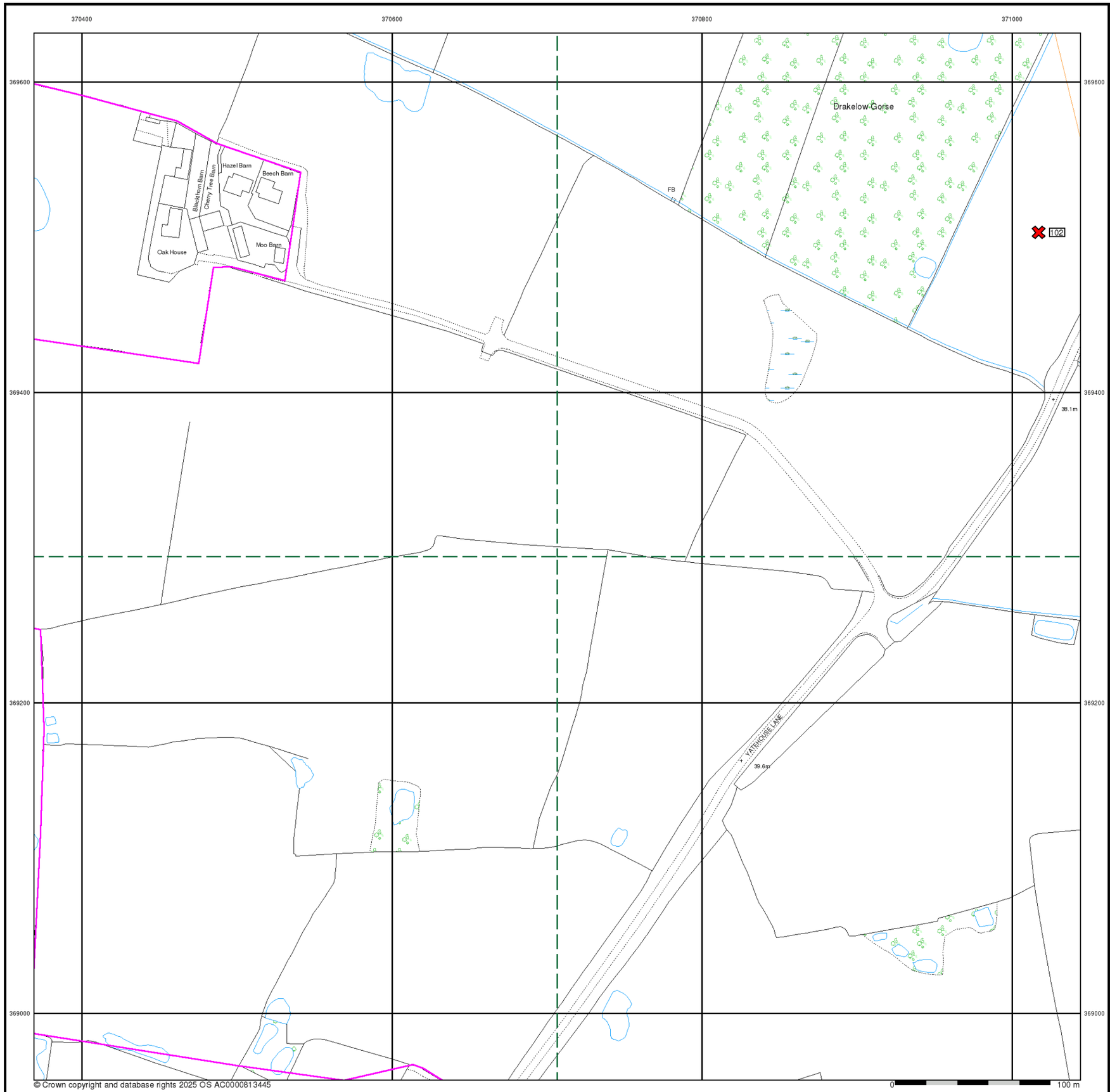

Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
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- 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

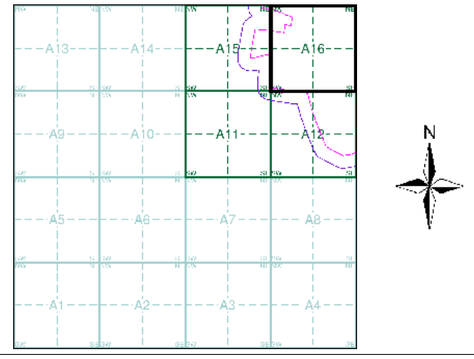
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A16



Order Details

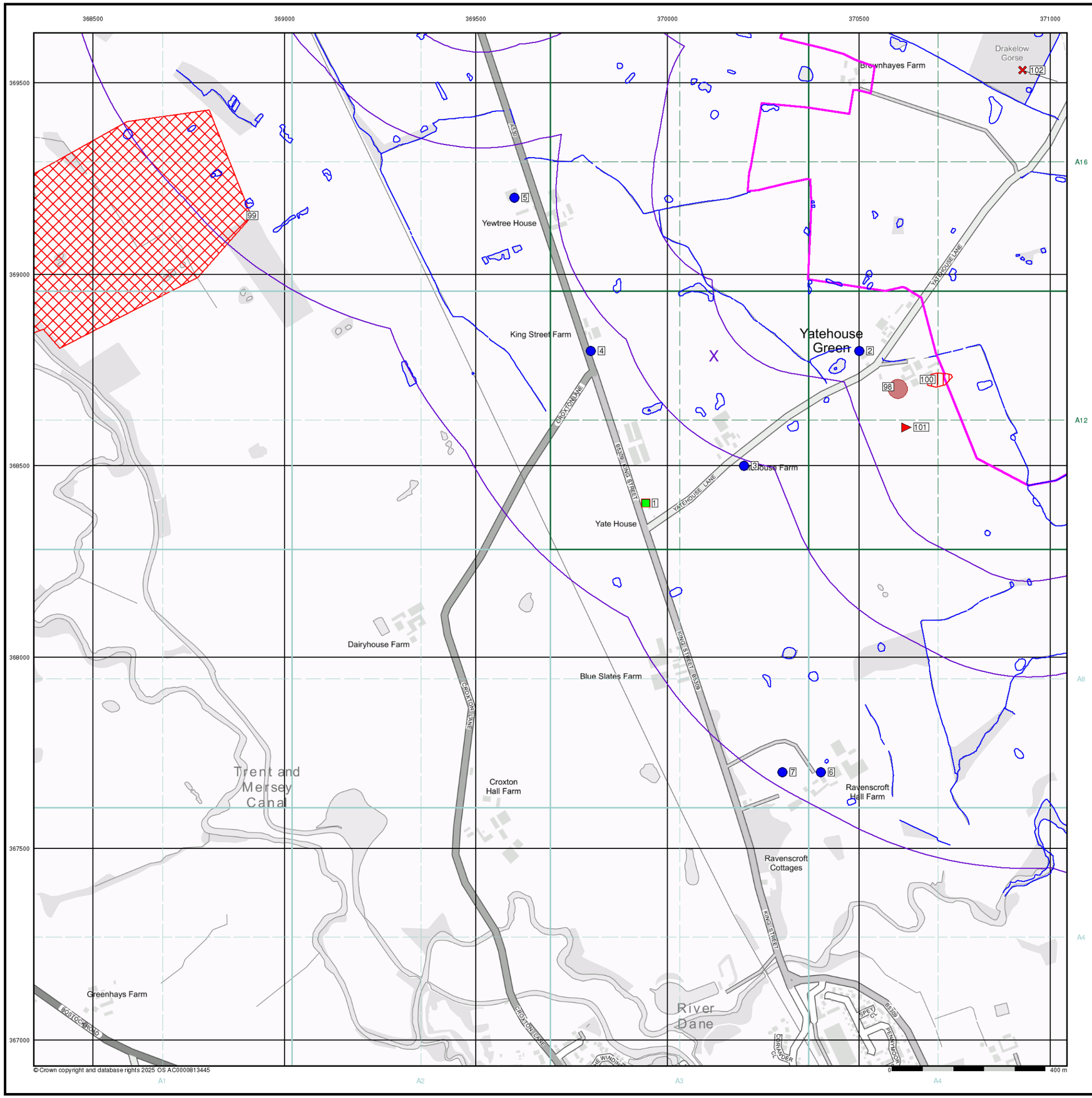
Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Plot Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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



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Envirocheck®

LANDMARK INFORMATION GROUP®

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
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- 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

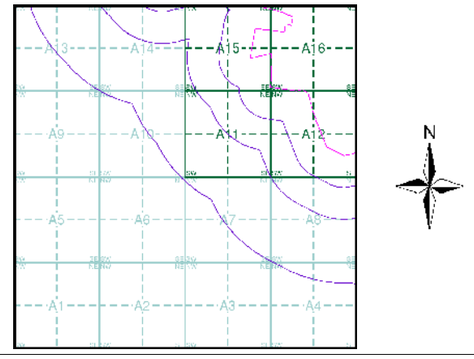
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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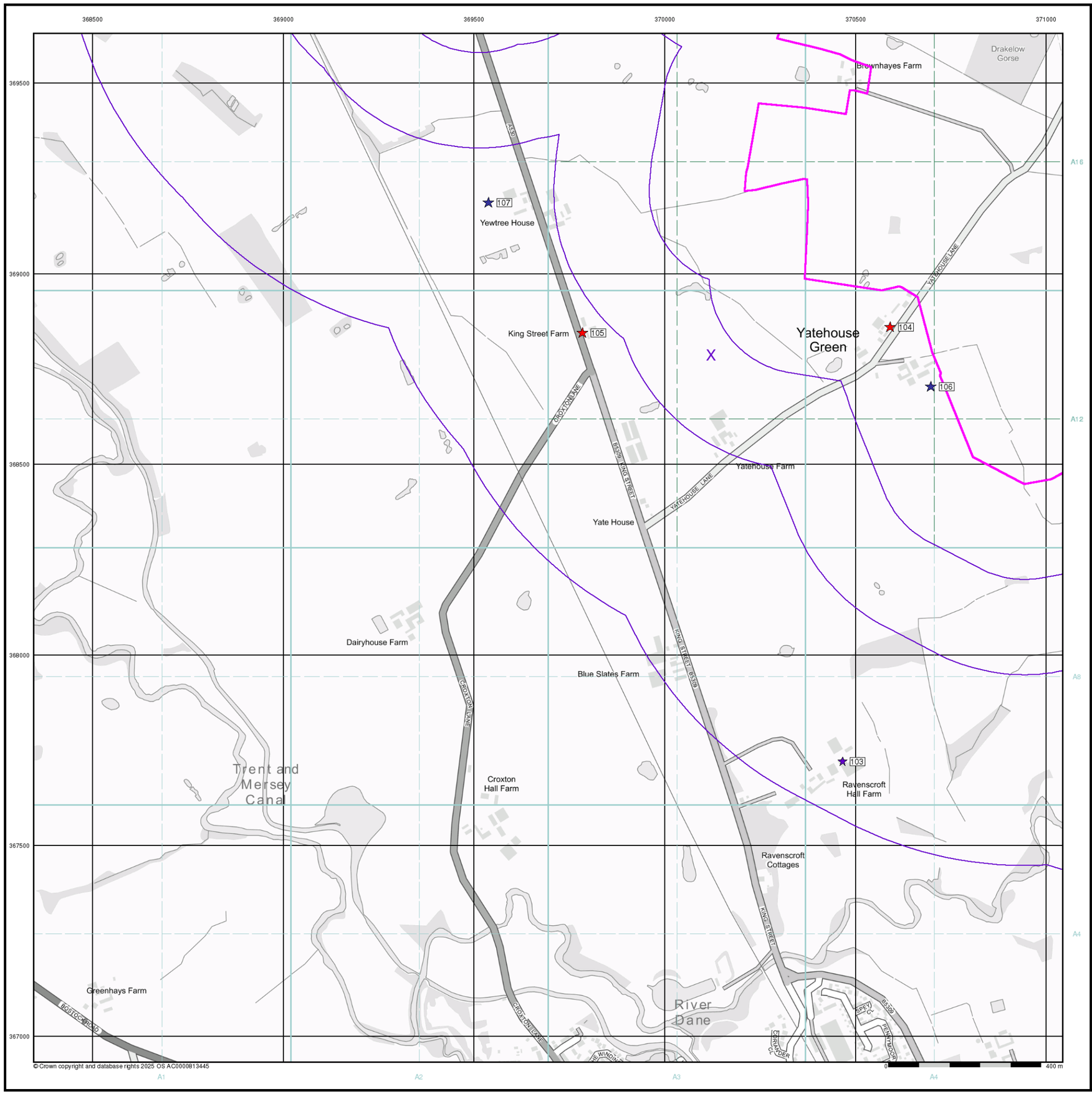
Web: www.envirocheck.co.uk



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Envirocheck®

LANDMARK INFORMATION GROUP®

Industrial Land Use Map

General

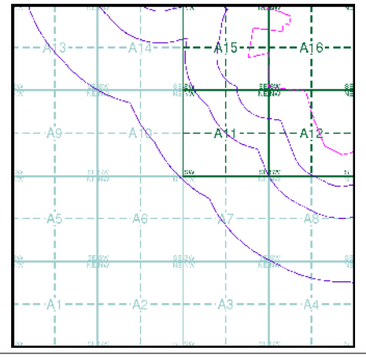
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

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Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

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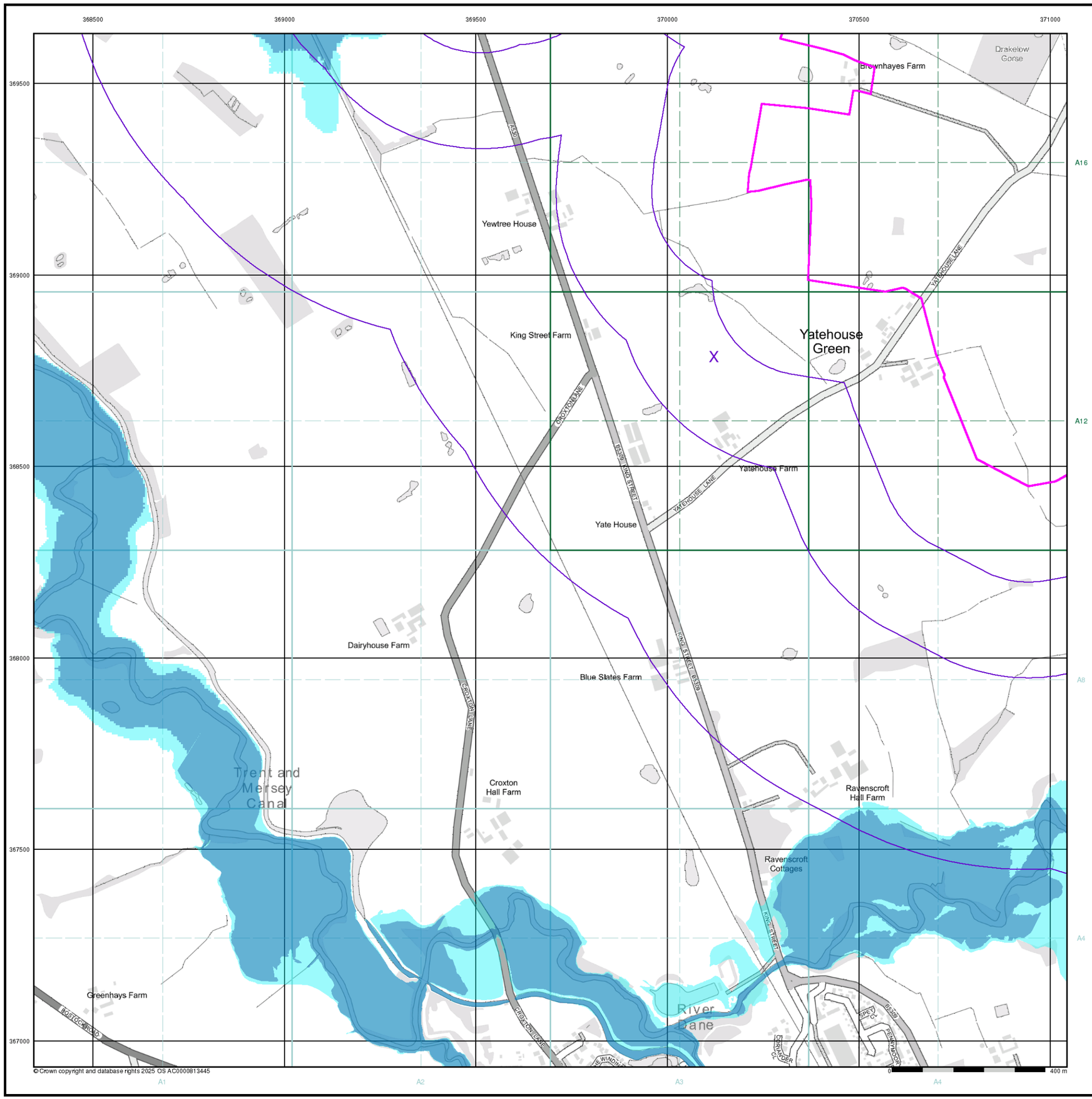


Envirocheck®

LANDMARK INFORMATION GROUP®

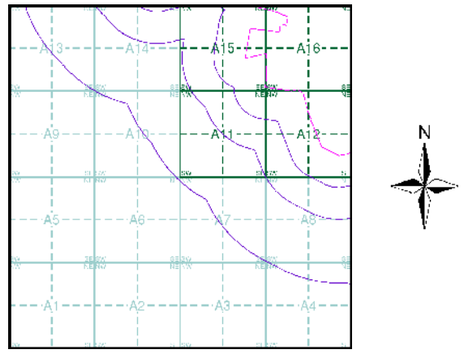
General

- 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

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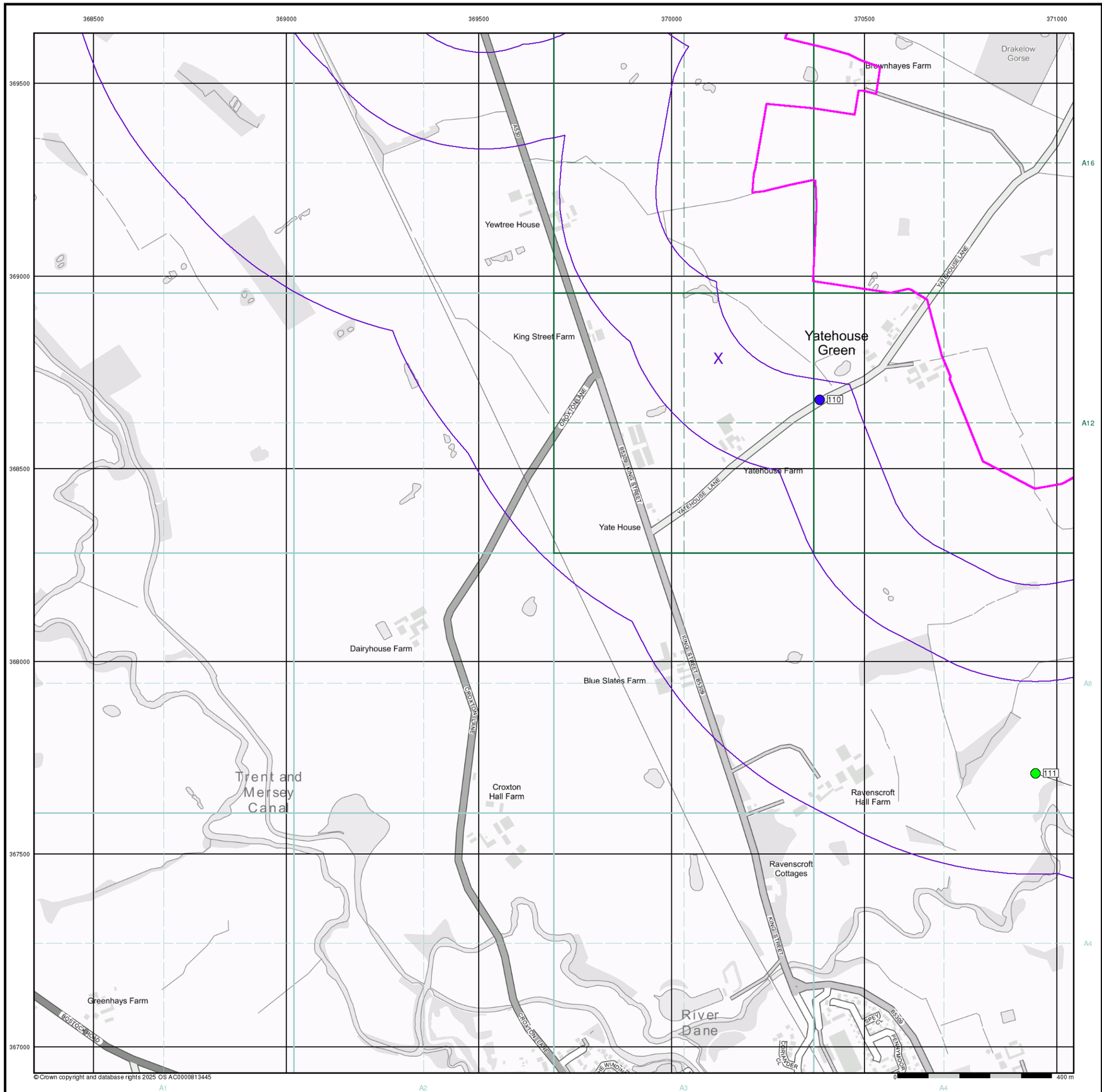


Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

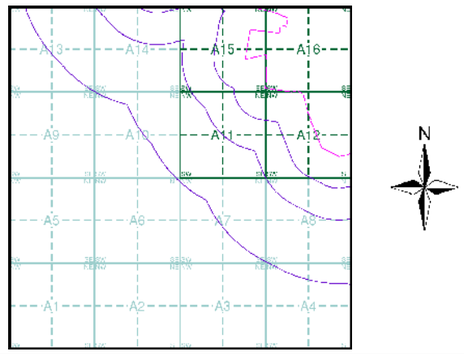
Agency and Hydrological (Boreholes)

- 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



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Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

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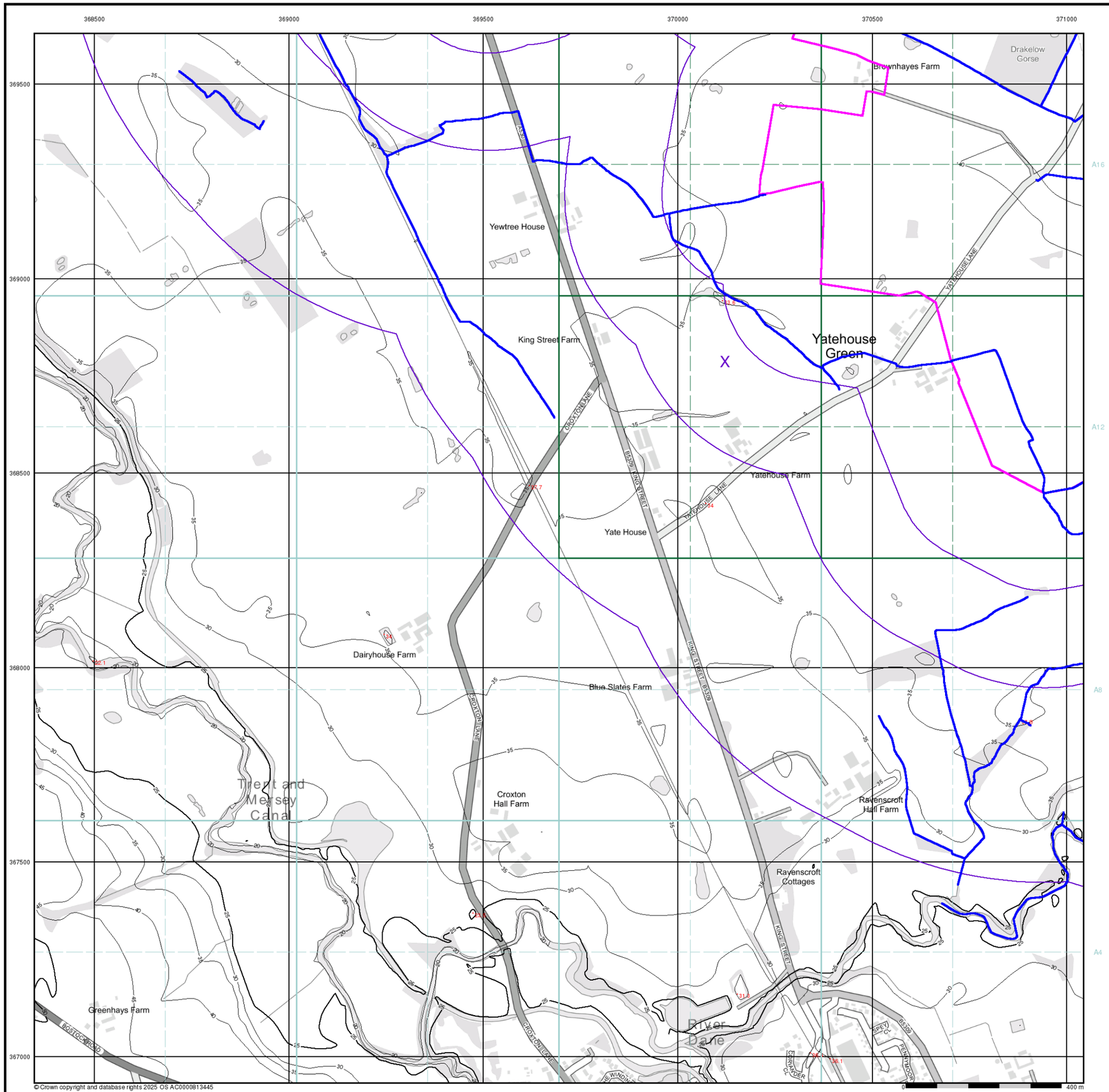

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Envirocheck®

LANDMARK INFORMATION GROUP®

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

Contours (height in meters)

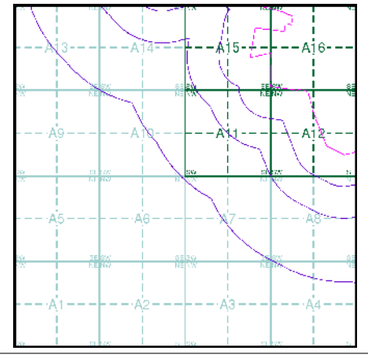
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

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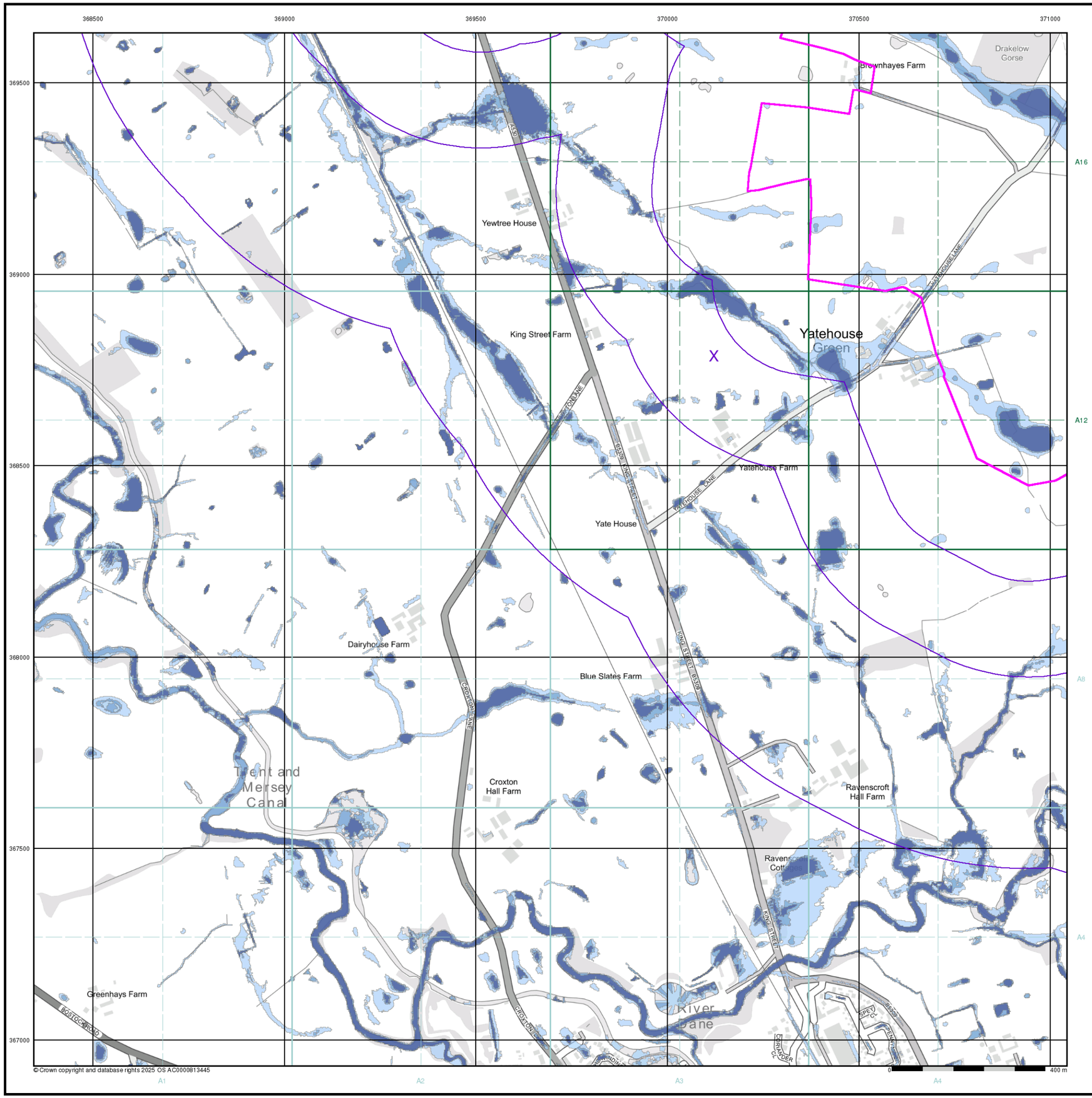


Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

Risk of Flooding from Surface Water

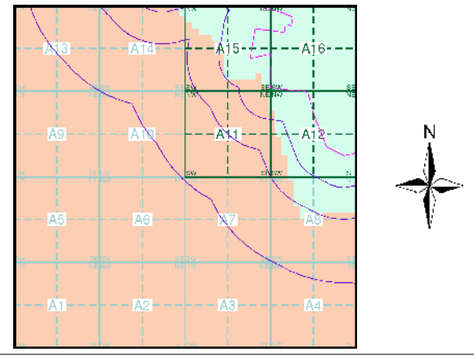
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



Order Details

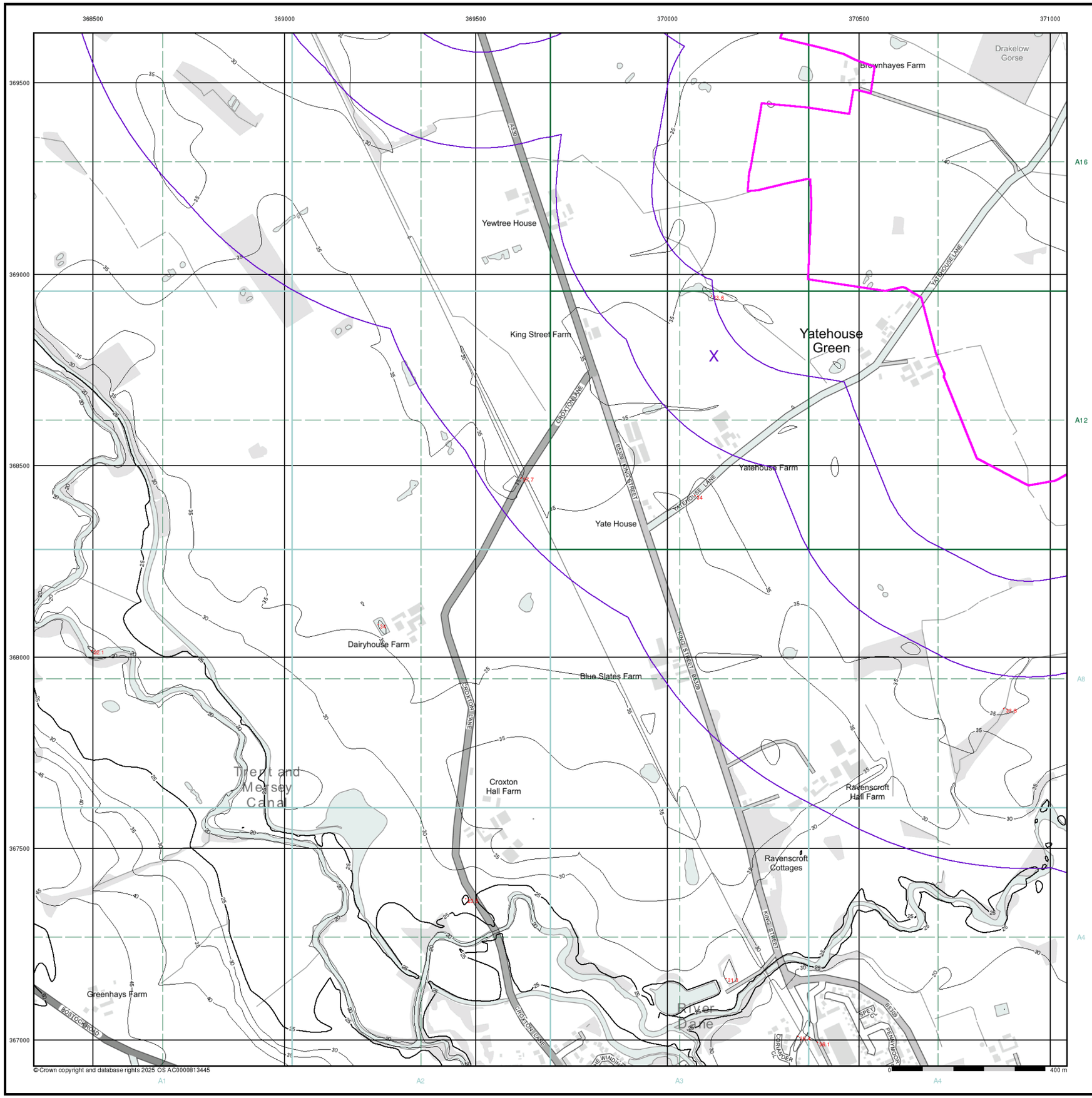
Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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



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WFD Surface Waters Map

General

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

Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

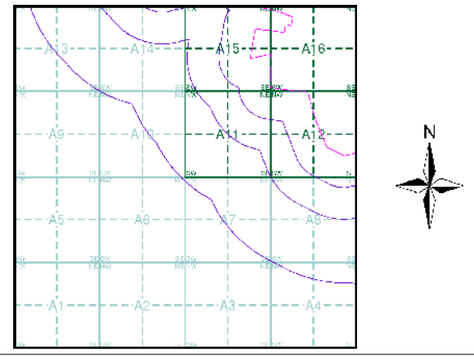
Contours (height in meters)

Standard Contour | Master Contour | Spot Height 167.3

MLW Mean Low Water

MHW Mean High Water

WFD Surface Waters Map - Slice A



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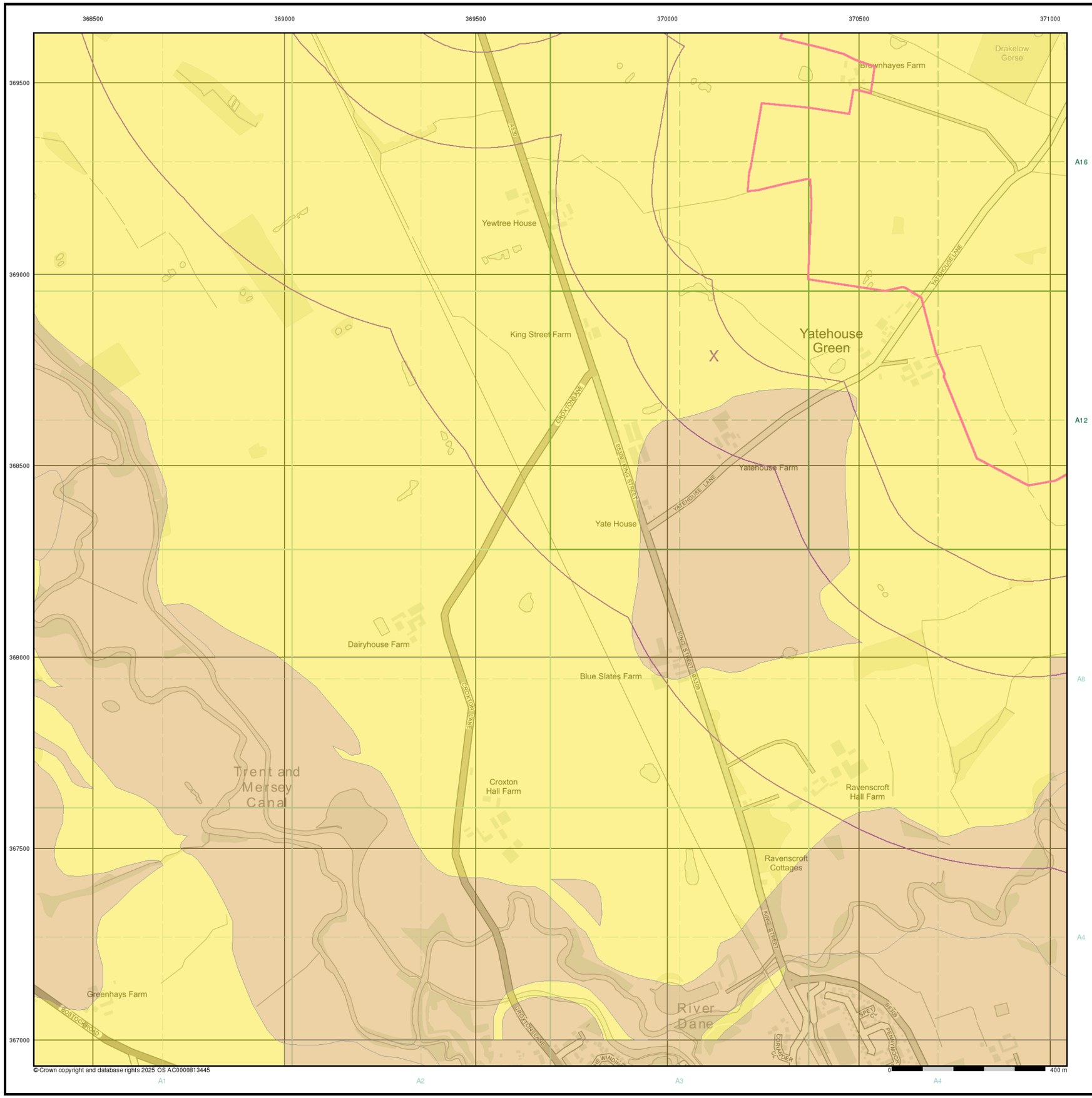

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General

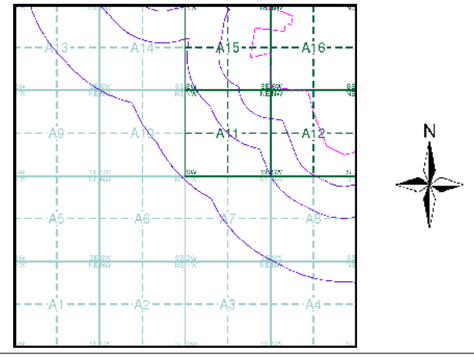
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



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General

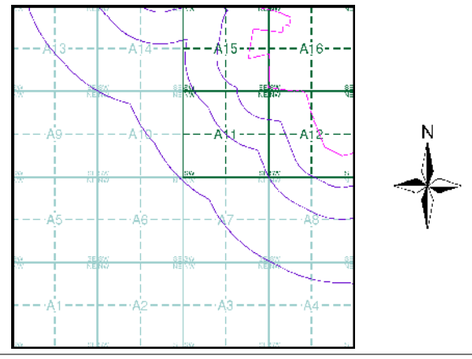
Specified Site Specified Buffer(s) X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



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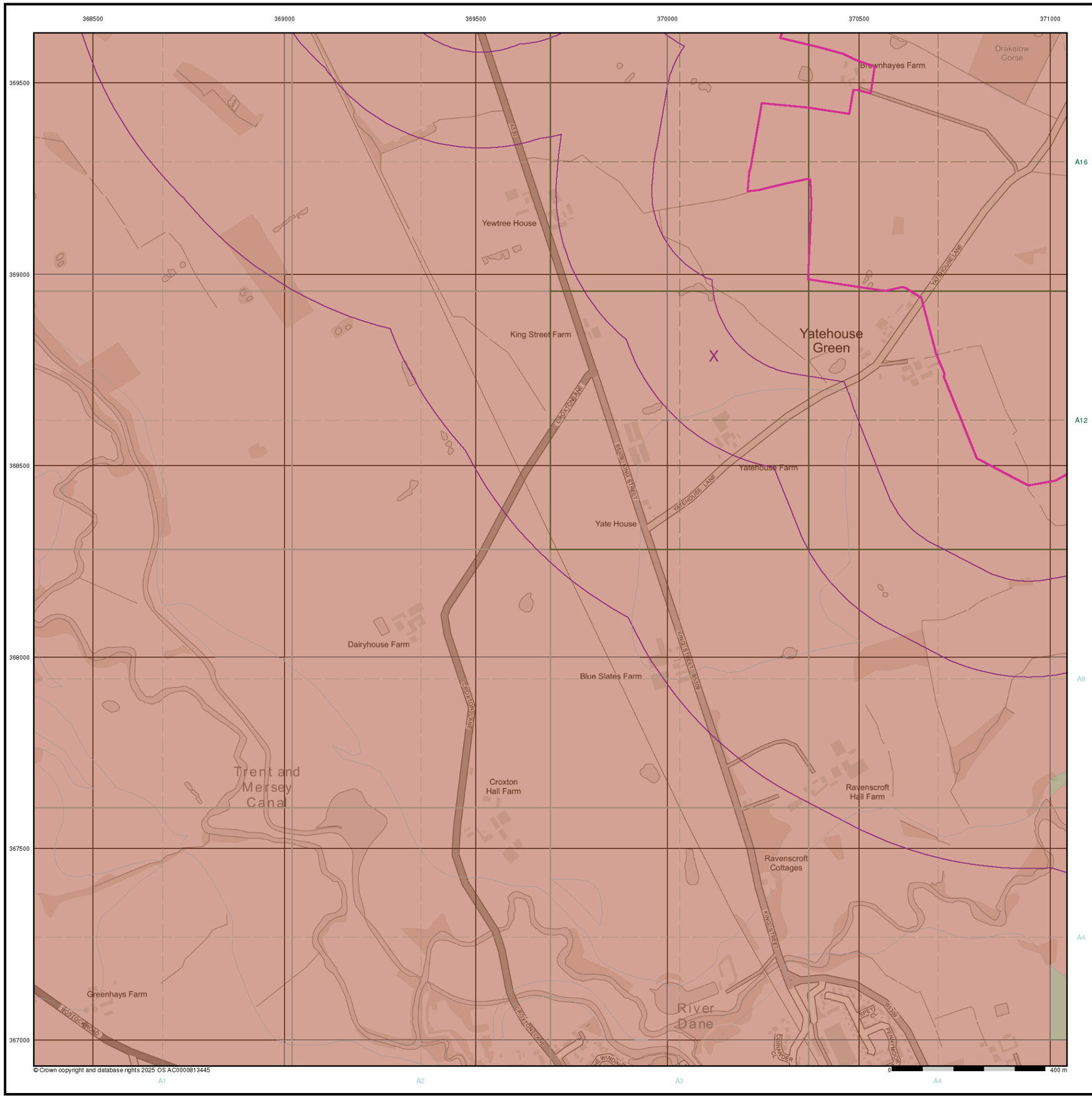

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General

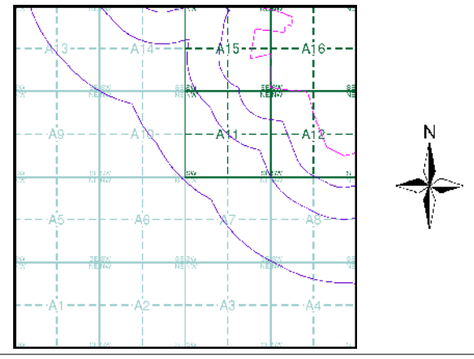
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



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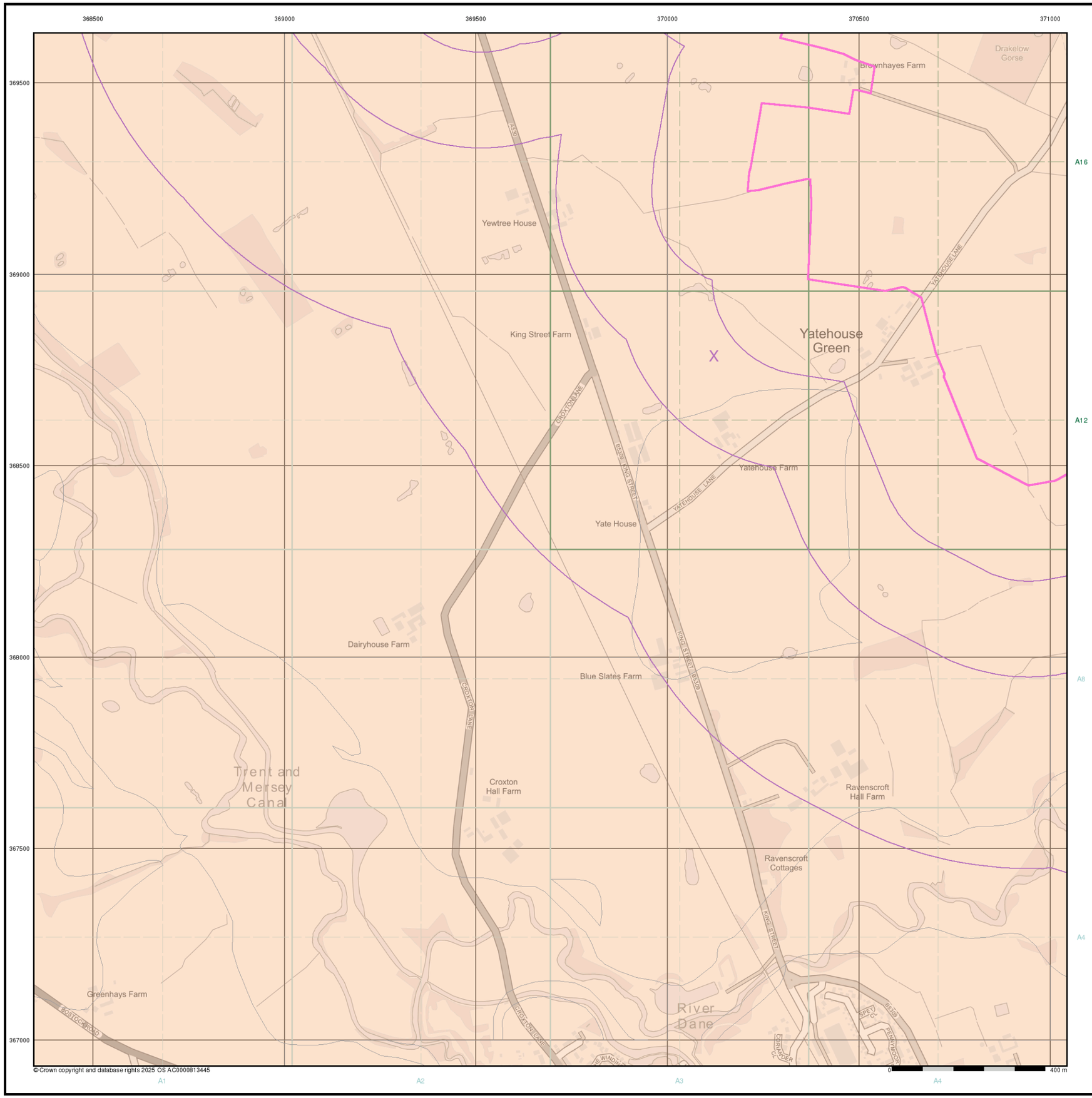

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General

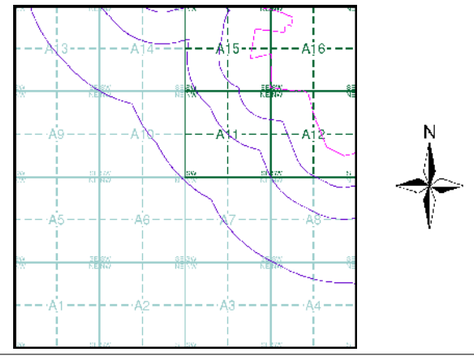
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



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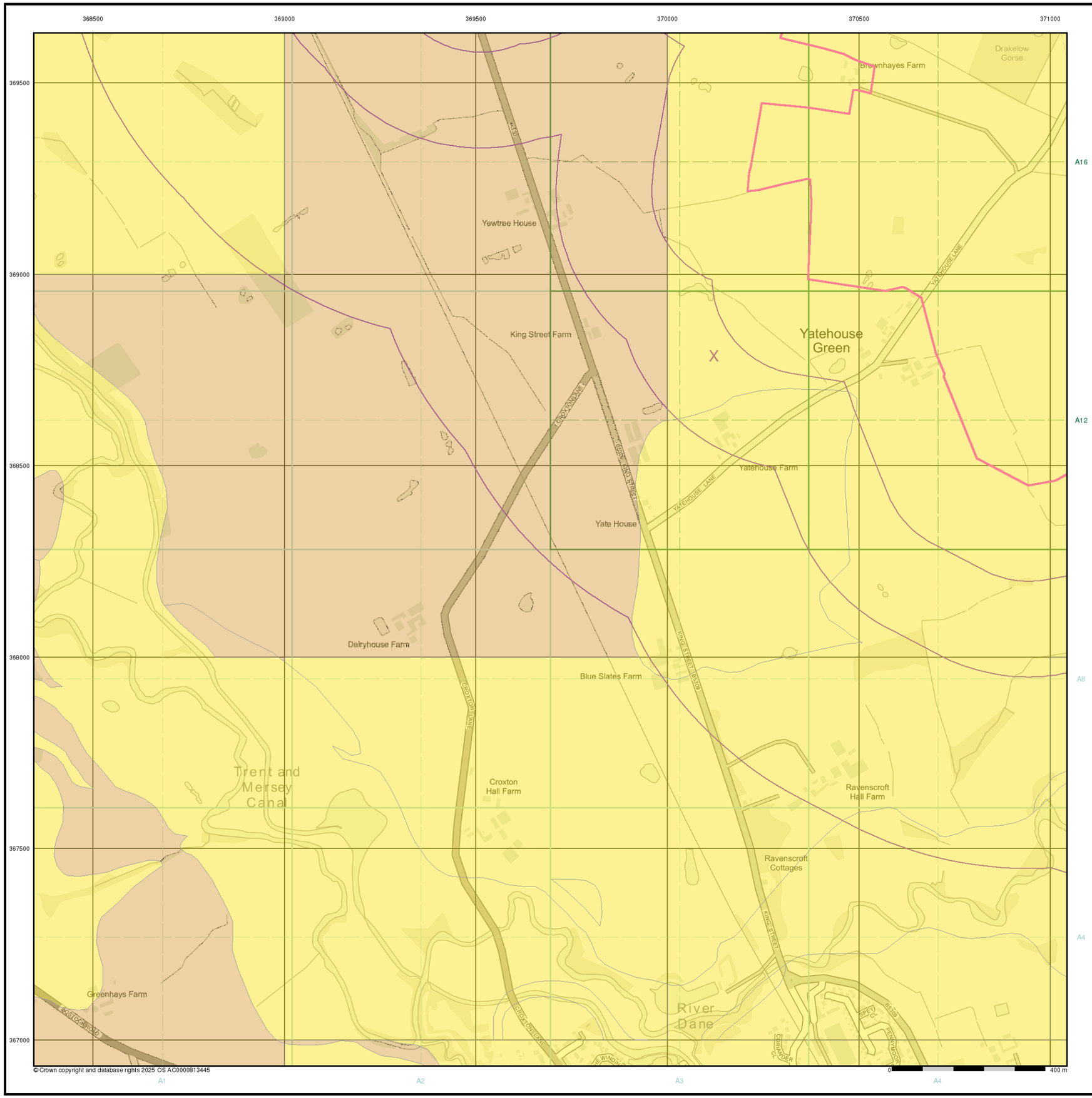

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General

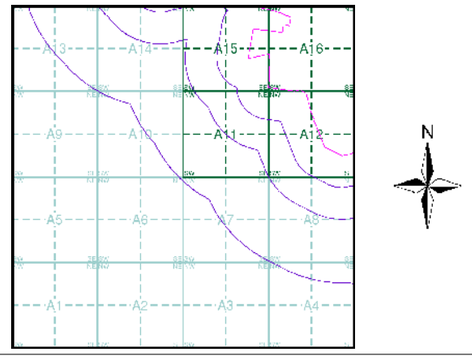
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



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Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	PEAT	Peat	Peat	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WHT	Wilkesley Halite Member	Halite-stone and Mudstone	Not Supplied - Carnian
	NWHF	Northwich Halite Member	Halite-stone and Mudstone	Not Supplied - Anisian
	SIM	Sidmouth Mudstone Formation	Mudstone	Not Supplied - Olenekian
		Faults		

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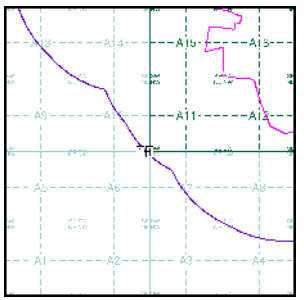
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 110
Map Name: Macclesfield
Map Date: 1968
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Not Available
Faults: Not Supplied
Landslip: Available
Rock Segments: Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

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Slice: A
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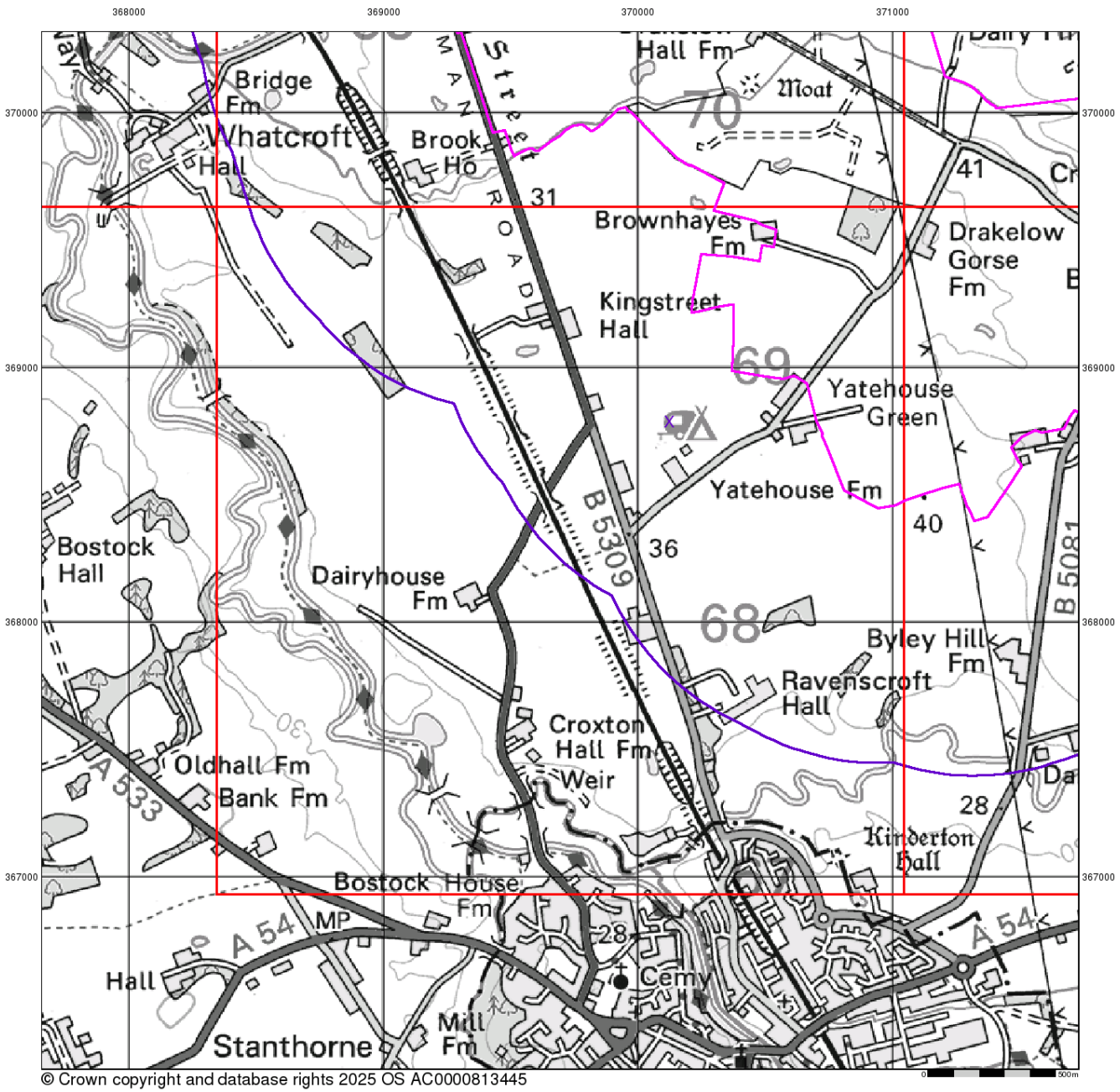
Site Details:

Site at, Byley, Cheshire West & Chester



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Artificial Ground and Landslip

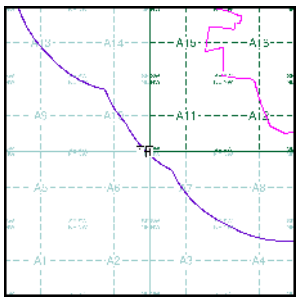
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



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National Grid Reference:	370120, 368790
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Search Buffer (m):	1000

Site Details:

Site at, Byley, Cheshire West & Chester

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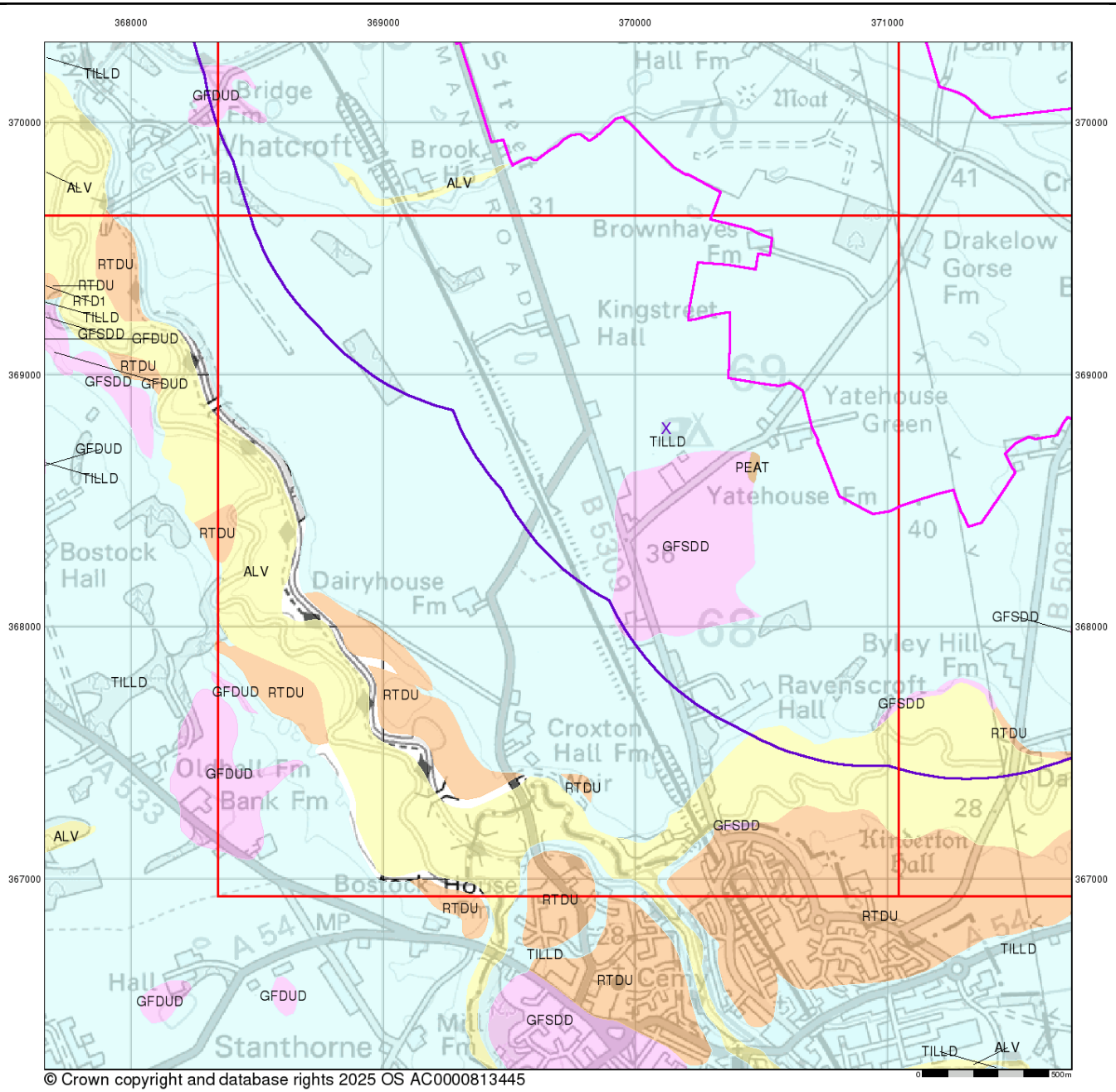
Web: www.envirocheck.co.uk



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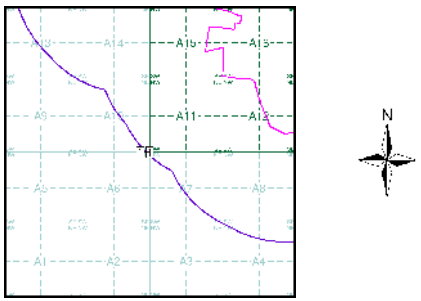
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



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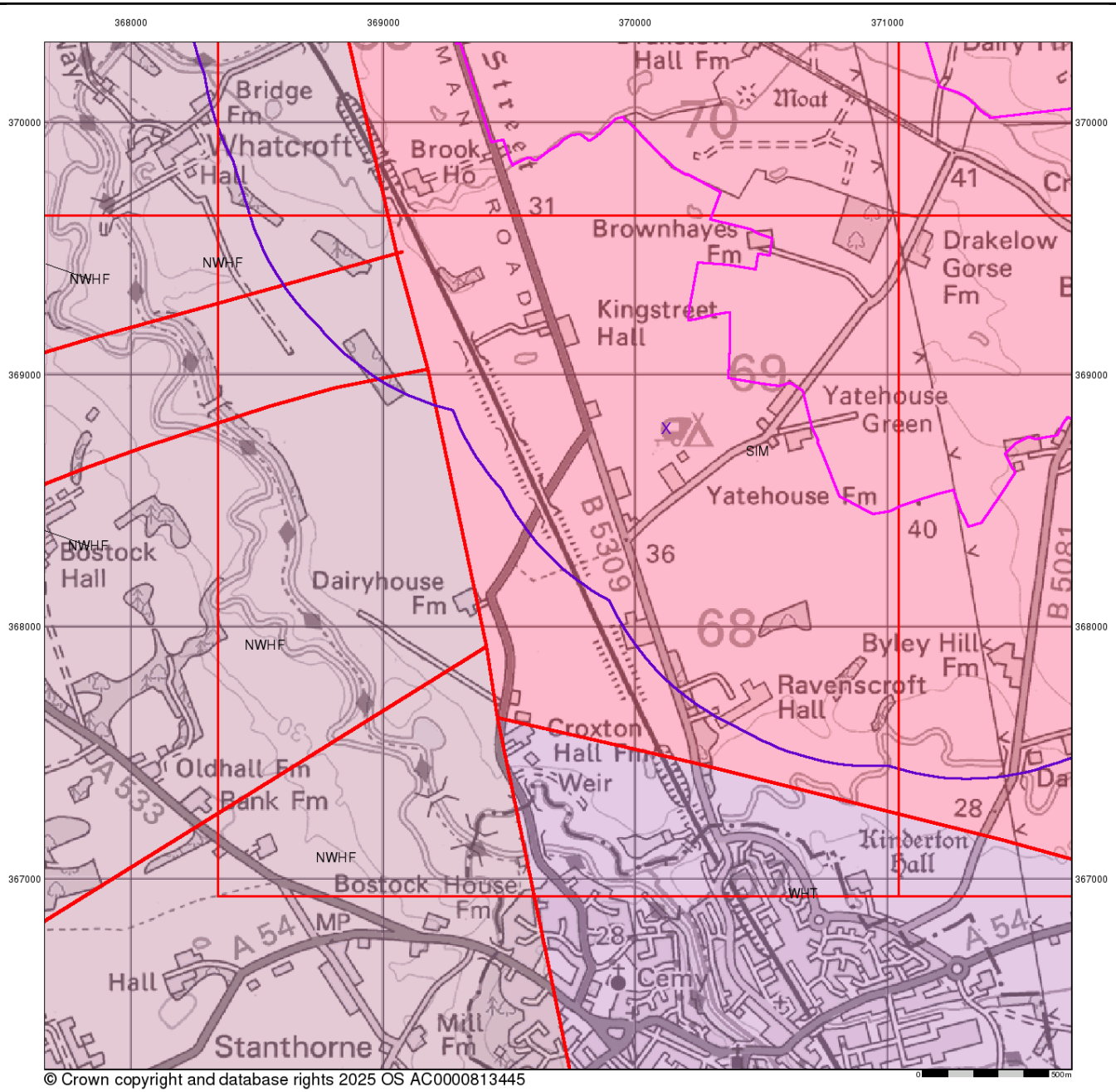

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Bedrock and Faults

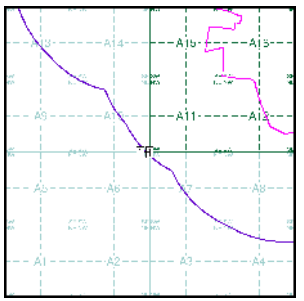
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



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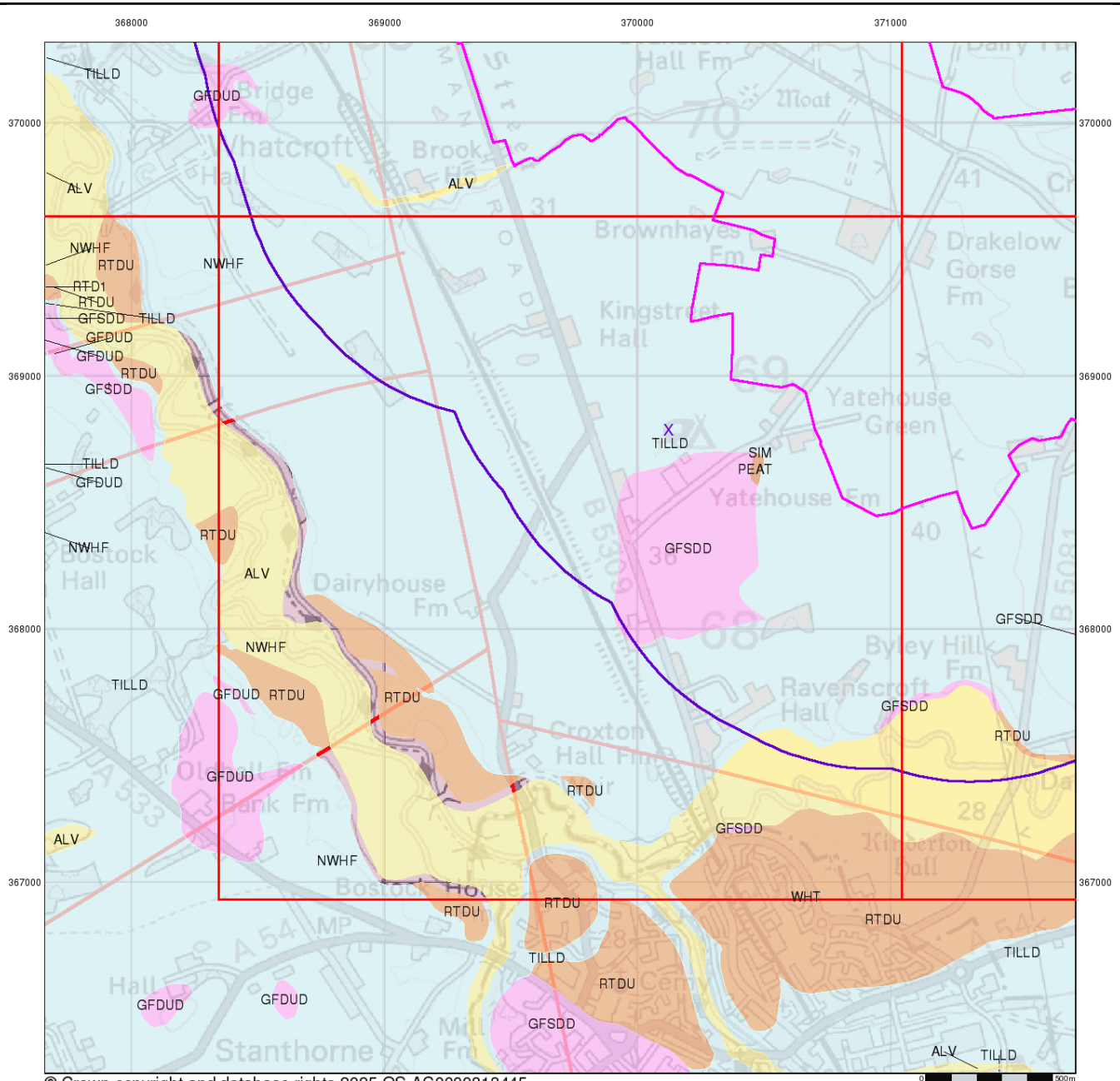

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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

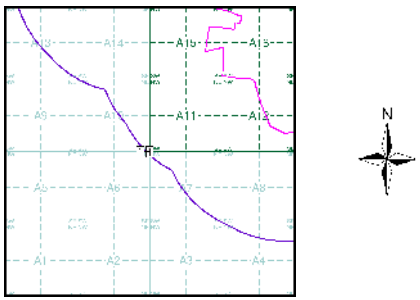
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



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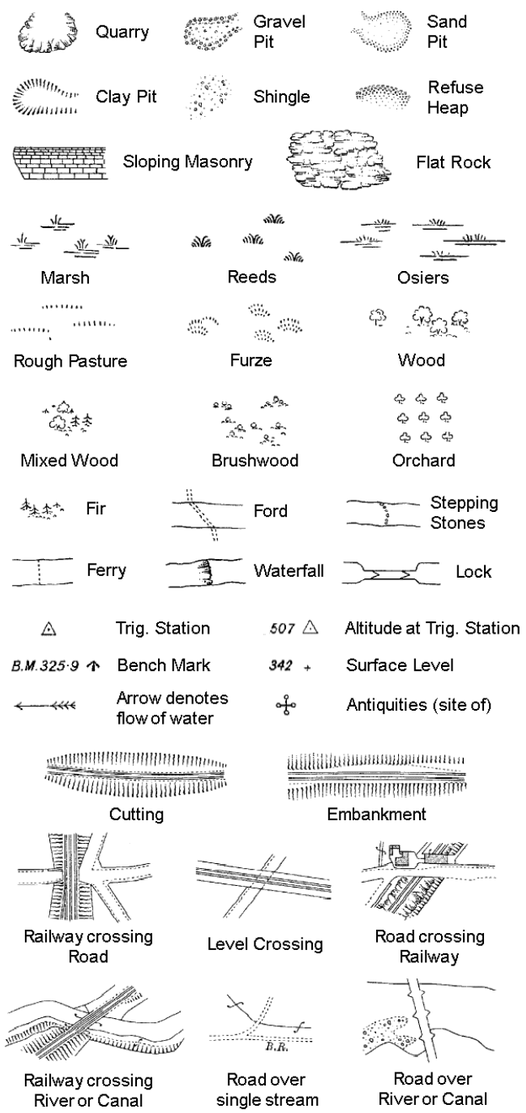
Historical Mapping Legends

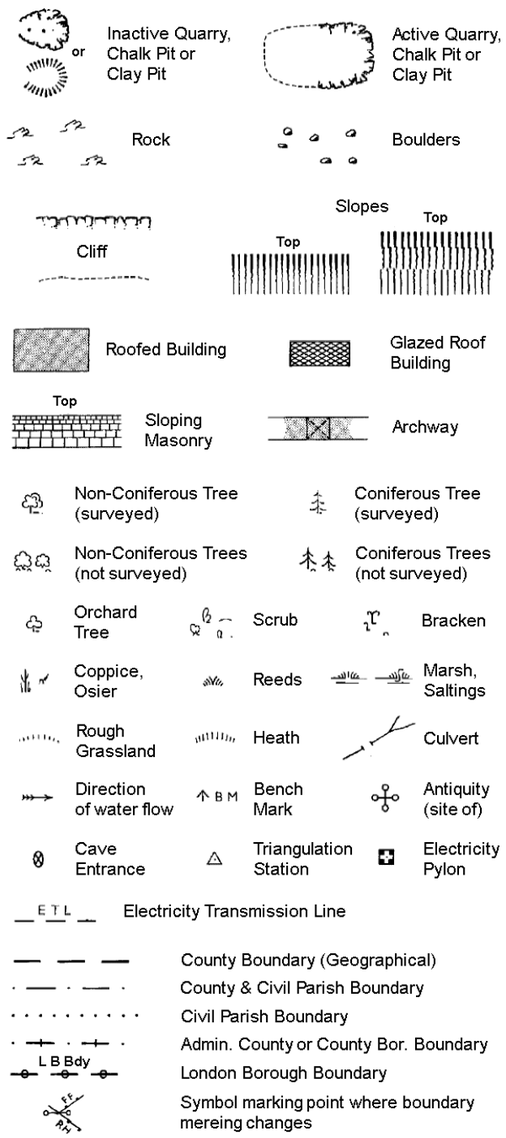
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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

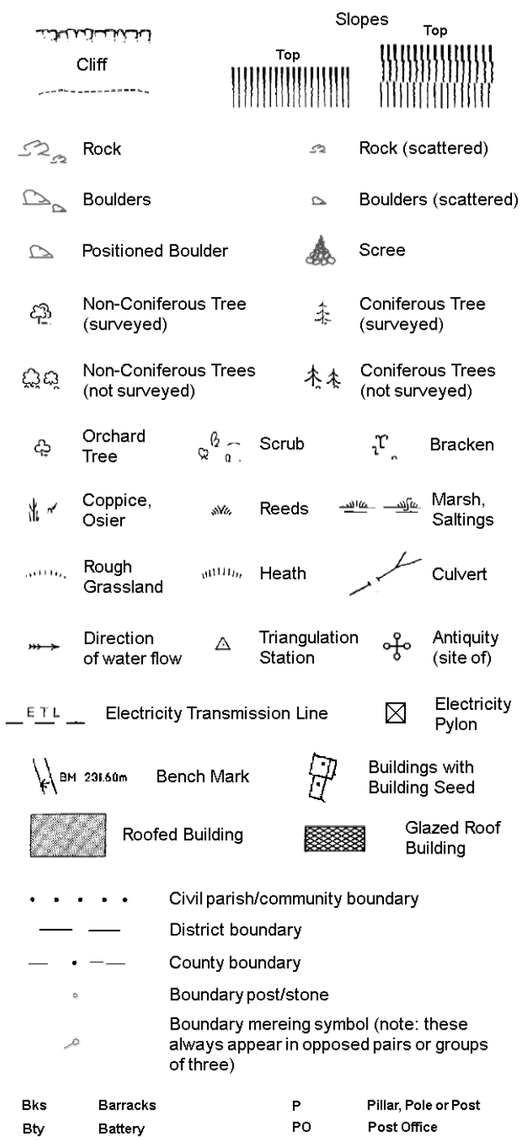
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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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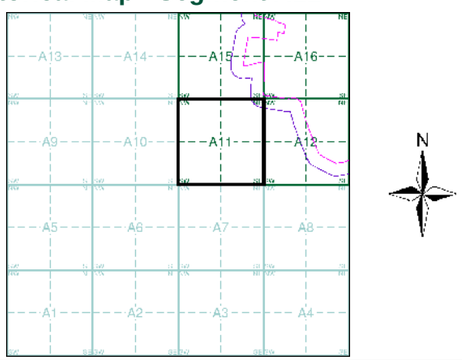
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:2,500	1875 - 1876	2
Cheshire	1:2,500	1898	3
Cheshire	1:2,500	1909	4
Ordnance Survey Plan	1:2,500	1968	5
Additional SIMs	1:2,500	1988	6
Large-Scale National Grid Data	1:2,500	1993	7
Historical Aerial Photography	1:2,500	2000	8

Historical Map - Segment A11



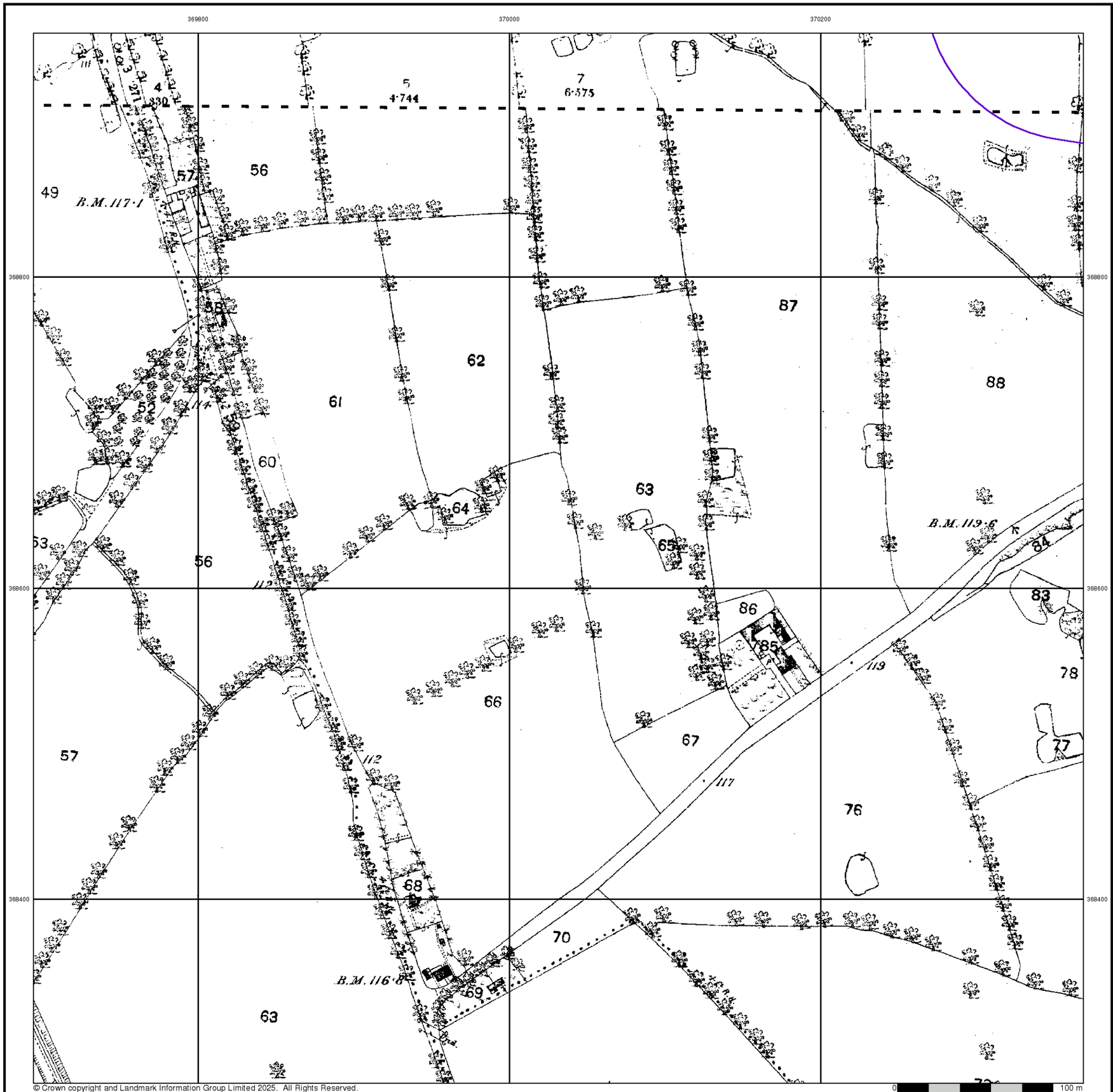
Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

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



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0 100 m

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Cheshire

Published 1875 - 1876

Source map scale - 1:2,500

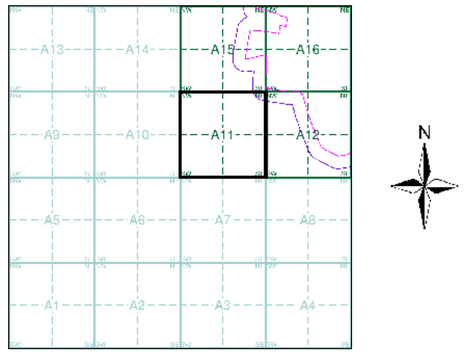
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)

041_03
1876
1:2,500

041_07
1875
1:2,500

Historical Map - Segment A11



Order Details

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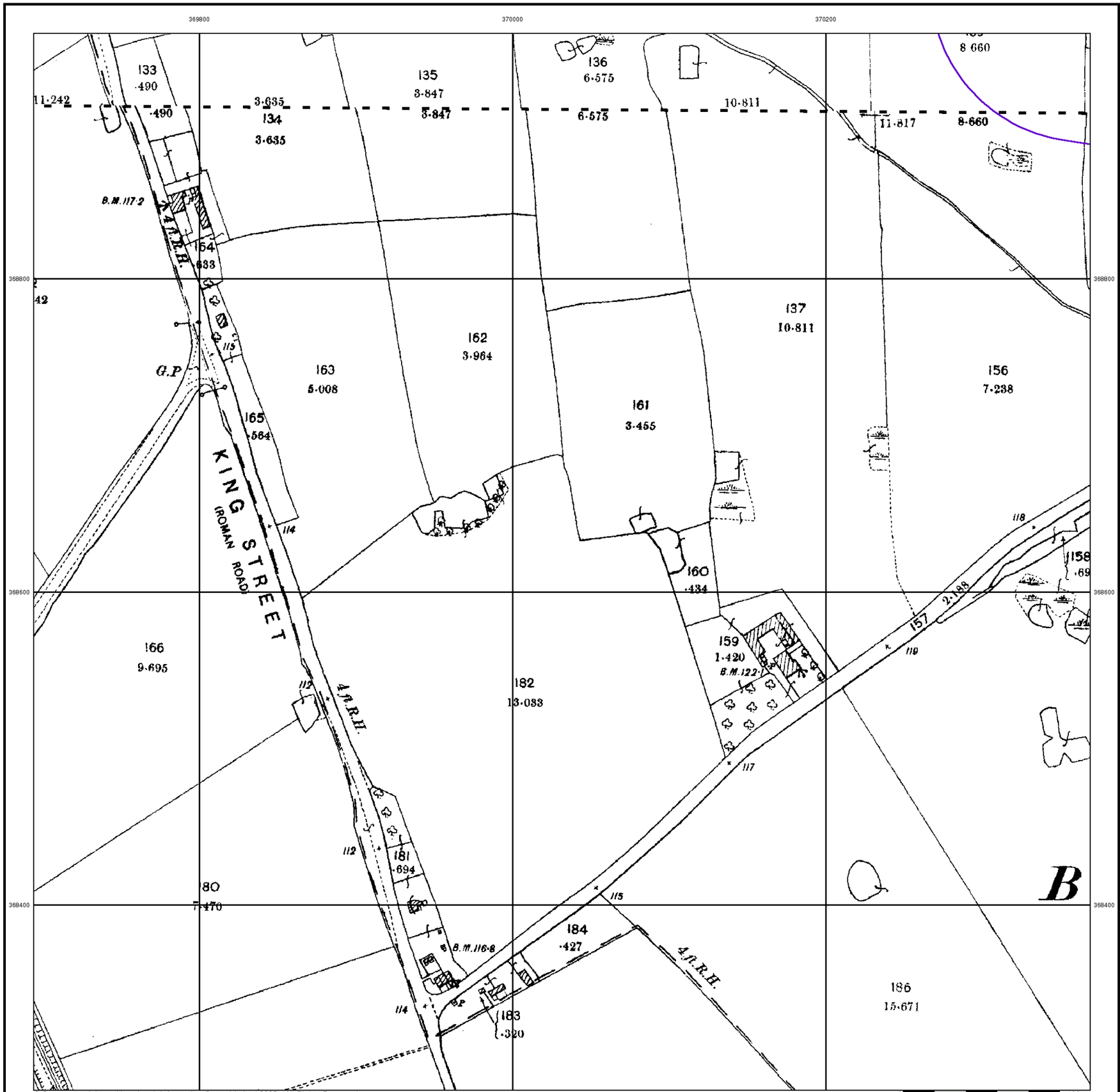

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Cheshire

Published 1898

Source map scale - 1:2,500

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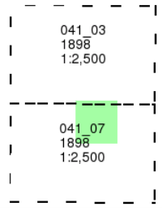
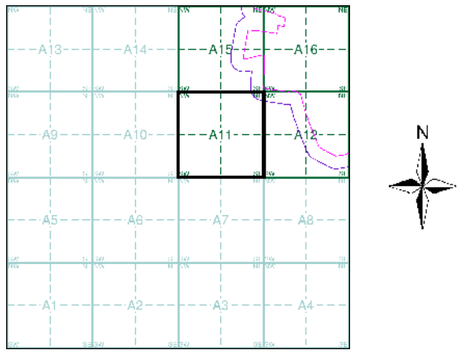
Map Name(s) and Date(s)



Historical Map - Segment A11



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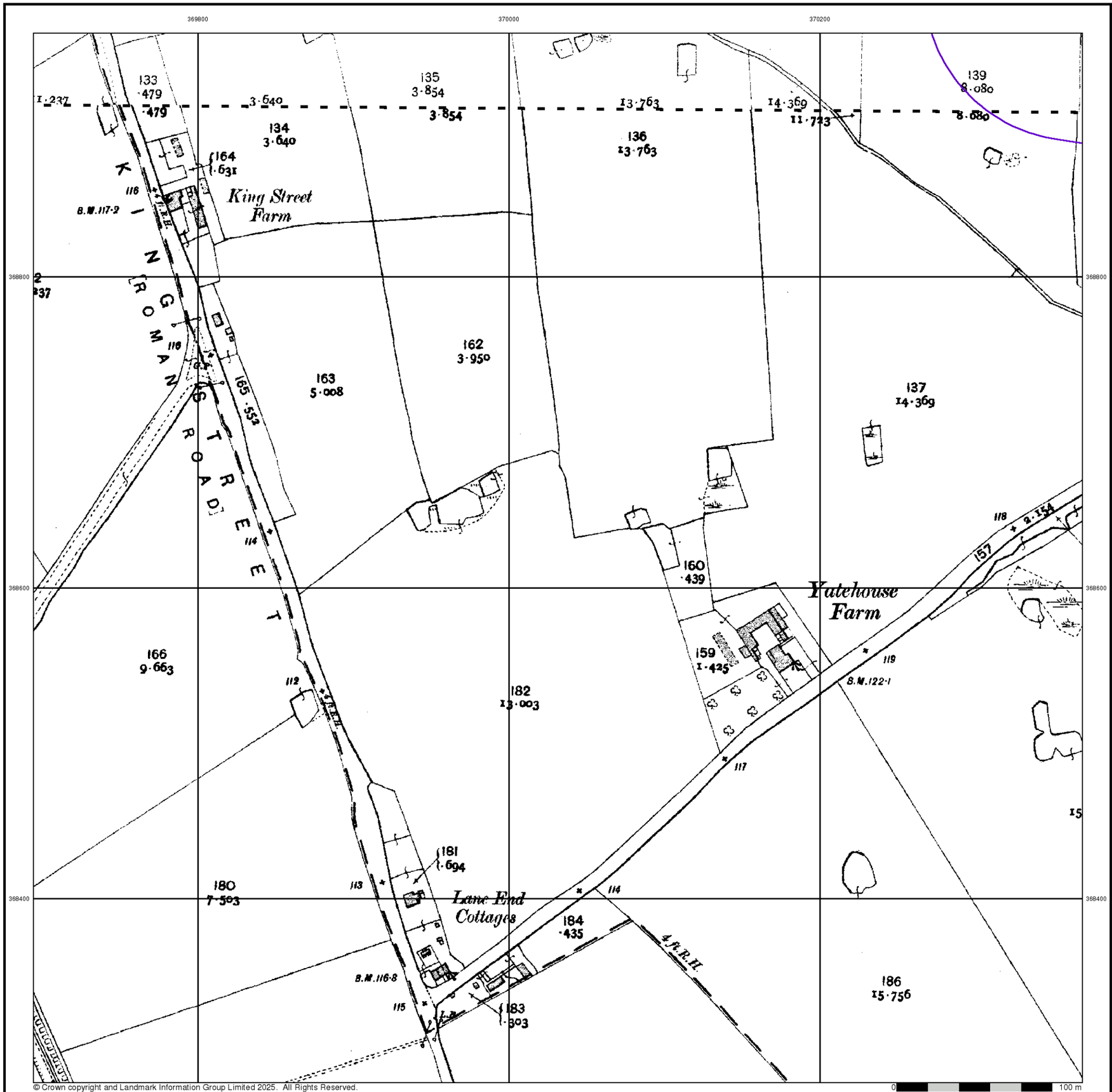

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Cheshire

Published 1909

Source map scale - 1:2,500

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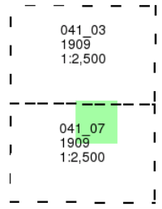
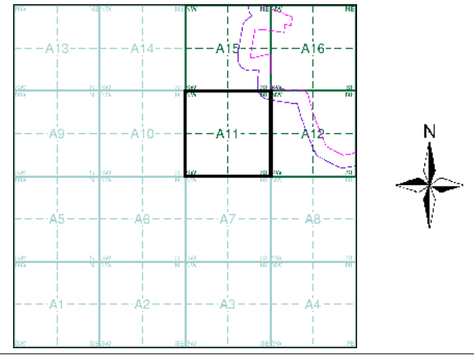
Map Name(s) and Date(s)



Historical Map - Segment A11



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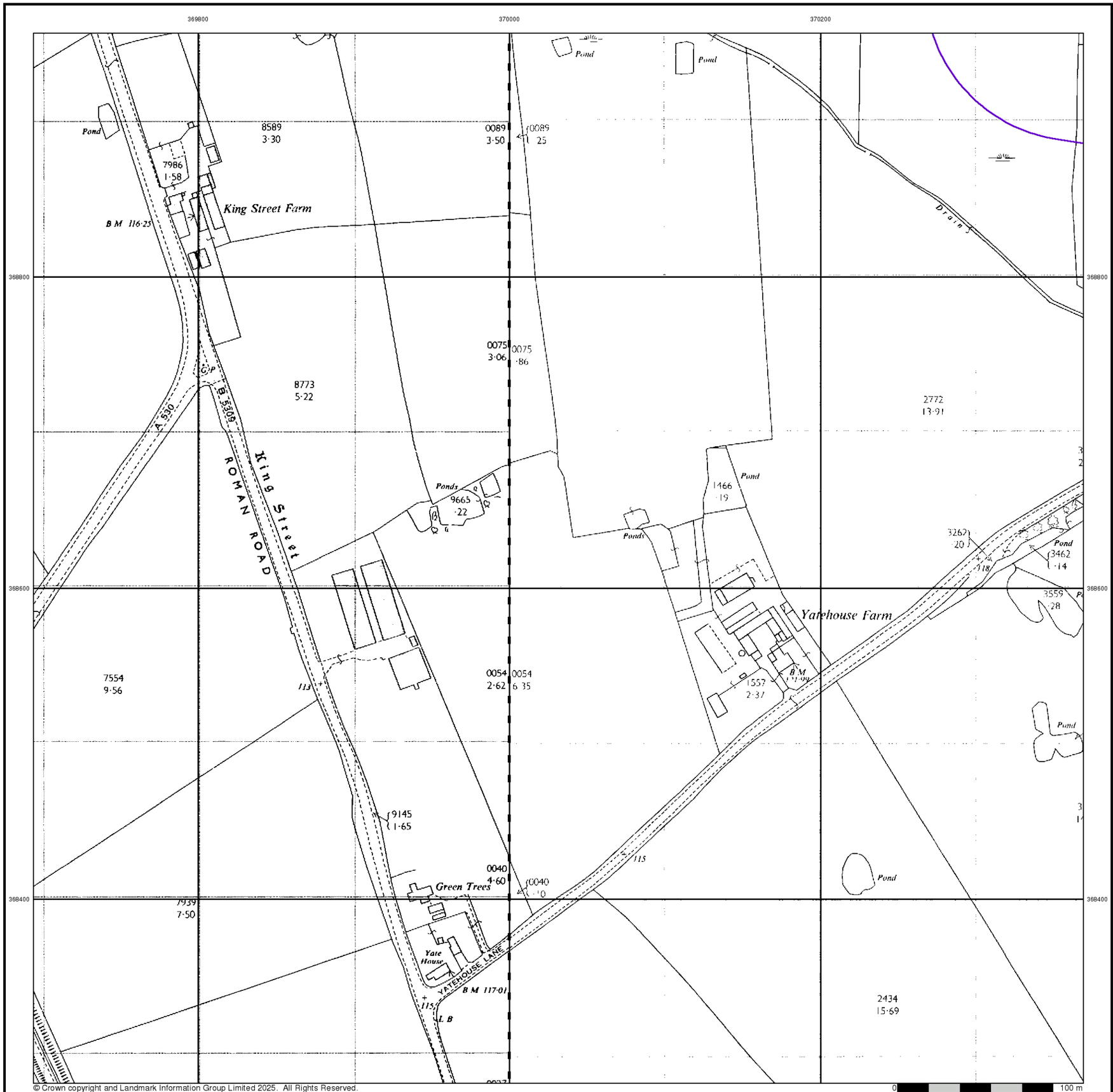

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Ordnance Survey Plan

Published 1968

Source map scale - 1:2,500

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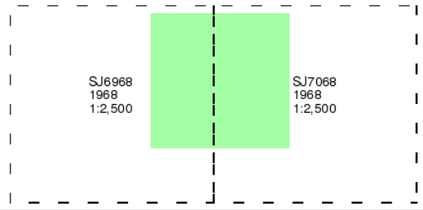
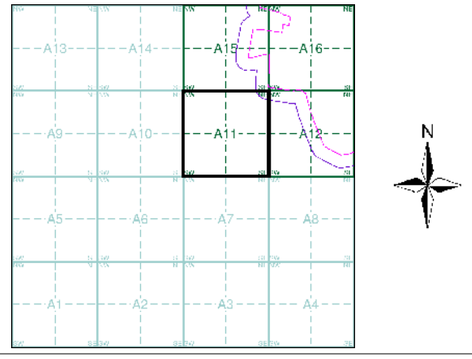
Map Name(s) and Date(s)



Historical Map - Segment A11



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National Grid Reference:	370120, 368790
Slice:	A
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Search Buffer (m):	100

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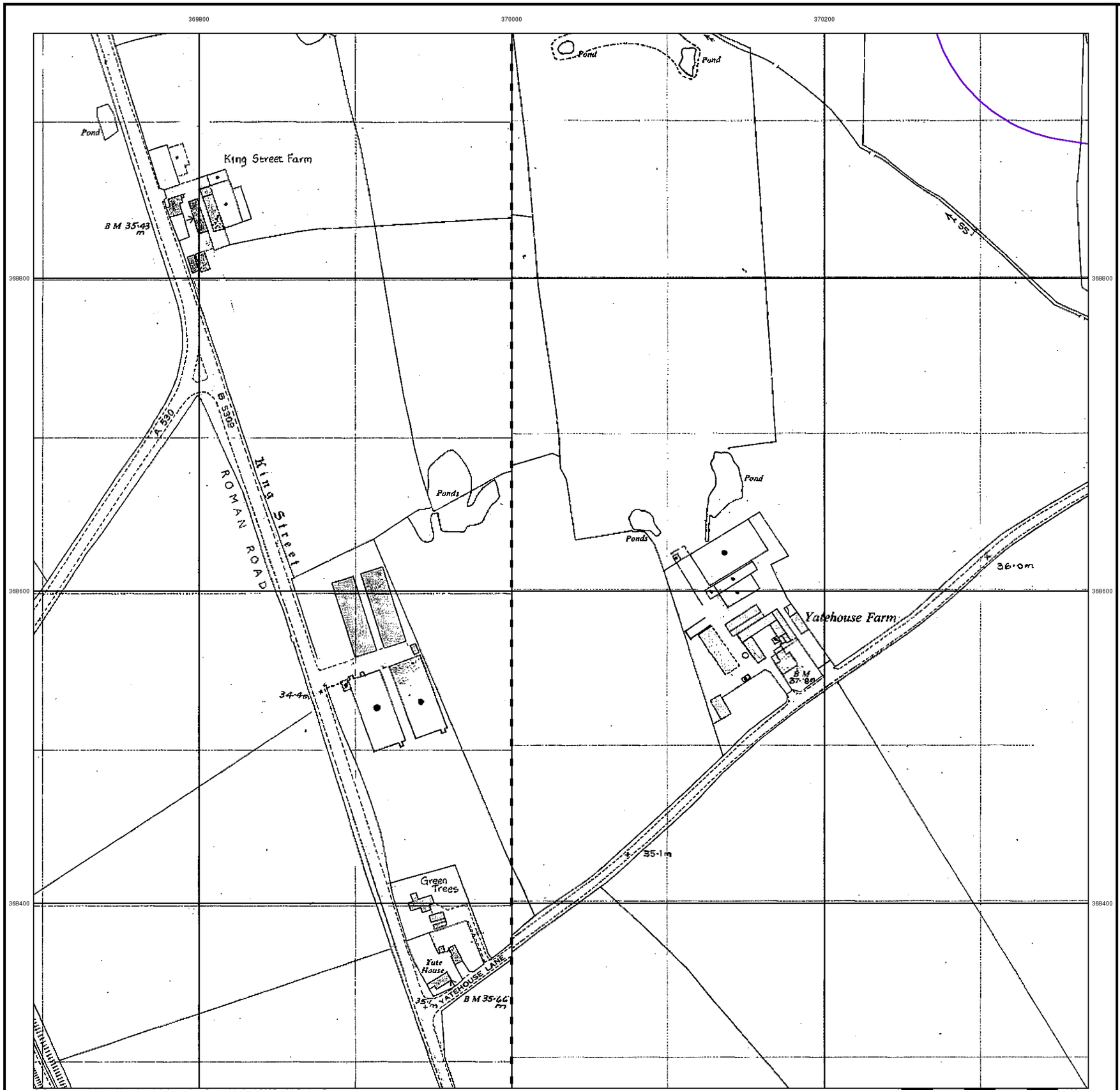

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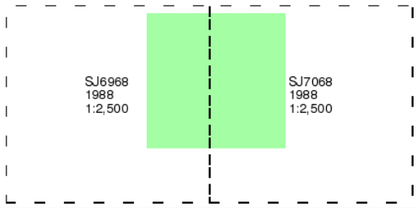
Additional SIMs

Published 1988

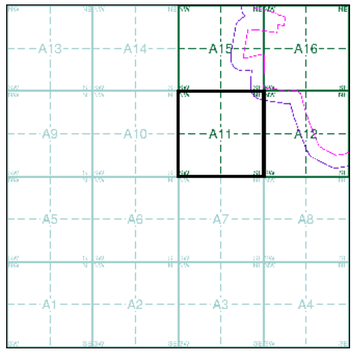
Source map scale - 1:2,500

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 A11



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

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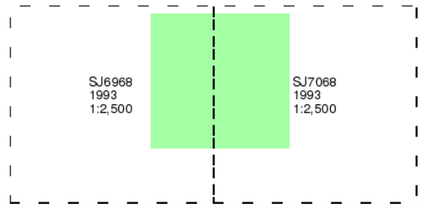
Large-Scale National Grid Data

Published 1993

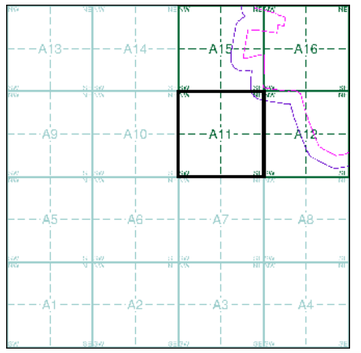
Source map scale - 1:2,500

'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 A11



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

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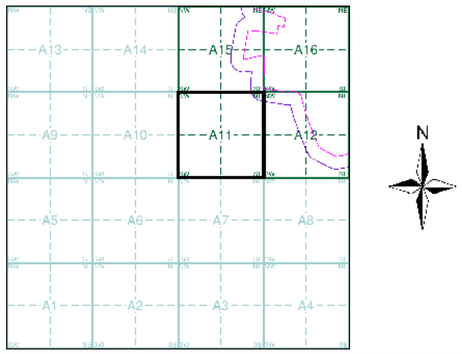
Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A11



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
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Site Details

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Fax: 0844 844 9951
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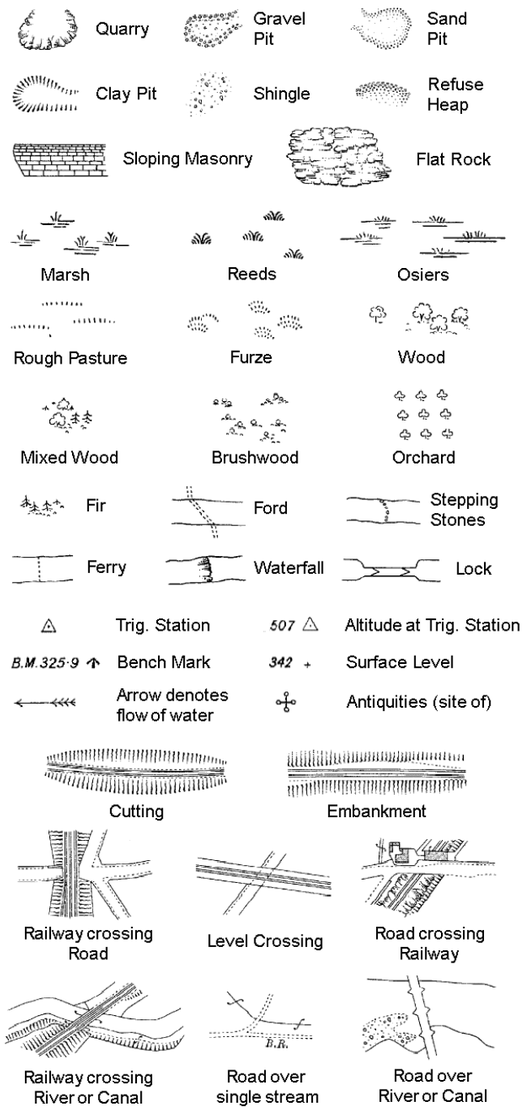
Historical Mapping Legends

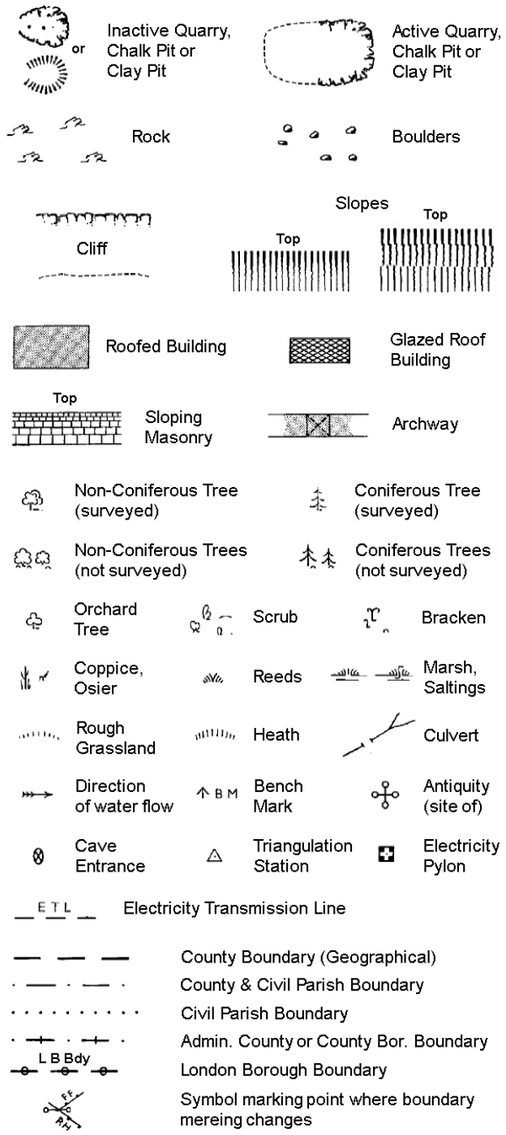
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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

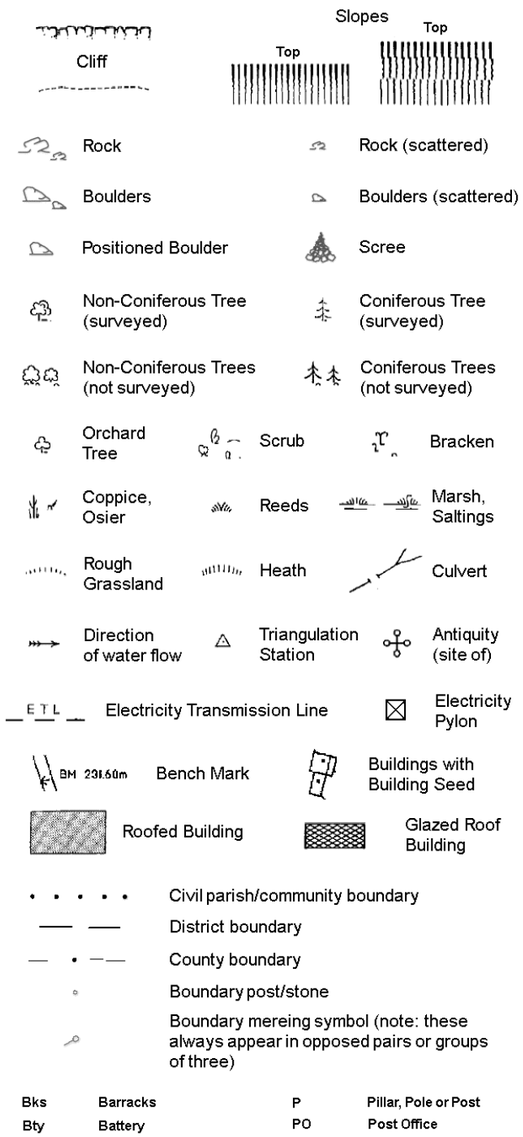
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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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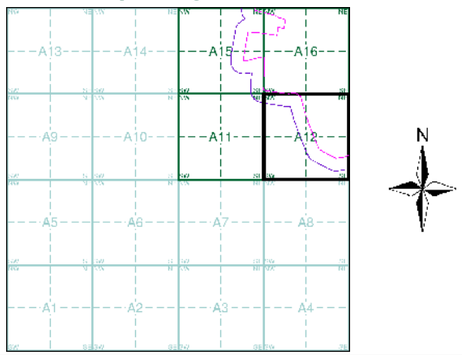
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:2,500	1875 - 1876	2
Cheshire	1:2,500	1898	3
Cheshire	1:2,500	1909	4
Ordnance Survey Plan	1:2,500	1968	5
Additional SIMs	1:2,500	1988	6
Large-Scale National Grid Data	1:2,500	1993	7
Historical Aerial Photography	1:2,500	2000	8

Historical Map - Segment A12



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

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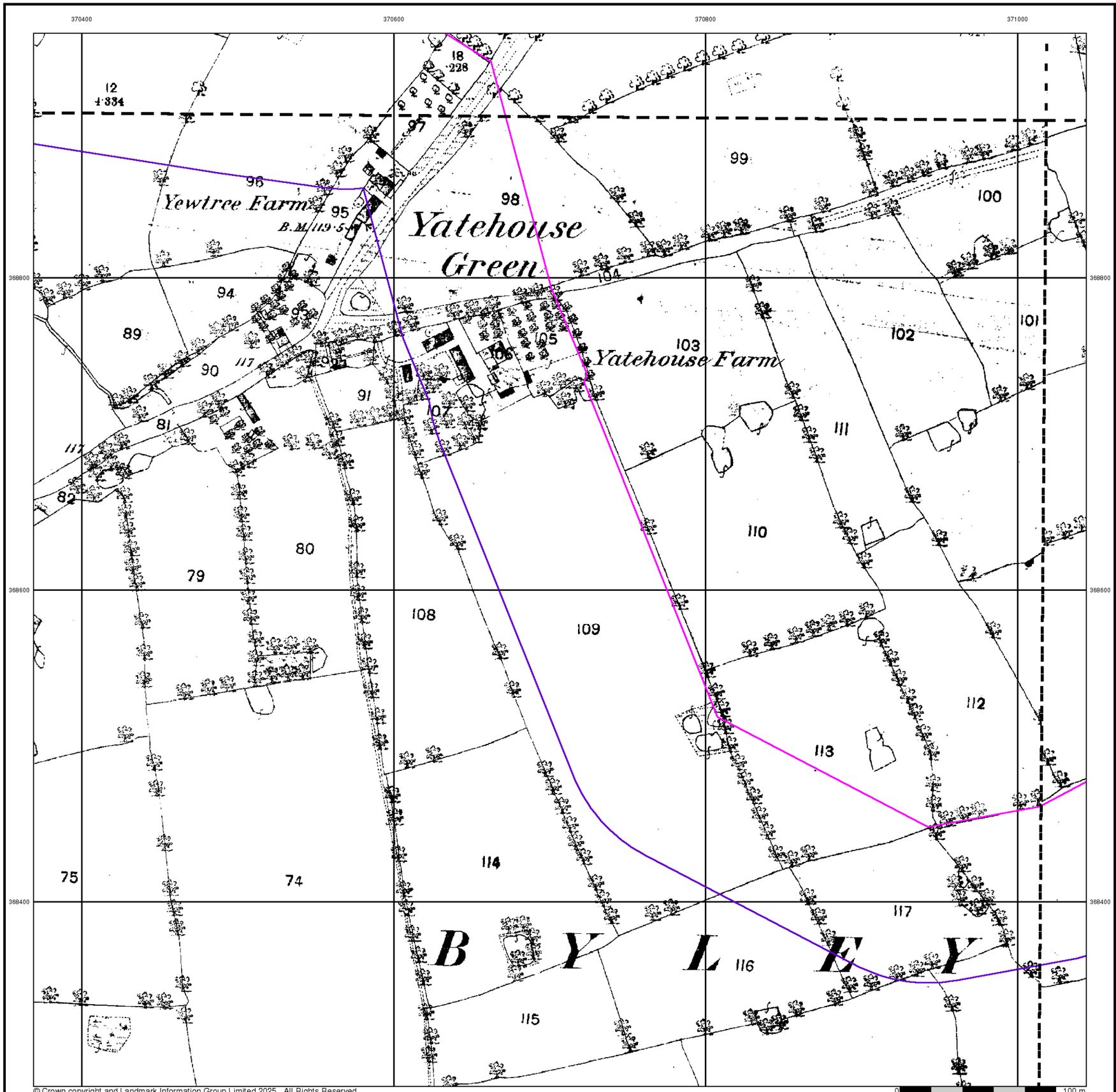
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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LANDMARK INFORMATION GROUP®

Cheshire

Published 1875 - 1876

Source map scale - 1:2,500

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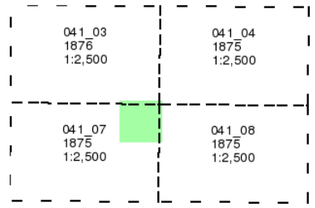
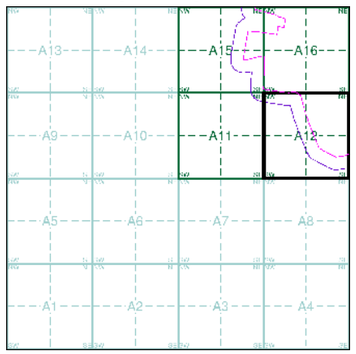
Map Name(s) and Date(s)



Historical Map - Segment A12



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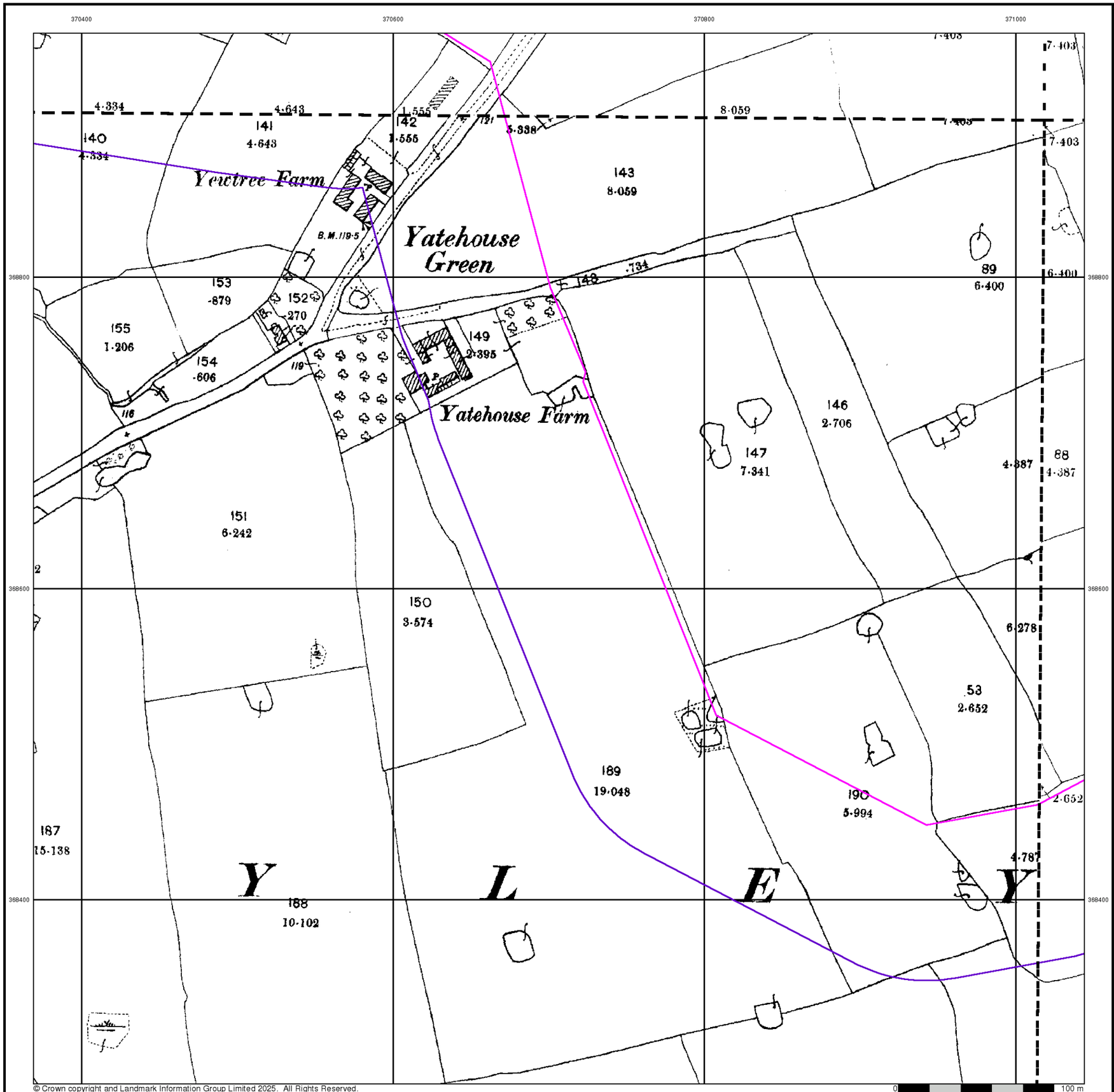

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Envirocheck®

LANDMARK INFORMATION GROUP®

Cheshire

Published 1898

Source map scale - 1:2,500

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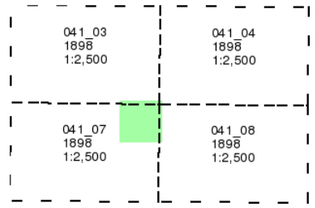
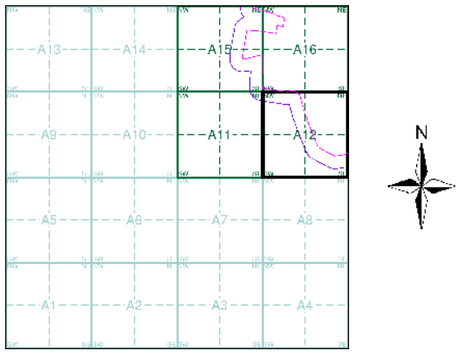


Historical Map - Segment A12



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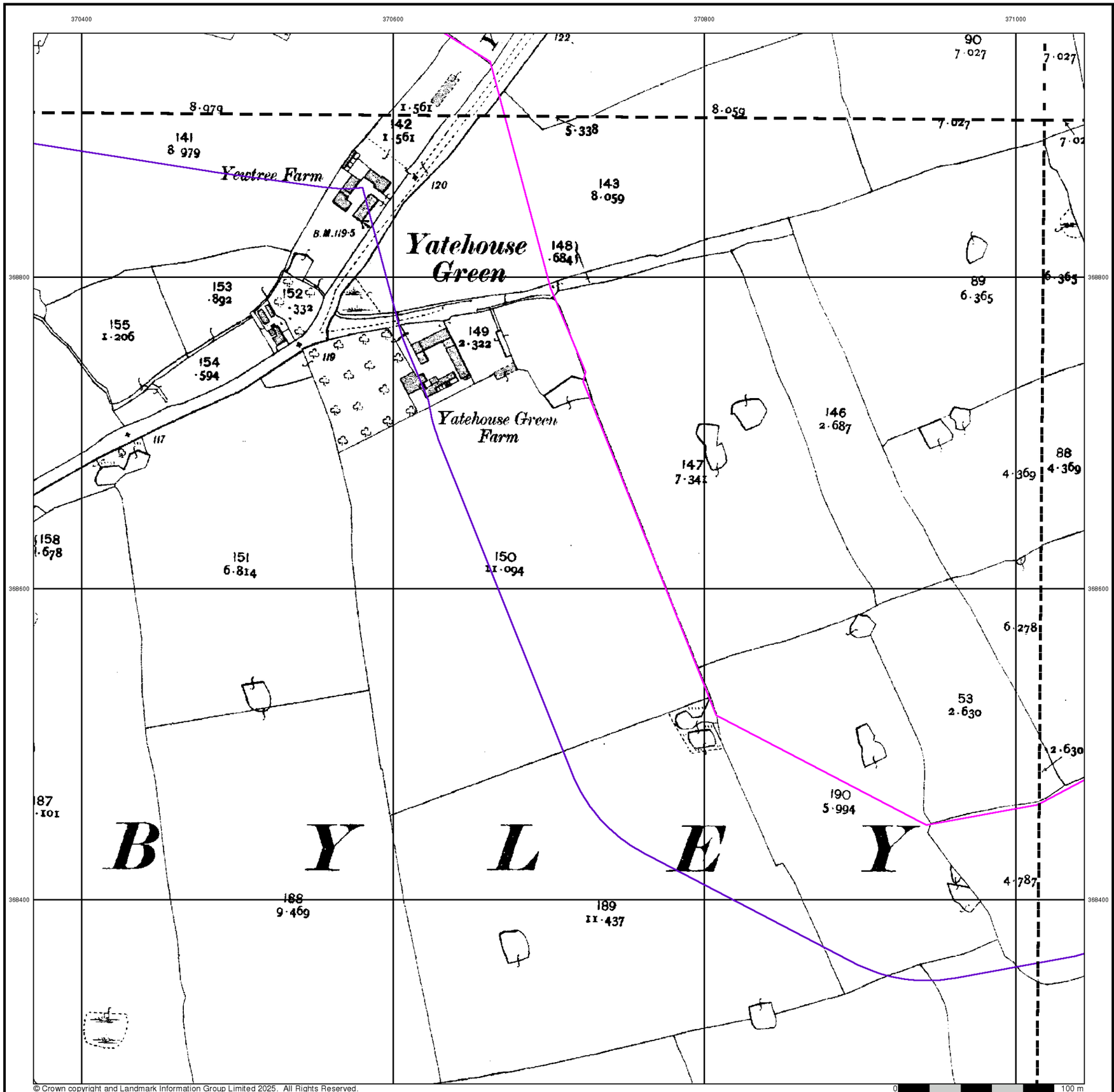

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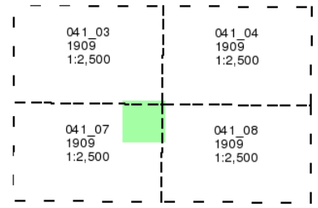
Cheshire

Published 1909

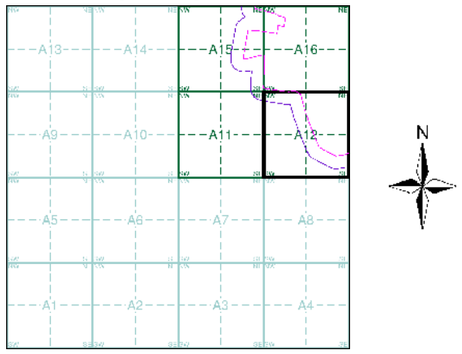
Source map scale - 1:2,500

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 A12



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

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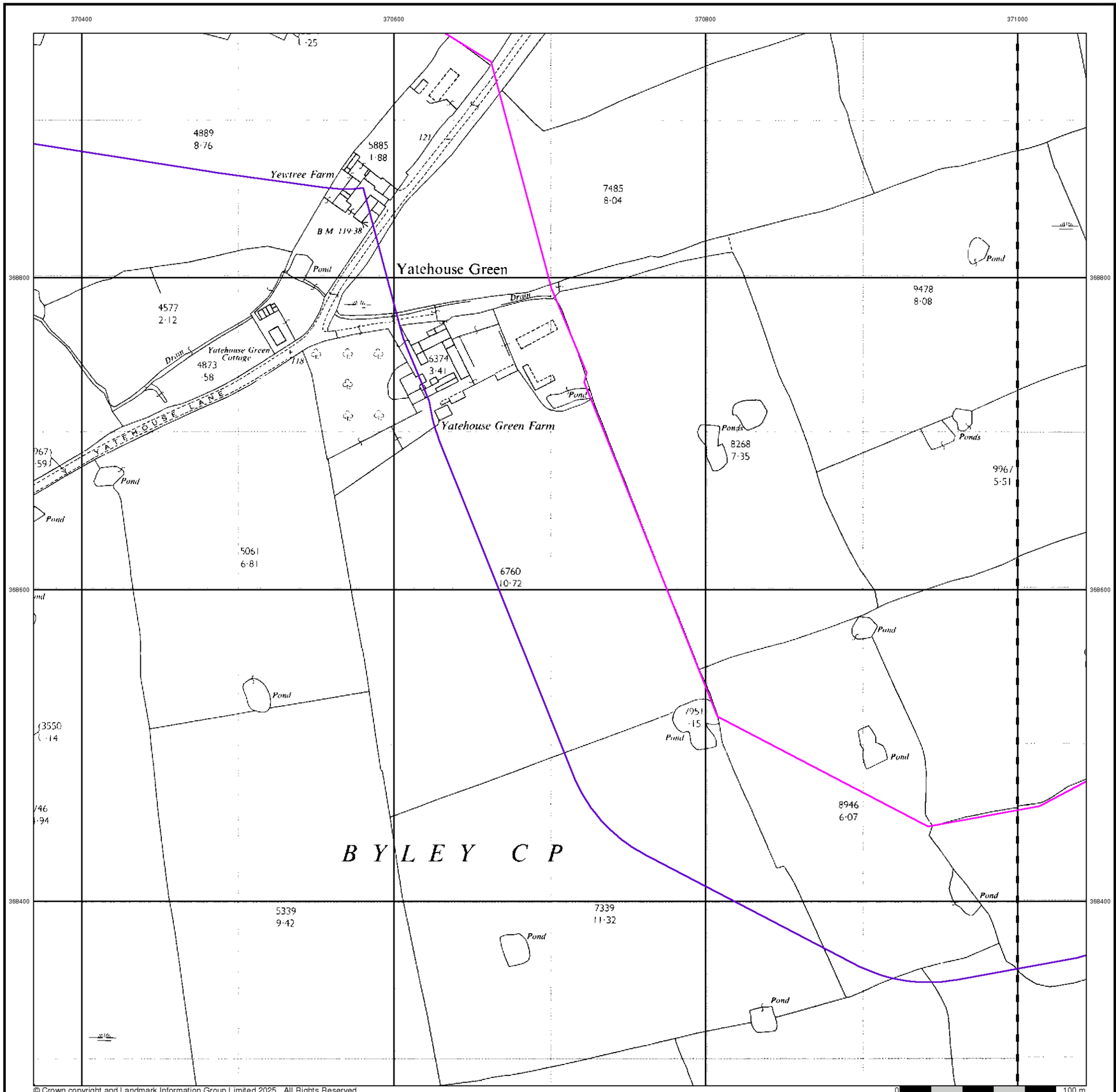

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Ordnance Survey Plan

Published 1968

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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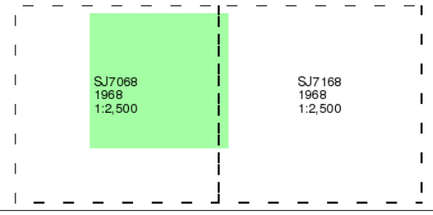
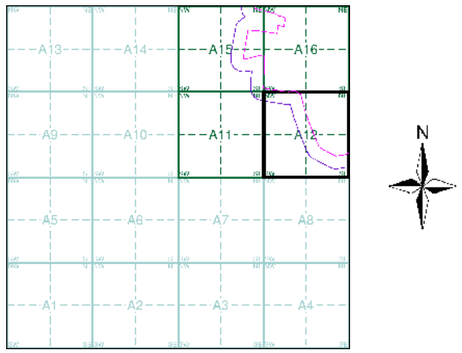


Historical Map - Segment A12



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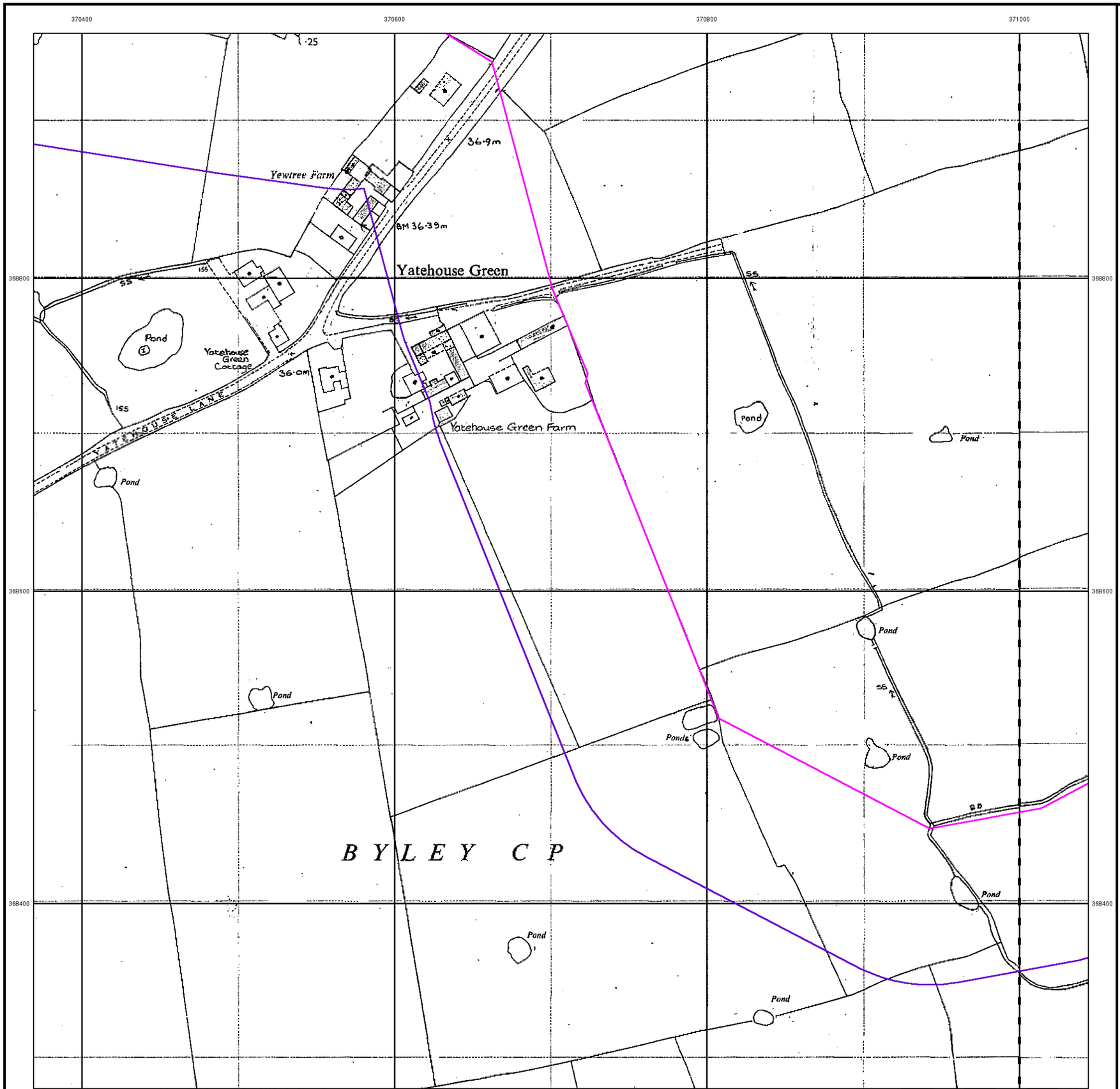

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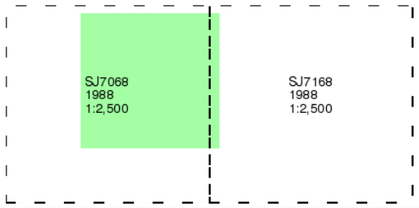
Additional SIMs

Published 1988

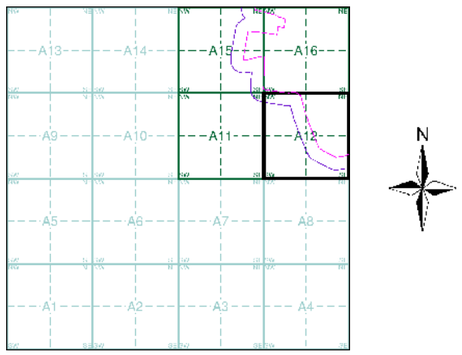
Source map scale - 1:2,500

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 A12



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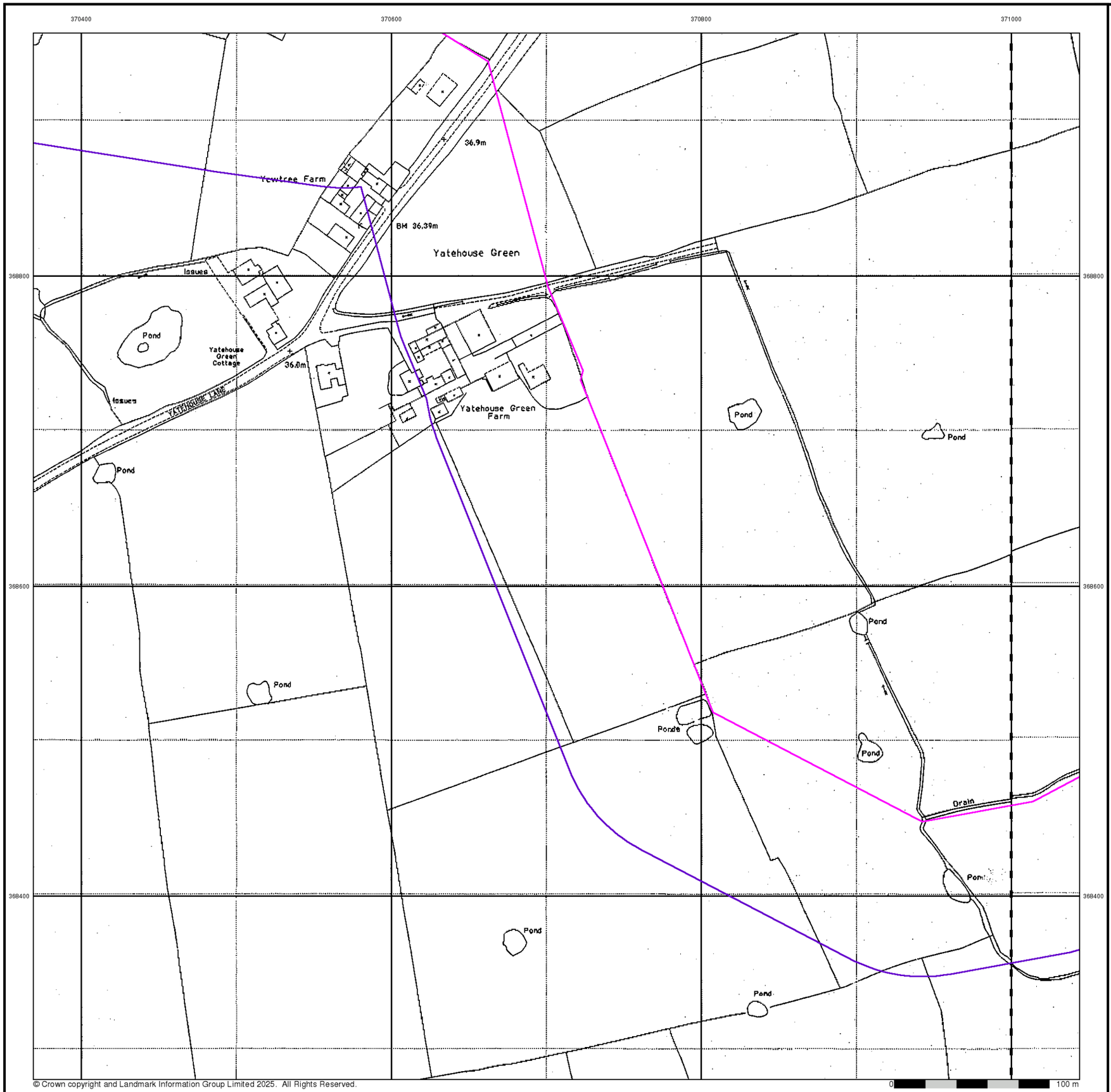

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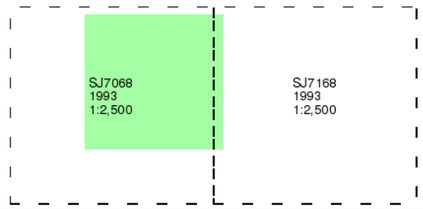
Large-Scale National Grid Data

Published 1993

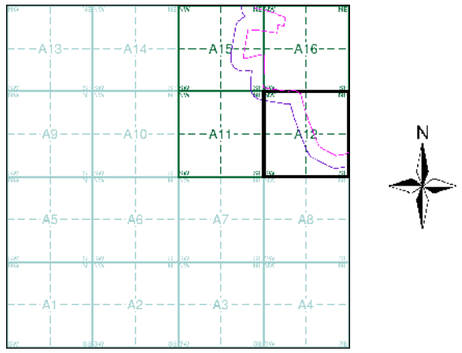
Source map scale - 1:2,500

'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 A12



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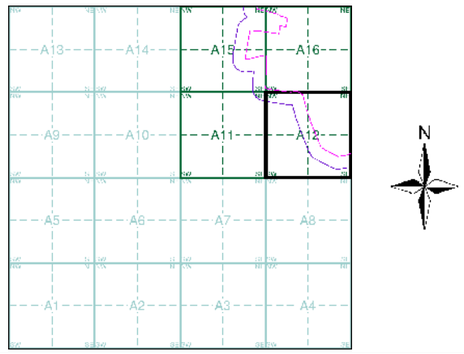
Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A12



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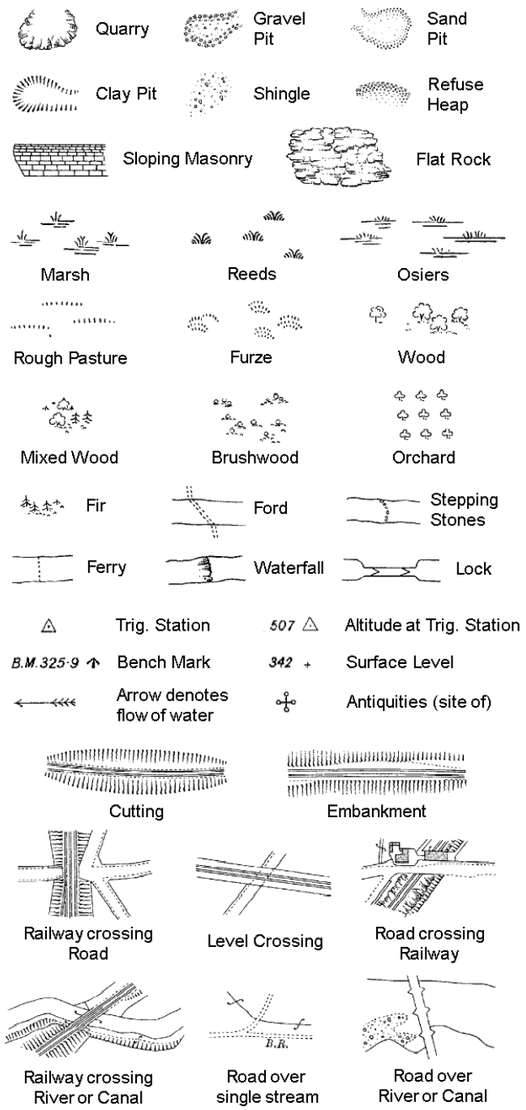
Historical Mapping Legends

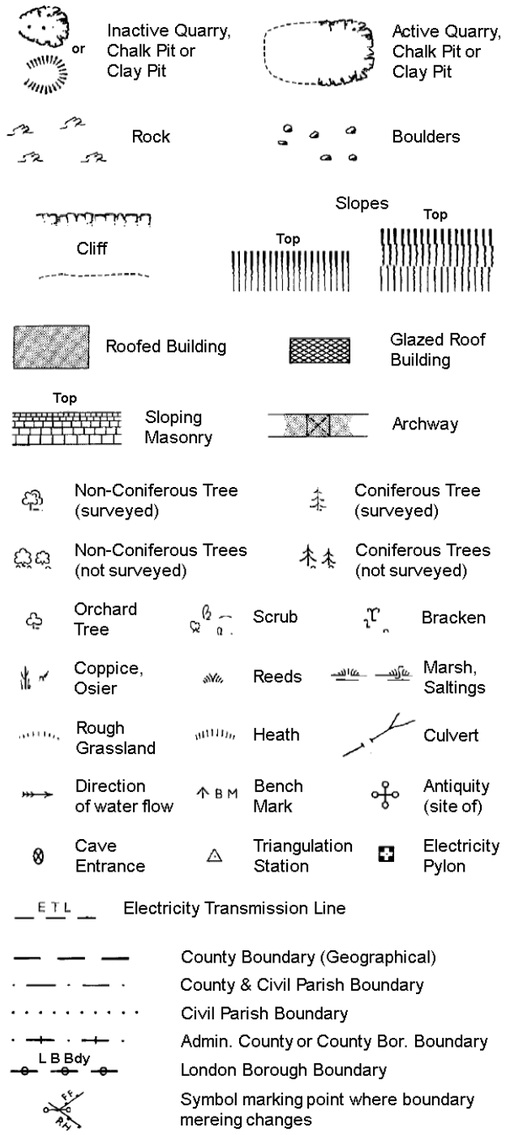
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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	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

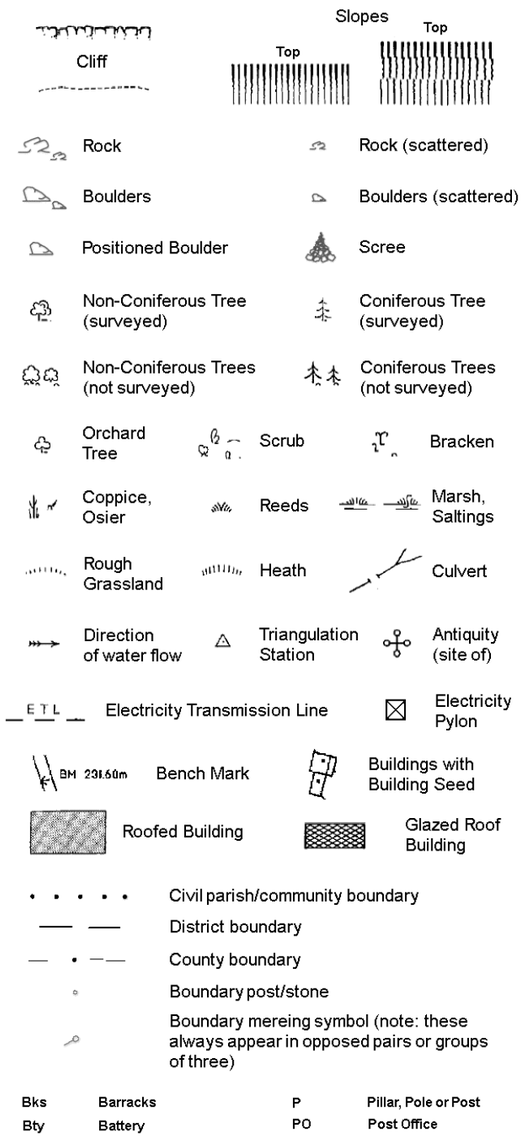
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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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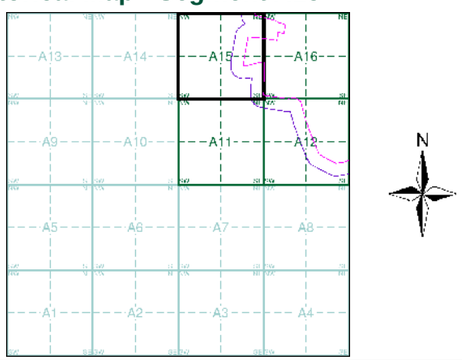
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:2,500	1876	2
Cheshire	1:2,500	1898	3
Cheshire	1:2,500	1909	4
Ordnance Survey Plan	1:2,500	1968	5
Additional SIMs	1:2,500	1988 - 1989	6
Large-Scale National Grid Data	1:2,500	1993	7
Historical Aerial Photography	1:2,500	2000	8

Historical Map - Segment A15

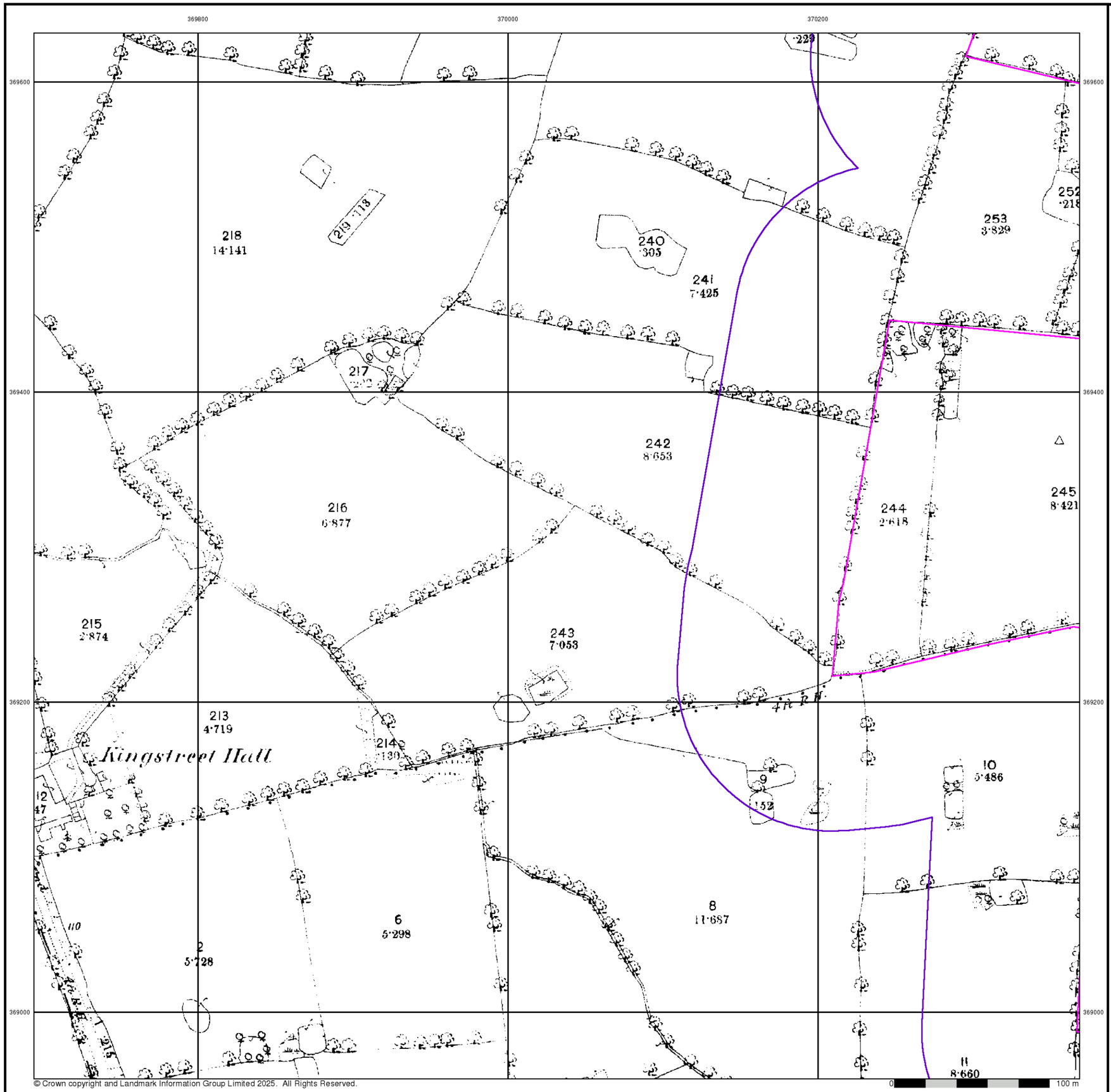


Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester



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Cheshire

Published 1876

Source map scale - 1:2,500

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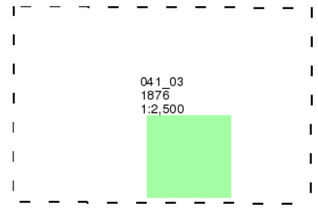
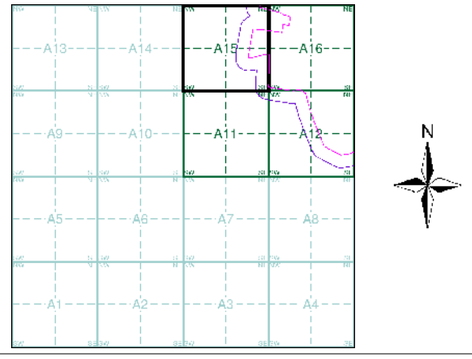


Historical Map - Segment A15



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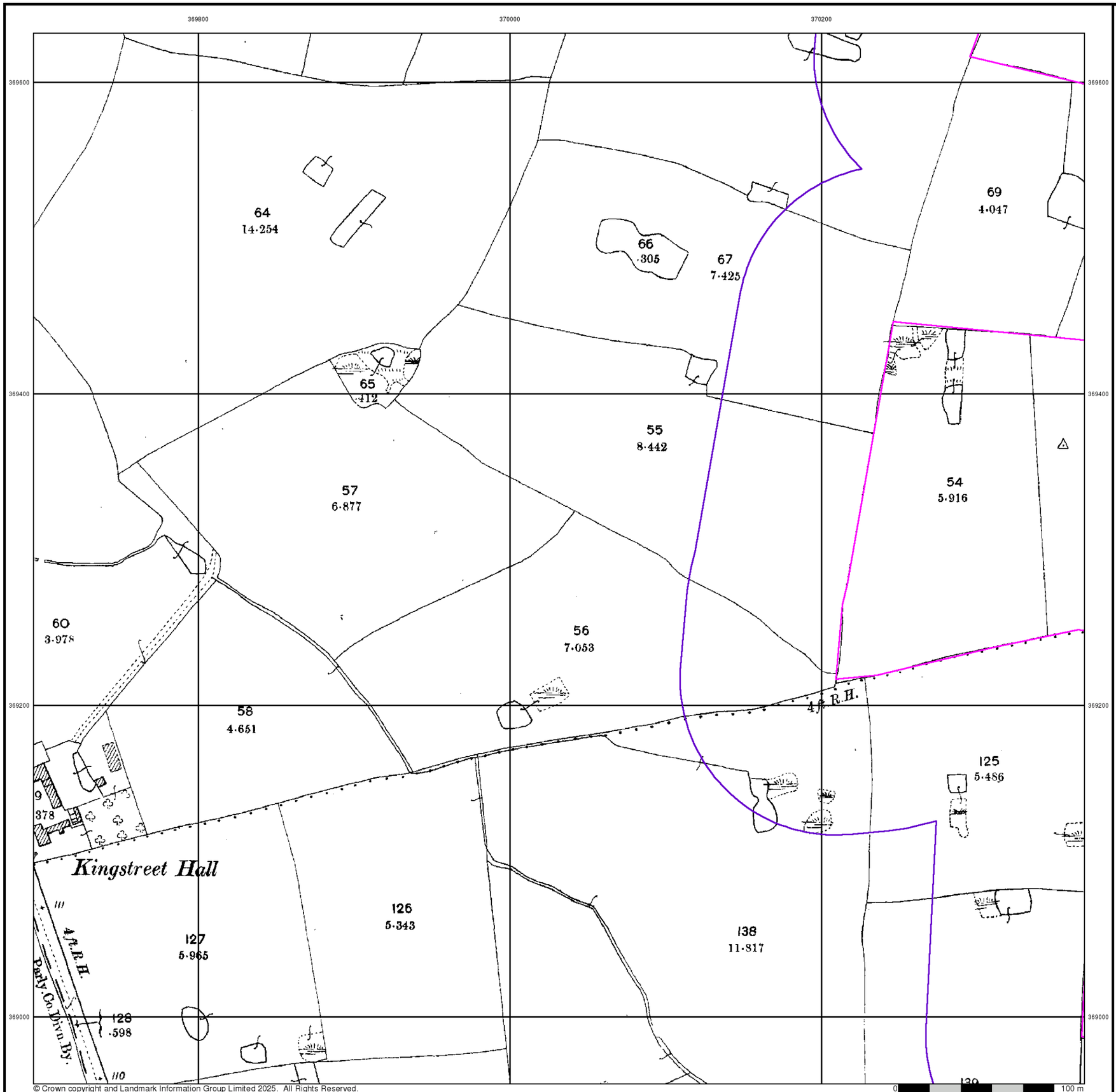

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Cheshire

Published 1898

Source map scale - 1:2,500

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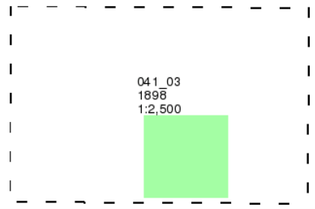
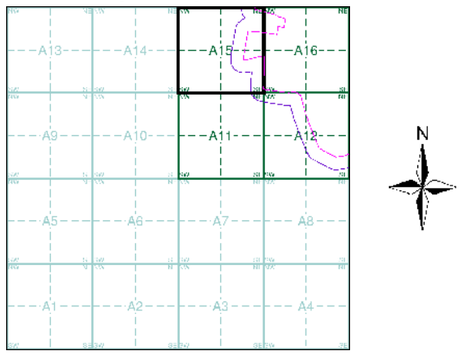


Historical Map - Segment A15



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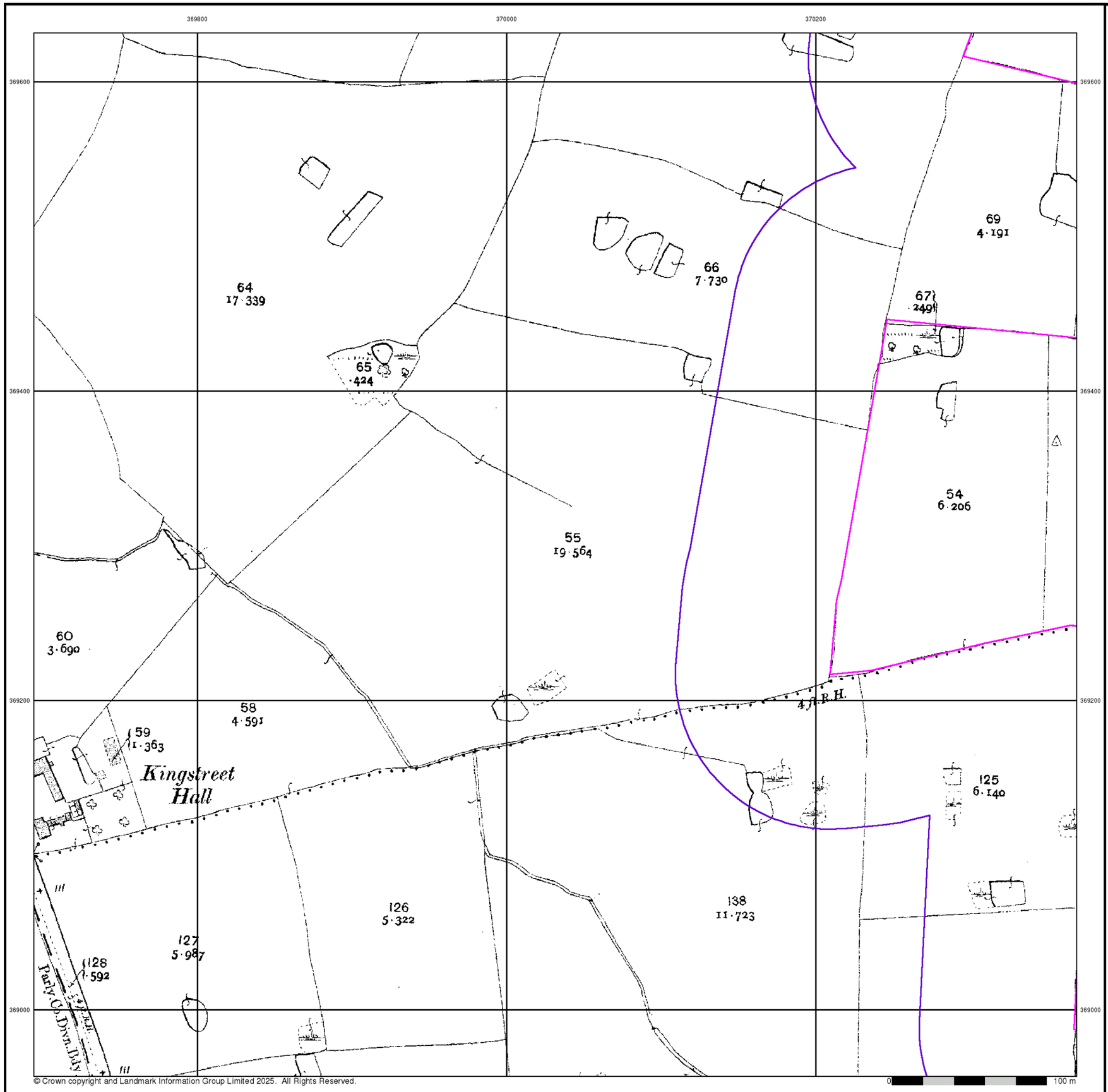

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Cheshire

Published 1909

Source map scale - 1:2,500

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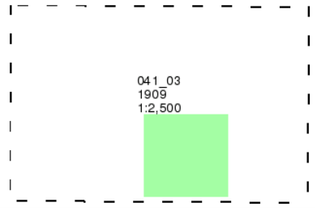
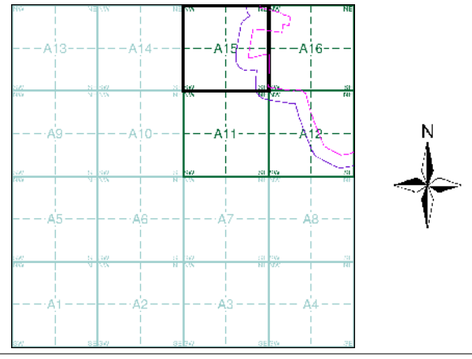


Historical Map - Segment A15



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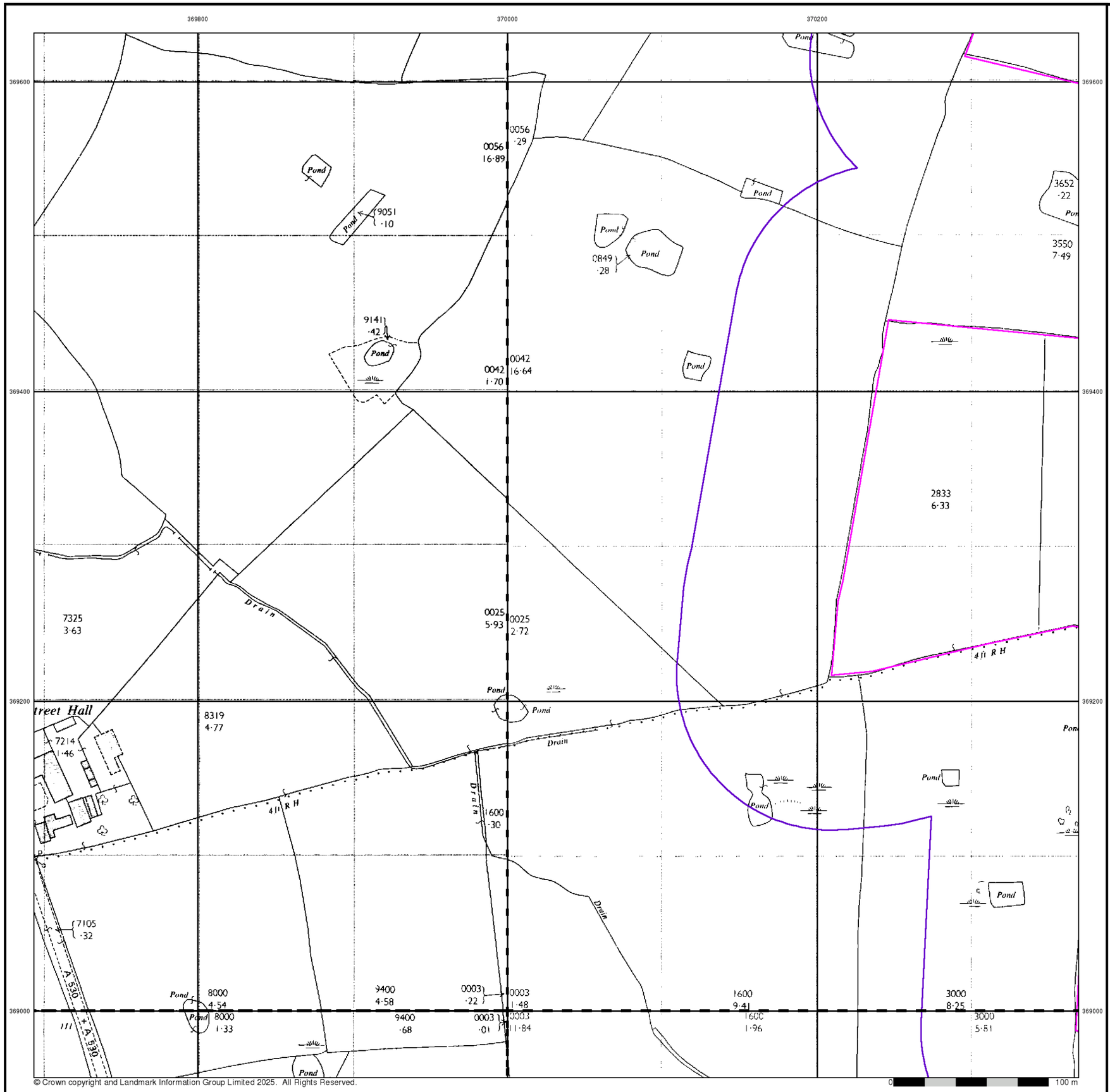

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Ordnance Survey Plan

Published 1968

Source map scale - 1:2,500

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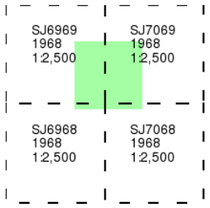
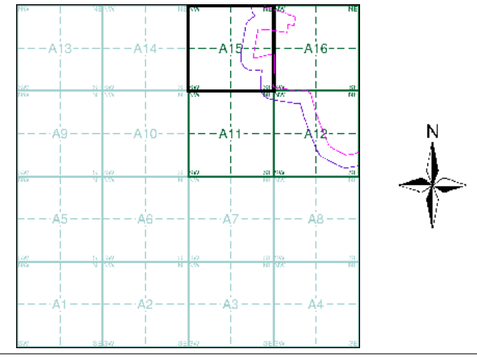


Historical Map - Segment A15



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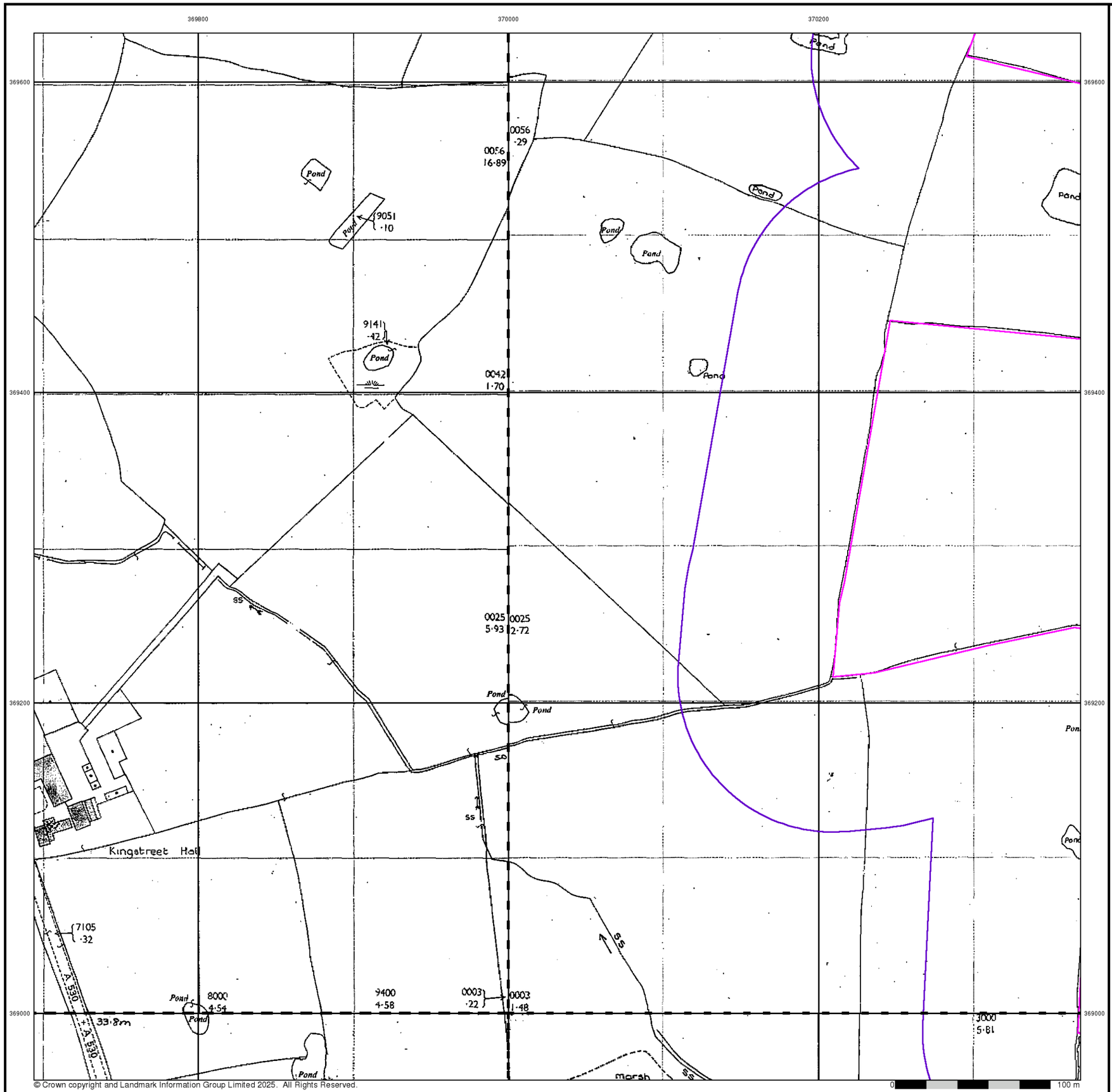

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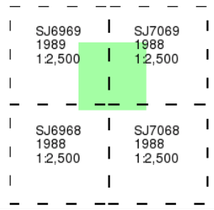
Additional SIMs

Published 1988 - 1989

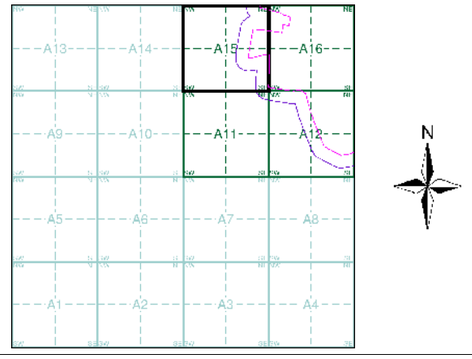
Source map scale - 1:2,500

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

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

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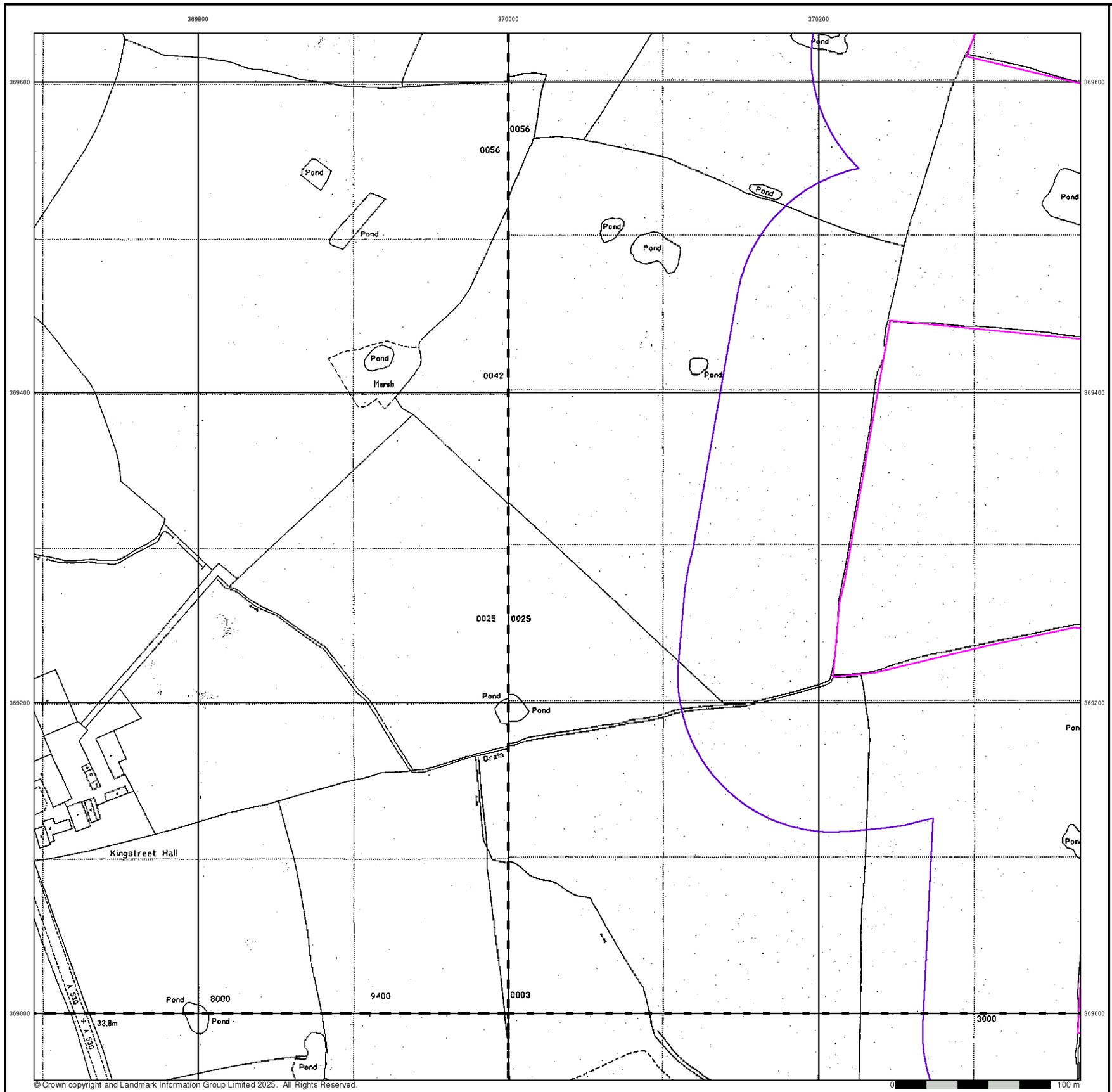
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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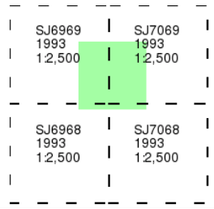
Large-Scale National Grid Data

Published 1993

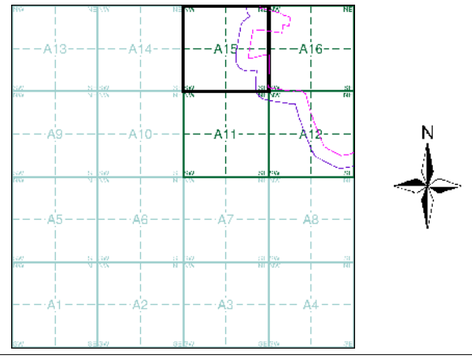
Source map scale - 1:2,500

'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



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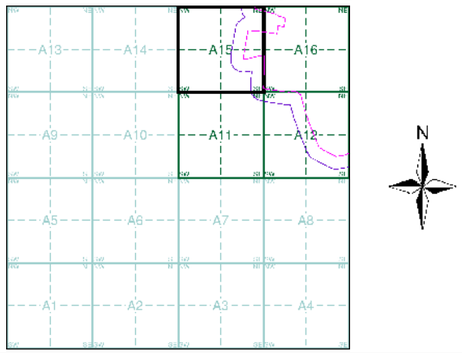
Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A15



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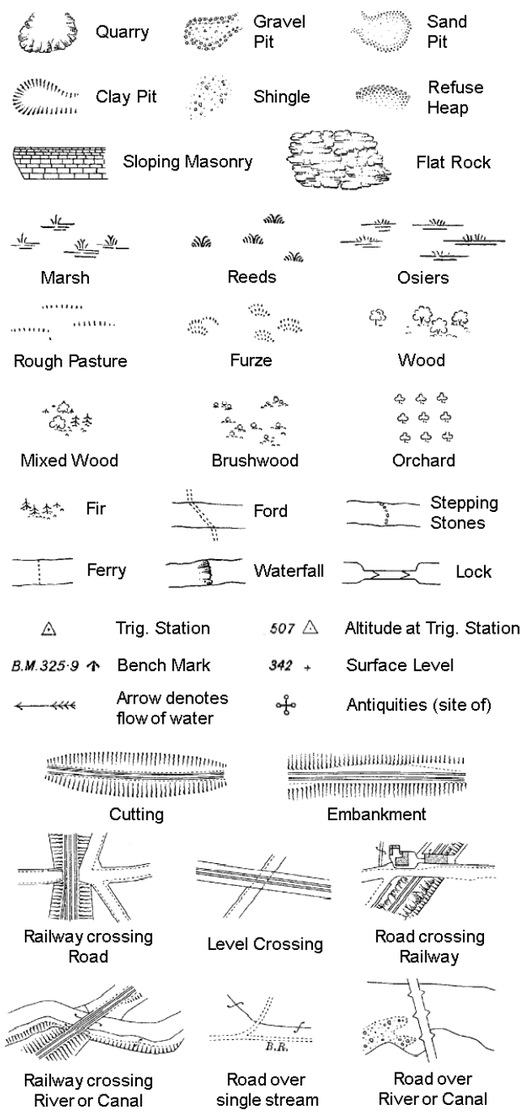
Historical Mapping Legends

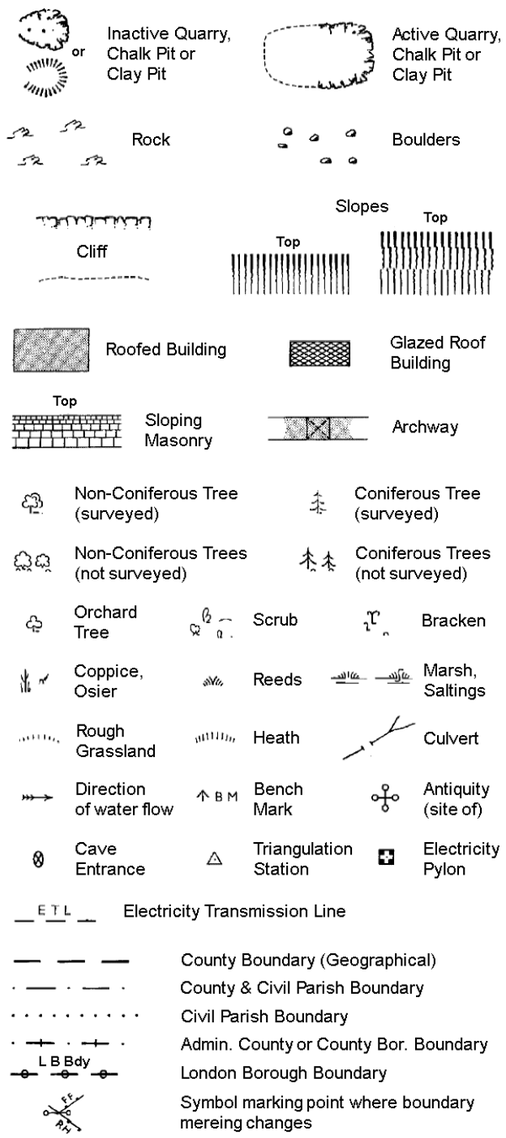
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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

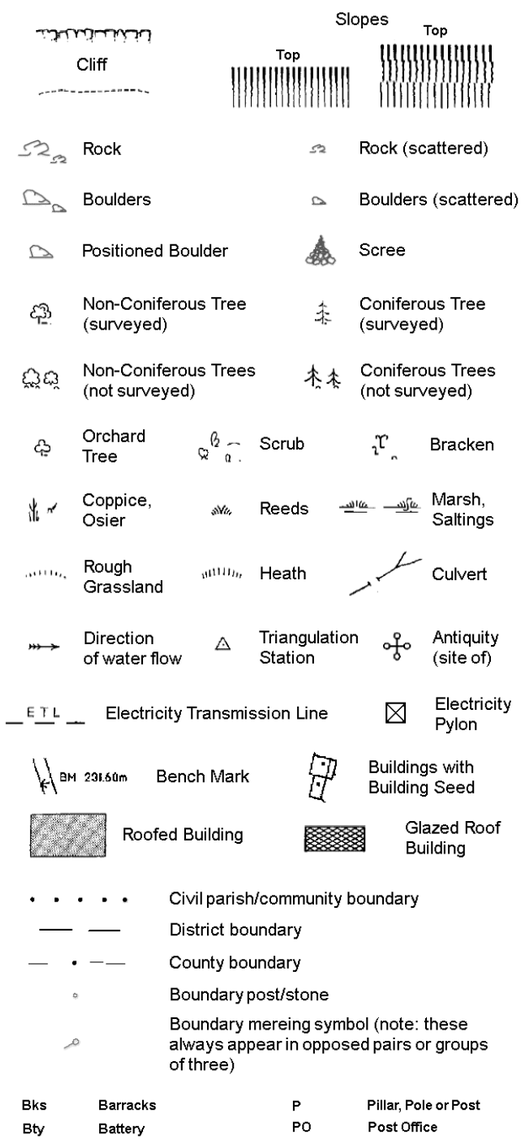
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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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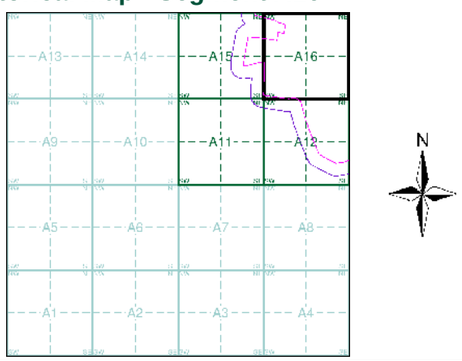
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:2,500	1875 - 1876	2
Cheshire	1:2,500	1898	3
Cheshire	1:2,500	1909	4
Ordnance Survey Plan	1:2,500	1968	5
Additional SIMs	1:2,500	1988	6
Large-Scale National Grid Data	1:2,500	1993	7
Historical Aerial Photography	1:2,500	2000	8

Historical Map - Segment A16



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National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

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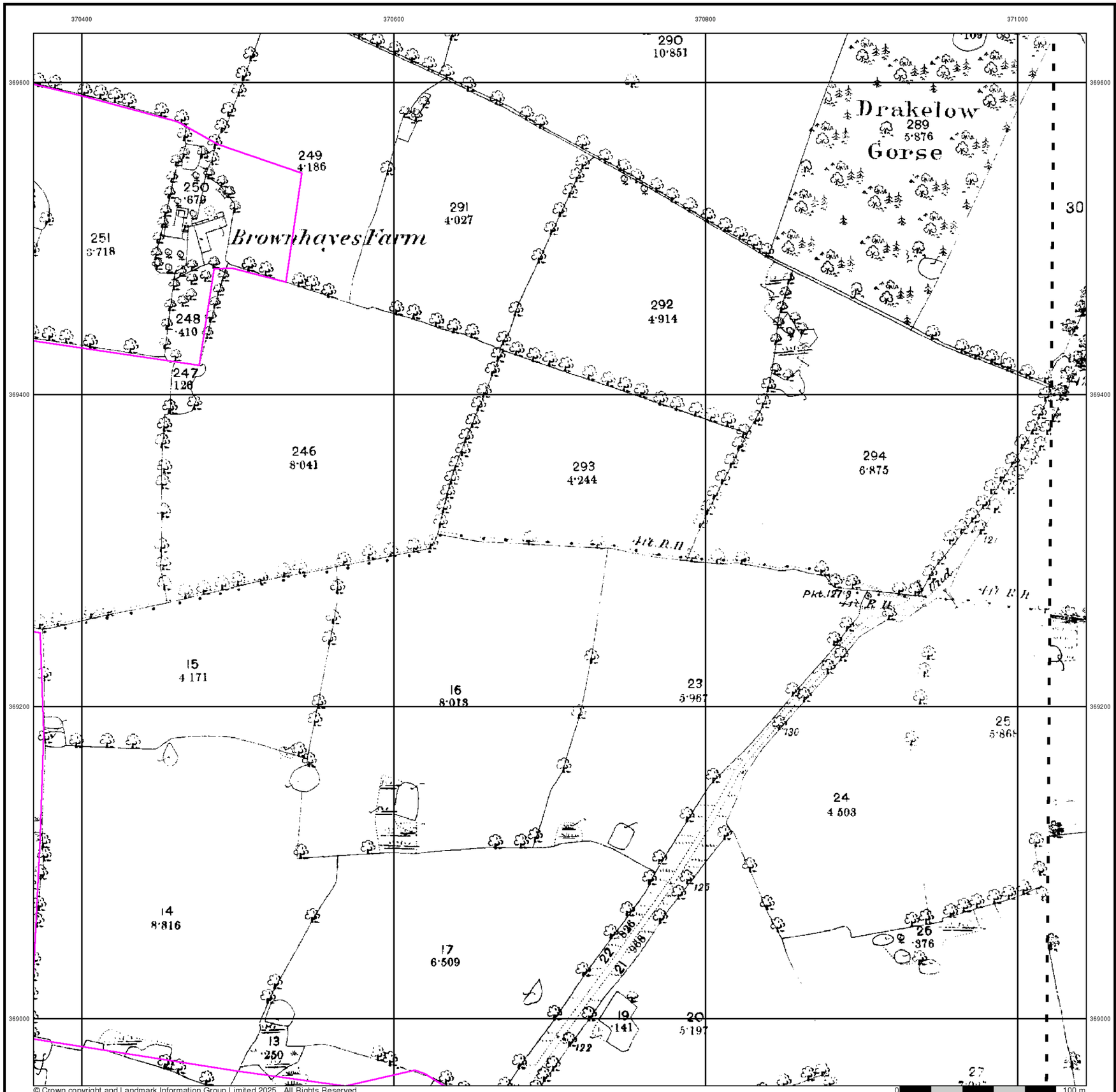

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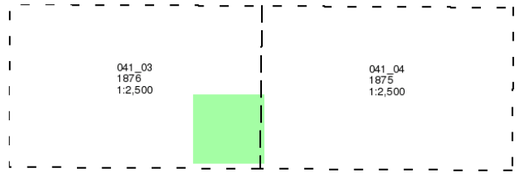
Cheshire

Published 1875 - 1876

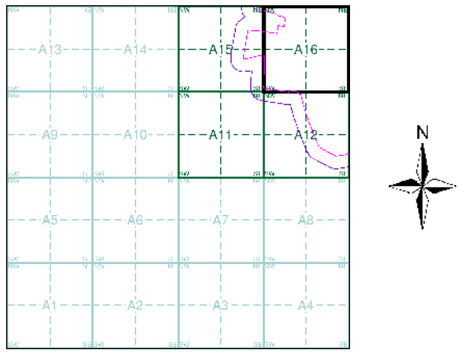
Source map scale - 1:2,500

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 A16



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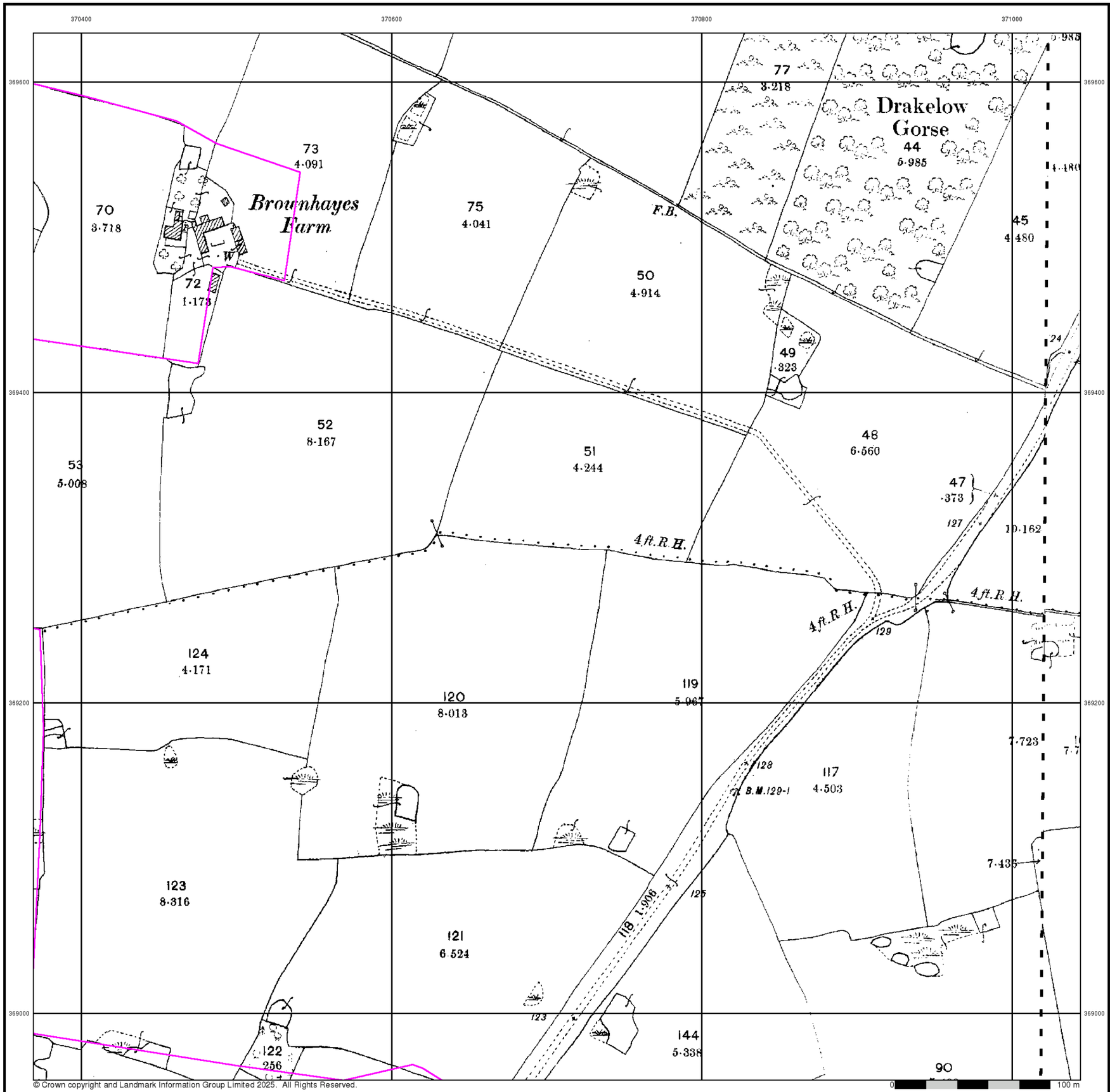

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Cheshire

Published 1898

Source map scale - 1:2,500

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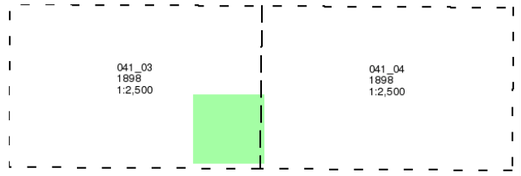
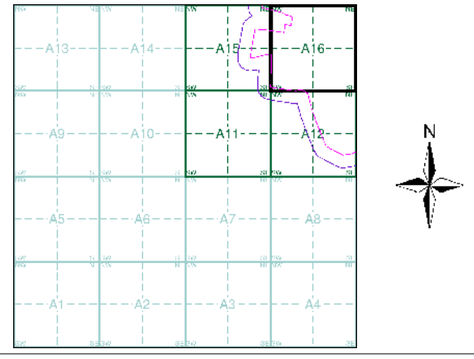


Historical Map - Segment A16



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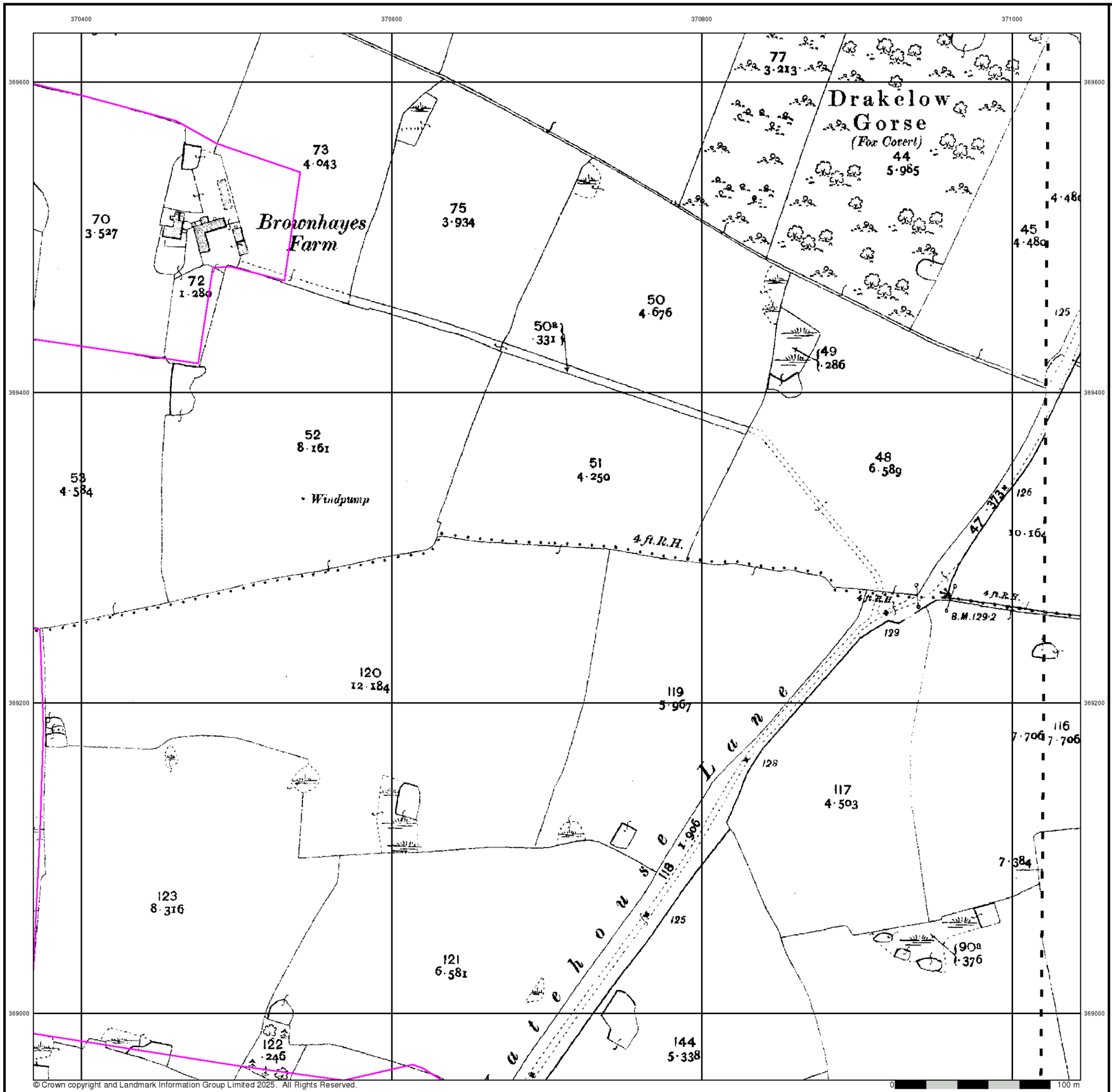

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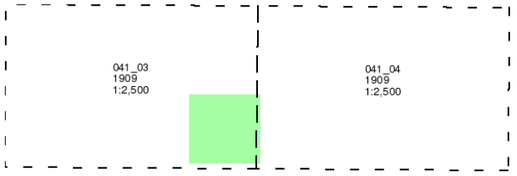
Cheshire

Published 1909

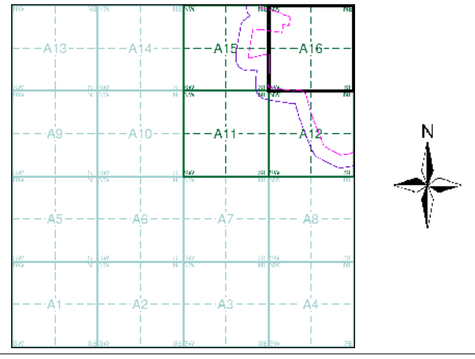
Source map scale - 1:2,500

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 A16



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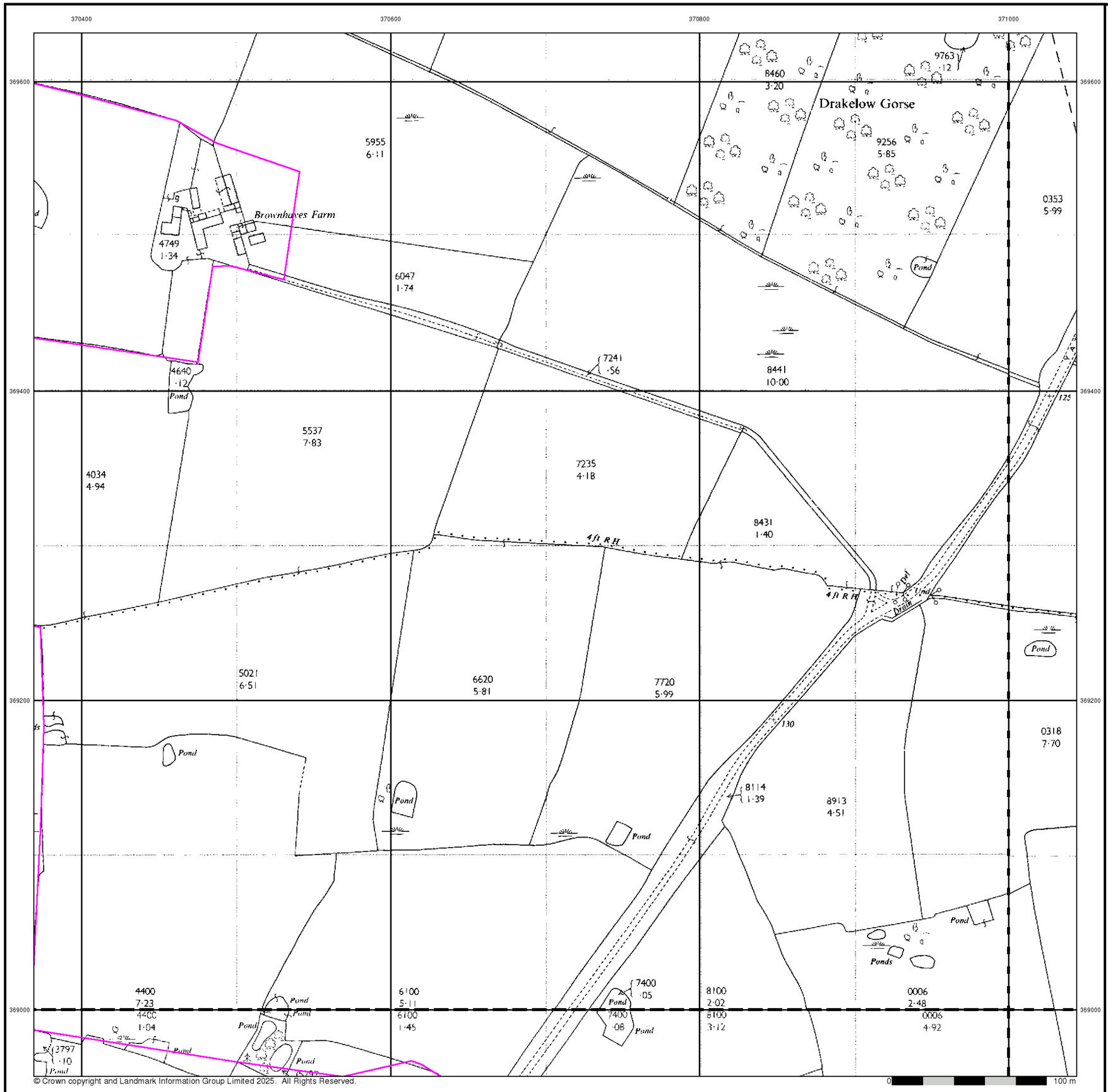

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Ordnance Survey Plan

Published 1968

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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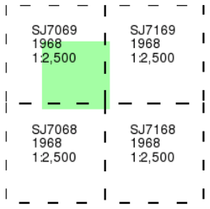
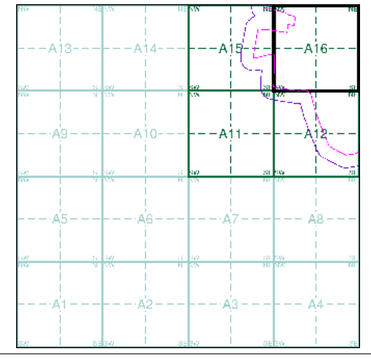


Historical Map - Segment A16



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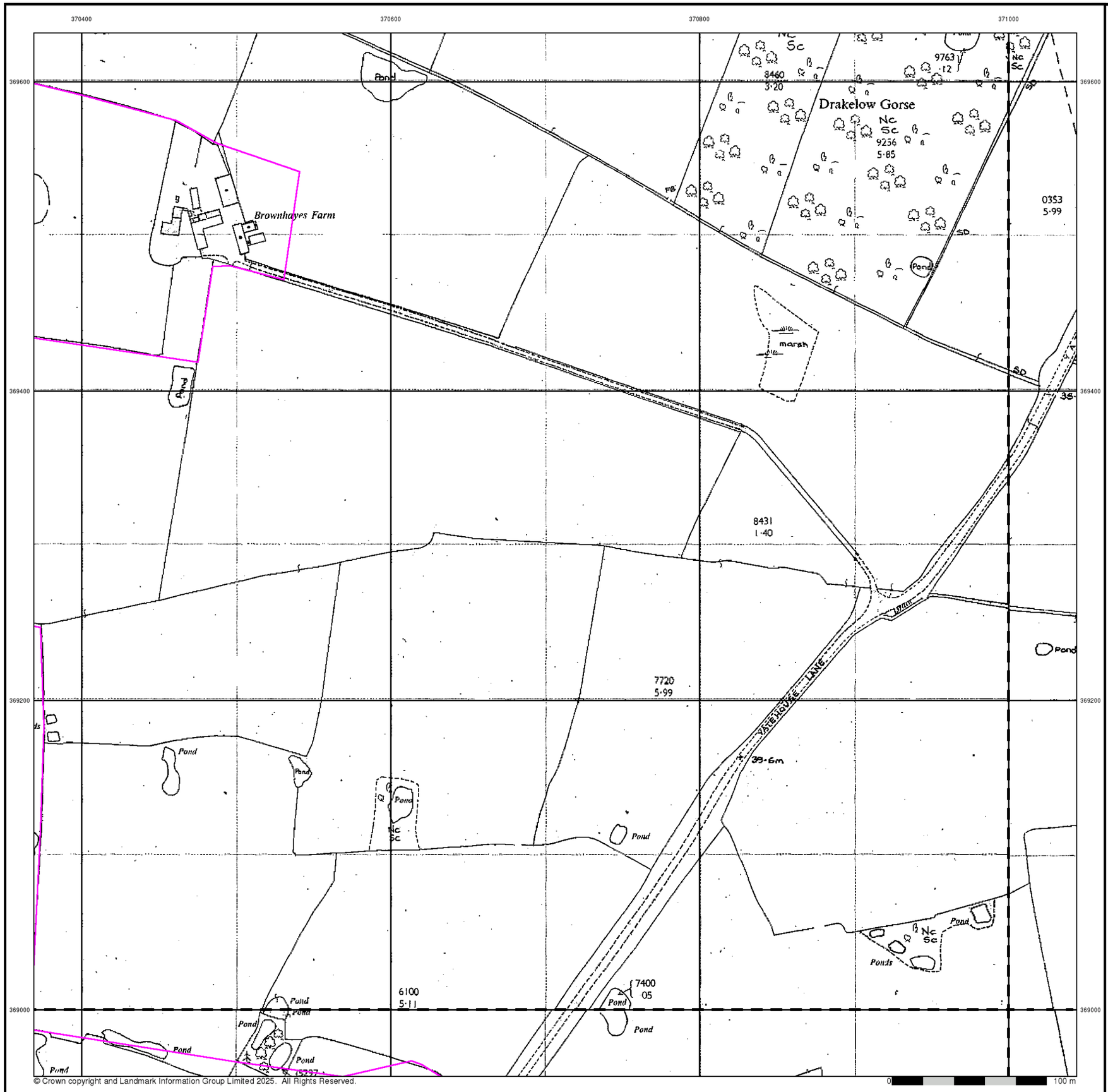

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Additional SIMs

Published 1988

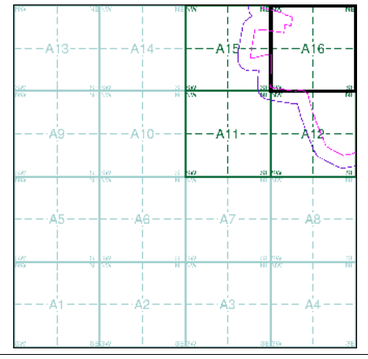
Source map scale - 1:2,500

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)

SJ7069 1988 1:2,500	SJ7169 1988 1:2,500
SJ7068 1988 1:2,500	SJ7168 1988 1:2,500

Historical Map - Segment A16



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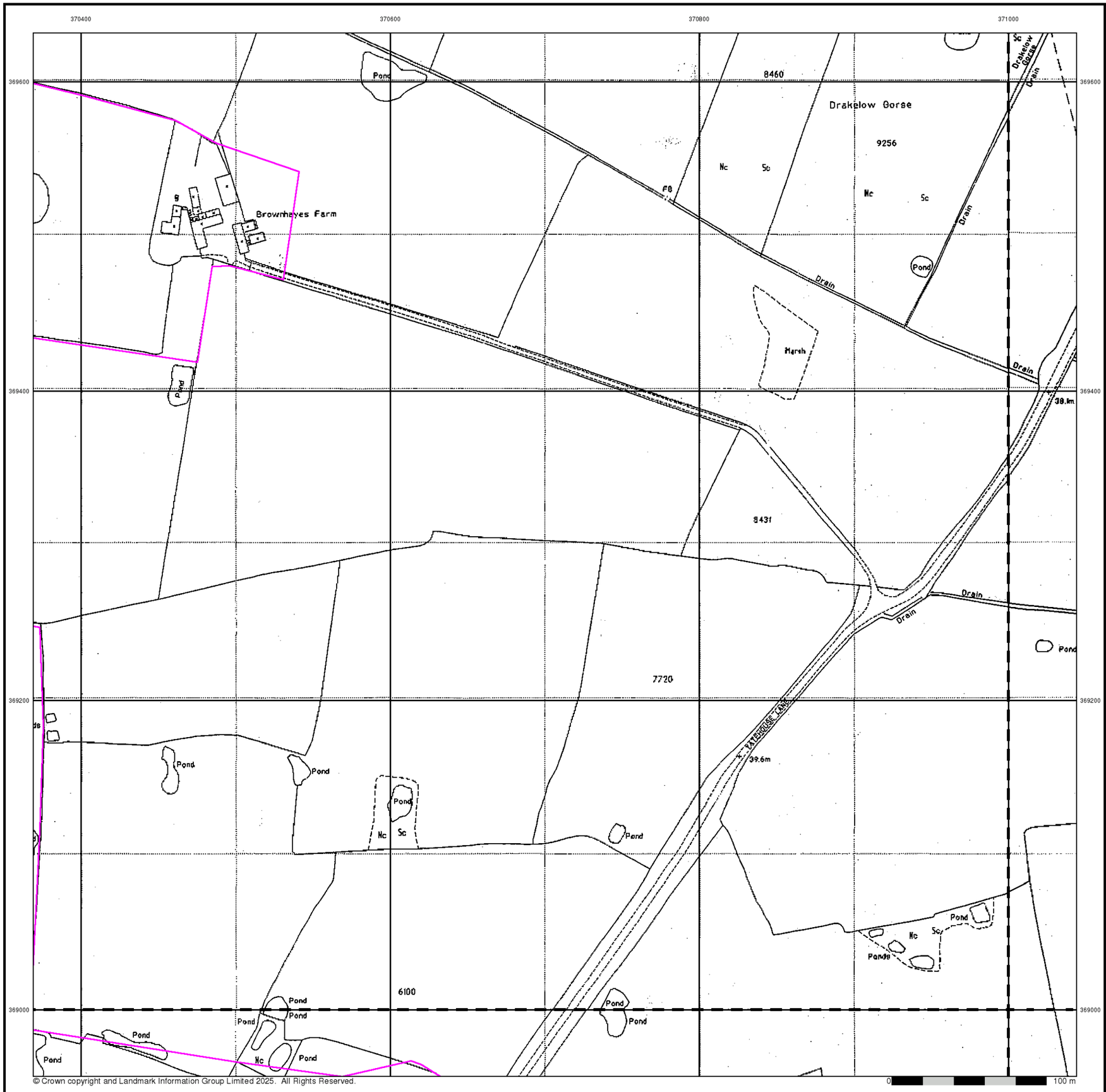

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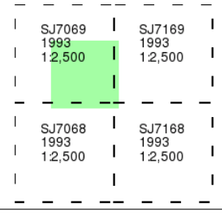
Large-Scale National Grid Data

Published 1993

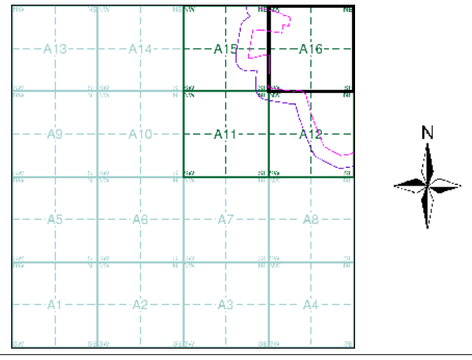
Source map scale - 1:2,500

'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



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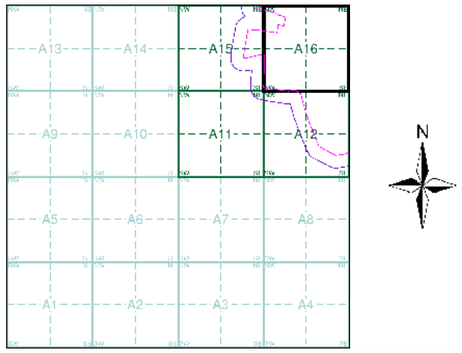
Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A16



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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

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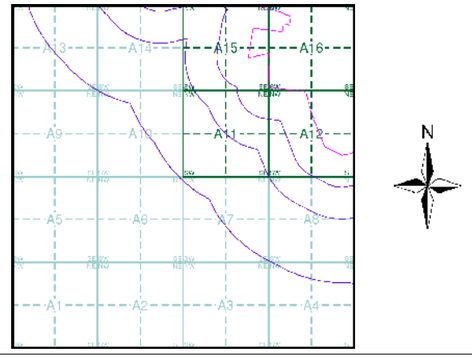
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:10,560	1882	2
Cheshire	1:10,560	1899	3
Cheshire	1:10,560	1911	4
Cheshire	1:10,560	1938	5
Ordnance Survey Plan	1:10,000	1954	6
Ordnance Survey Plan	1:10,000	1969	7
Ordnance Survey Plan	1:10,000	1970 - 1971	8
Ordnance Survey Plan	1:10,000	1981 - 1988	9
Ordnance Survey Plan	1:10,000	1993	10
10K Raster Mapping	1:10,000	1999	11
10K Raster Mapping	1:10,000	2006	12
VectorMap Local	1:10,000	2025	13

Historical Map - Slice A



Order Details

Order Number: 381333716_1_1
Customer Ref: Keuper Hydrogen - ERM ref. 0755727
National Grid Reference: 370120, 368790
Slice: A
Site Area (Ha): 357.89
Search Buffer (m): 1000

Site Details

Site at, Byley, Cheshire West & Chester

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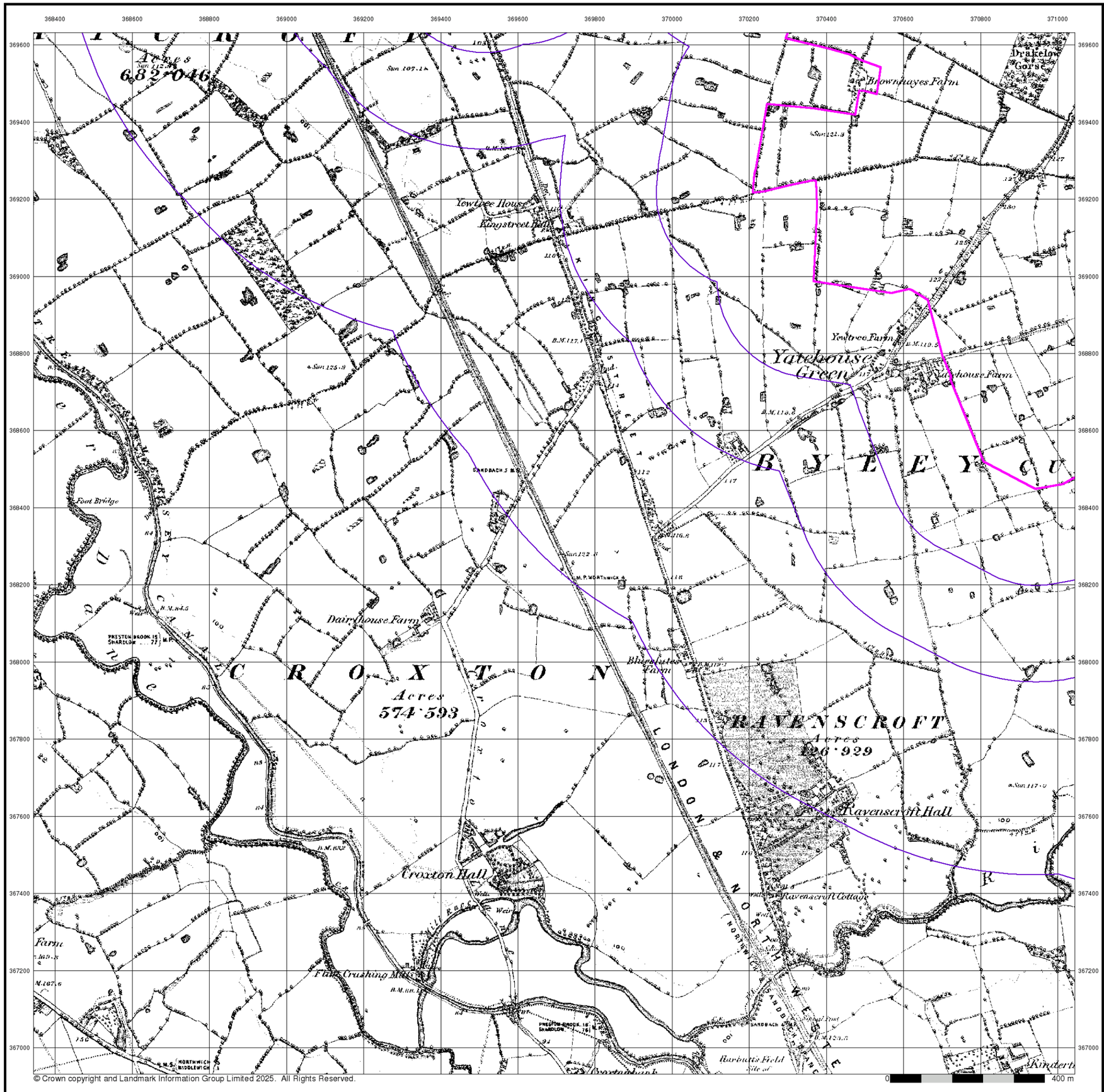

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Cheshire

Published 1882

Source map scale - 1:10,560

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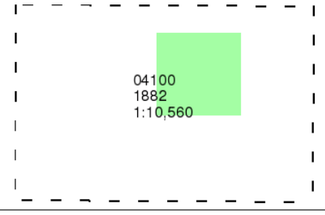
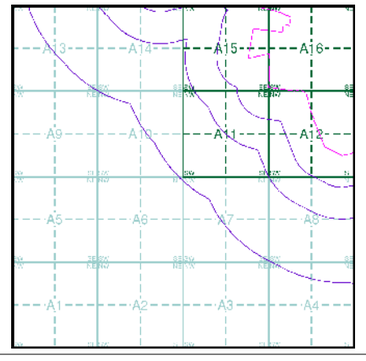
Map Name(s) and Date(s)



Historical Map - Slice A



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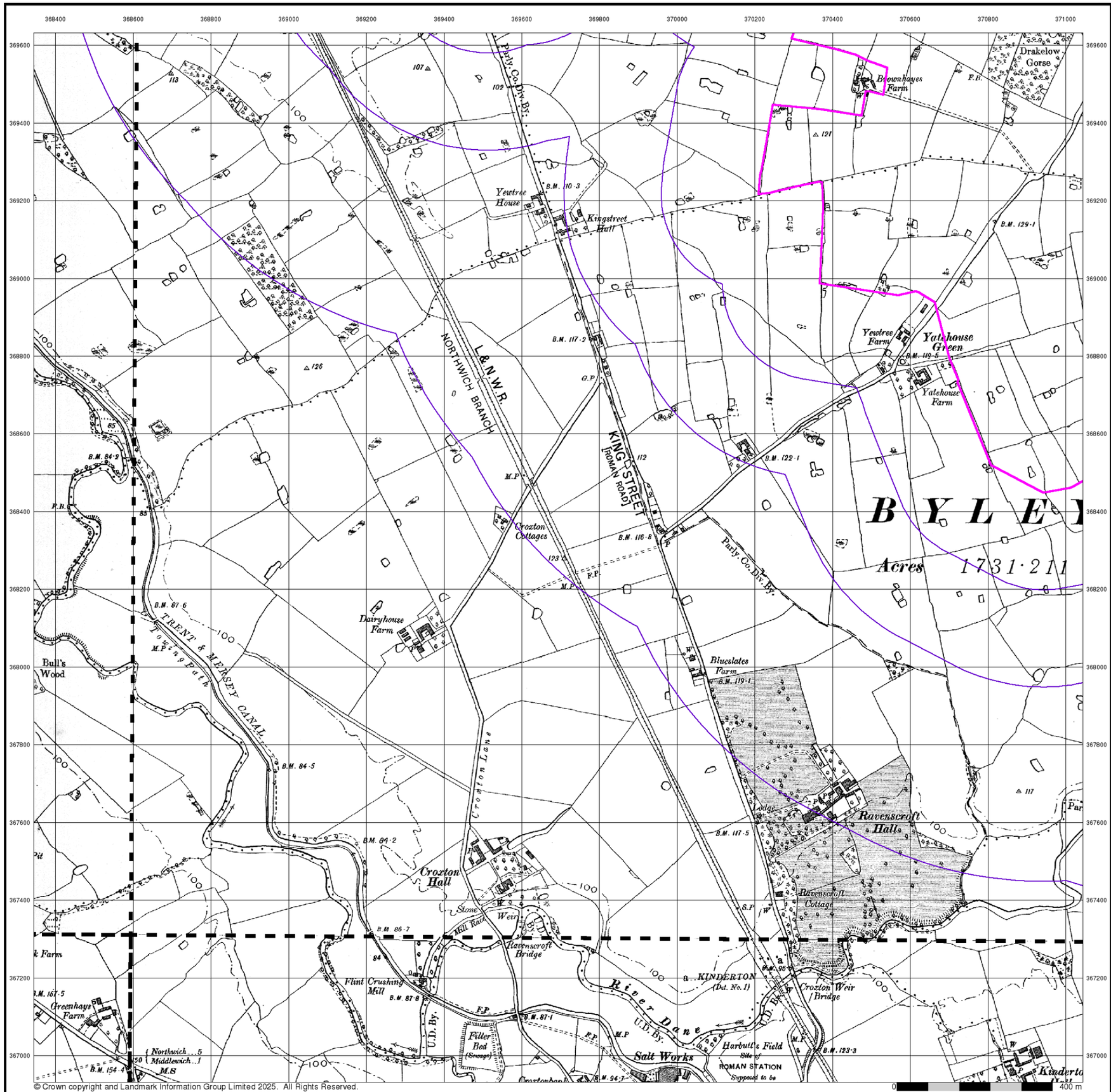

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Cheshire

Published 1899

Source map scale - 1:10,560

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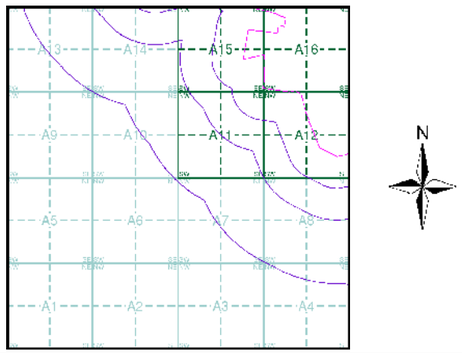
Map Name(s) and Date(s)

041NW 1899 1:10,560	041NE 1899 1:10,560
041SW 1899 1:10,560	041SE 1899 1:10,560

Historical Map - Slice A



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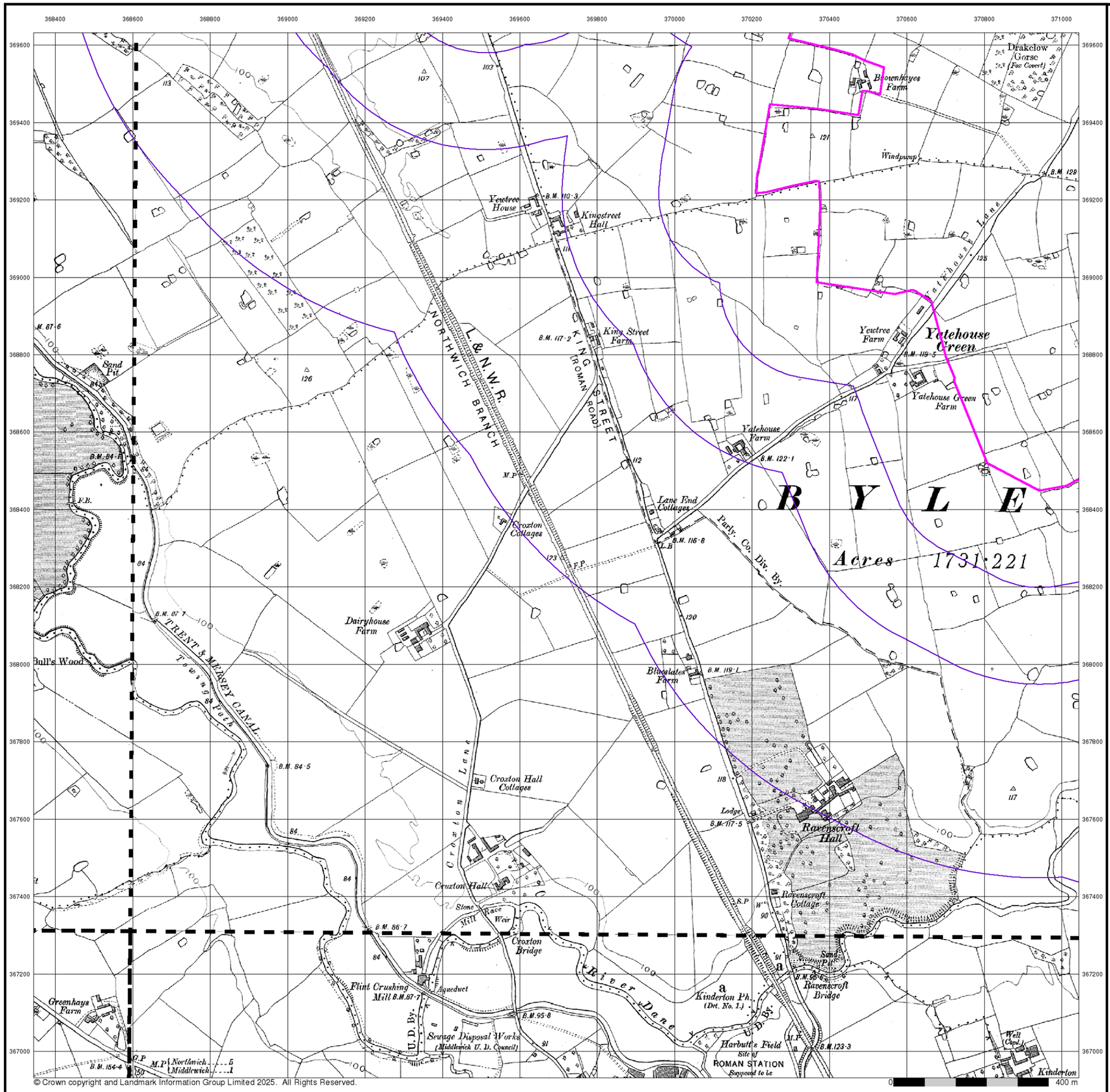

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Cheshire

Published 1911

Source map scale - 1:10,560

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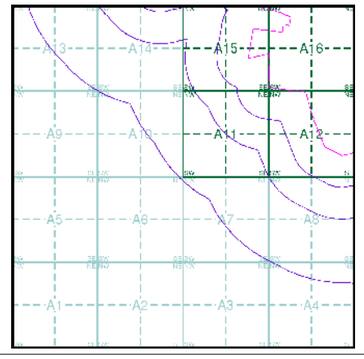
Map Name(s) and Date(s)

041NW 1911 1:10,560	041NE 1911 1:10,560
041SW 1911 1:10,560	041SE 1911 1:10,560

Historical Map - Slice A



Order Details

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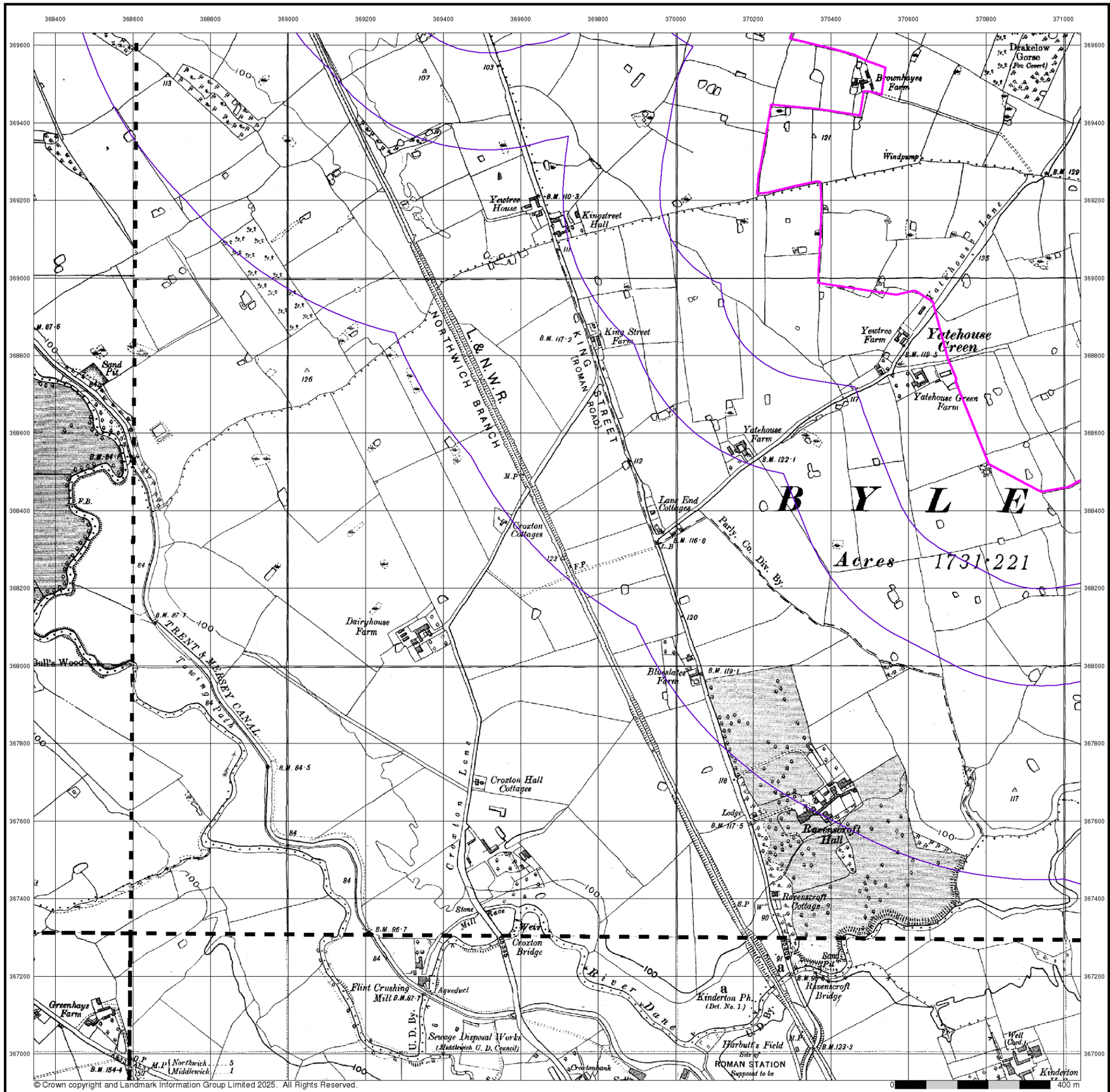

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Cheshire

Published 1938

Source map scale - 1:10,560

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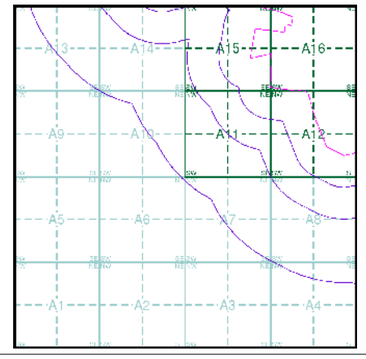
Map Name(s) and Date(s)

041NW 1938 1:10,560	041NE 1938 1:10,560
041SW 1938 1:10,560	041SE 1938 1:10,560

Historical Map - Slice A



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

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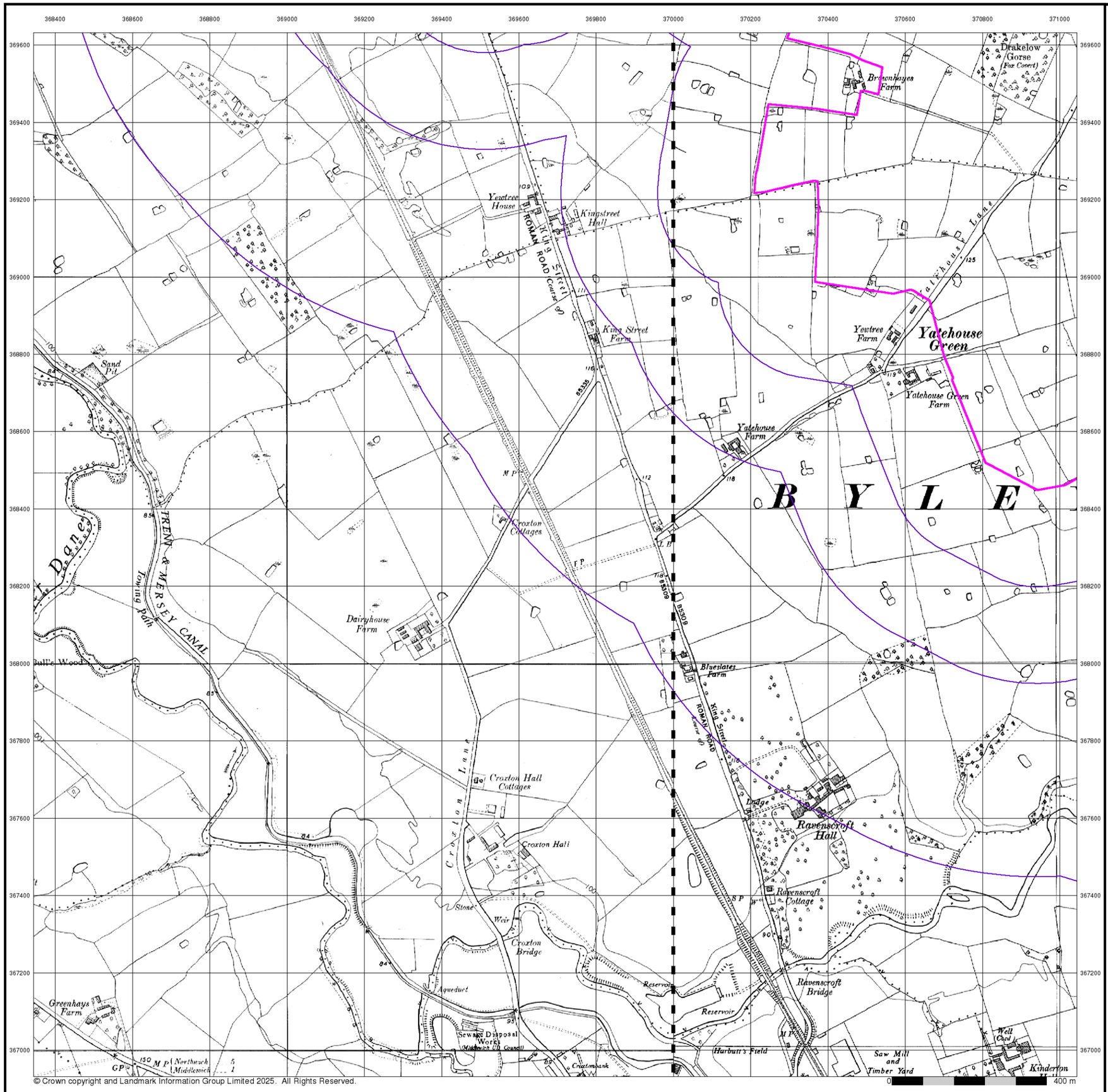

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Ordnance Survey Plan

Published 1954

Source map scale - 1:10,000

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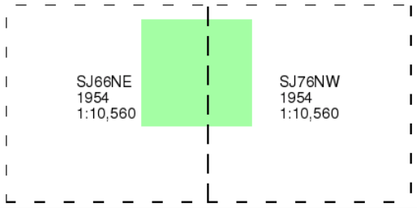
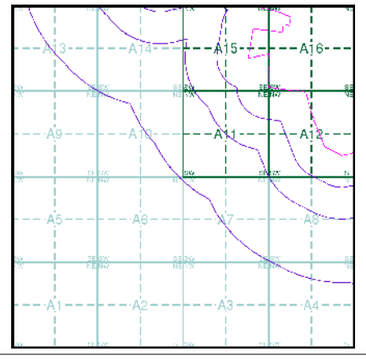
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
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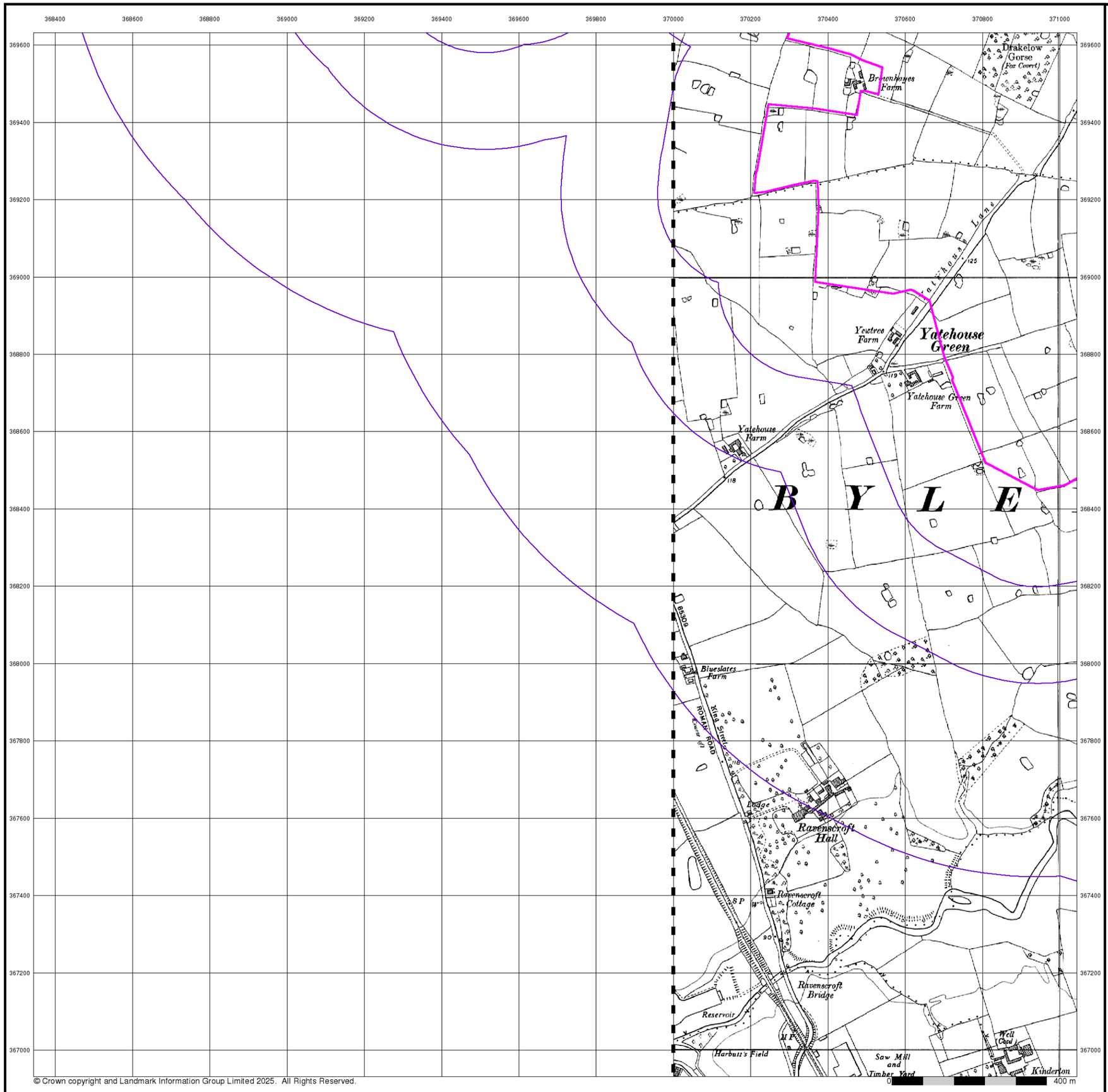

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Ordnance Survey Plan

Published 1969

Source map scale - 1:10,000

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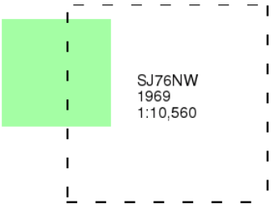
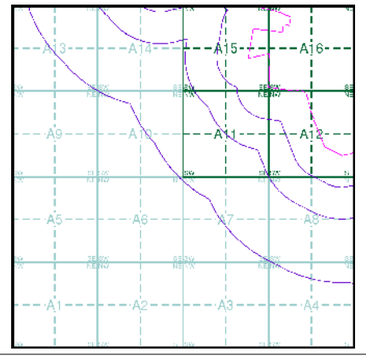
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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Slice:	A
Site Area (Ha):	357.89
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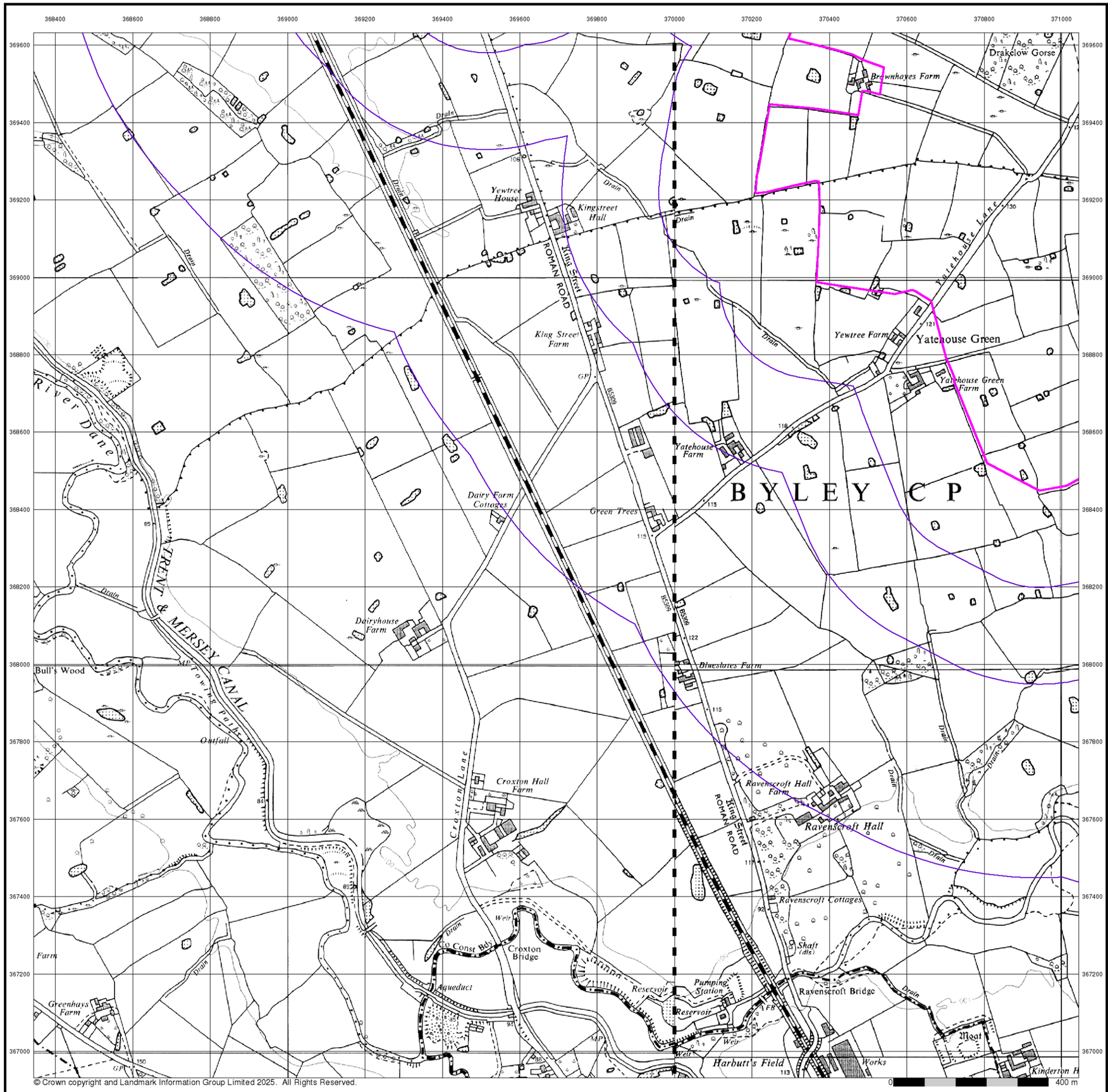

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Ordnance Survey Plan

Published 1970 - 1971

Source map scale - 1:10,000

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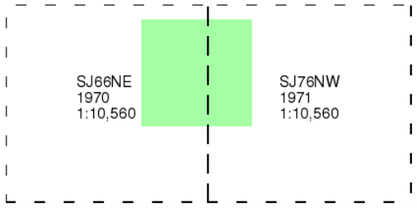
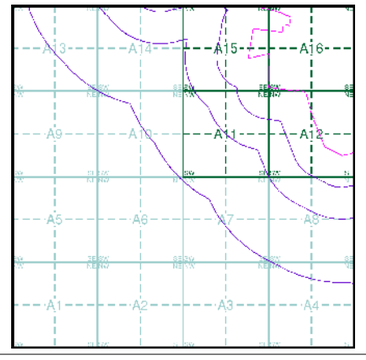
Map Name(s) and Date(s)



Historical Map - Slice A



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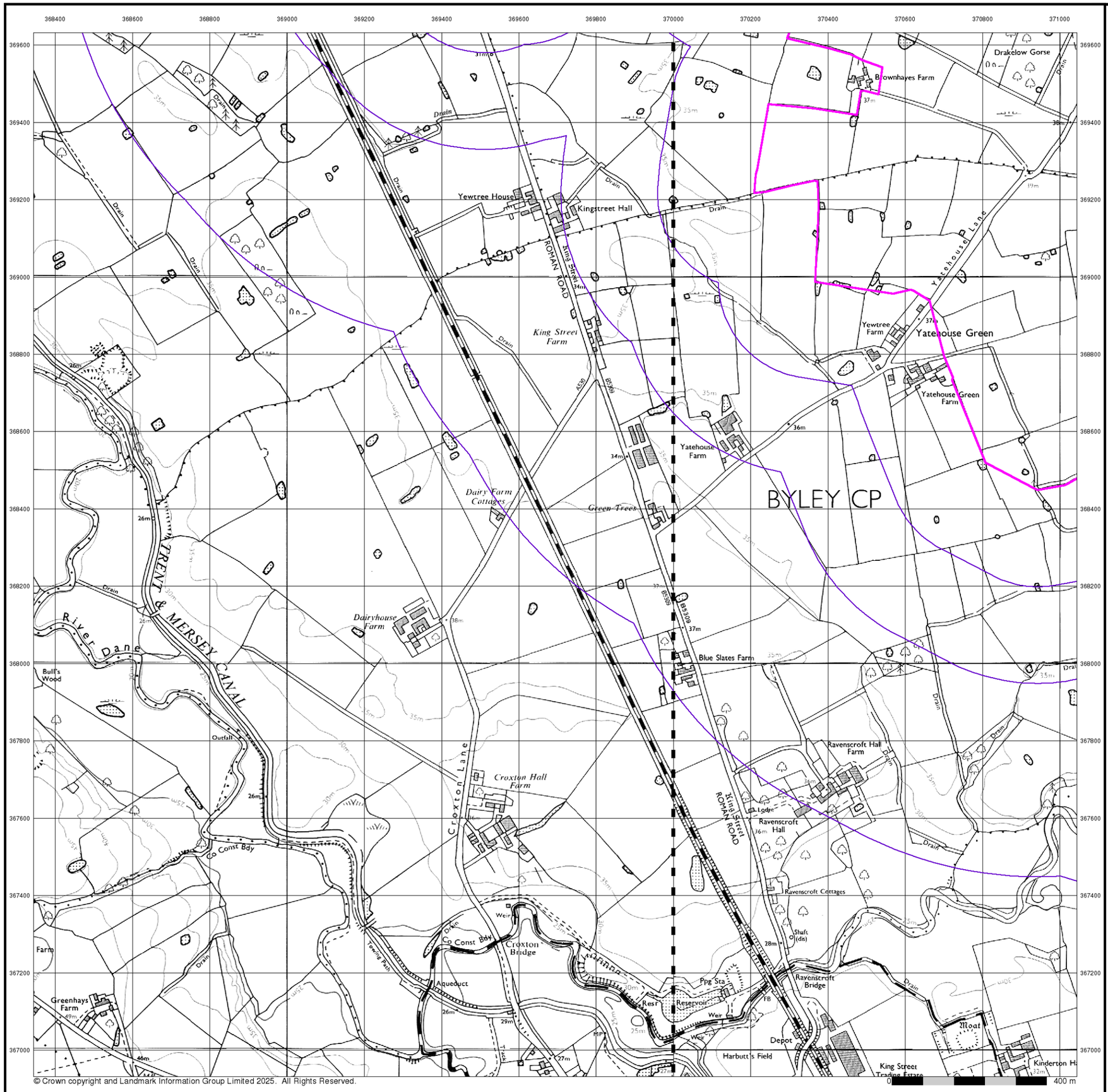

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Ordnance Survey Plan

Published 1981 - 1988

Source map scale - 1:10,000

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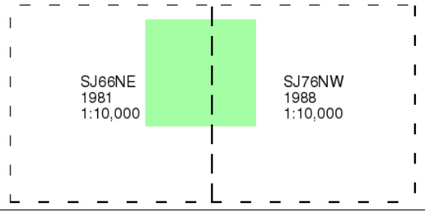
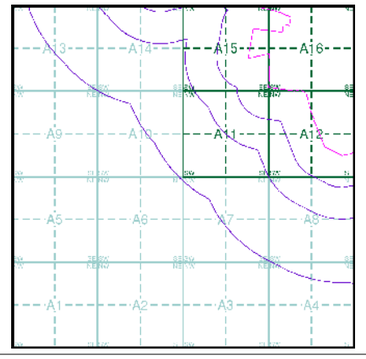
Map Name(s) and Date(s)



Historical Map - Slice A



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Slice:	A
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Search Buffer (m):	1000

Site Details

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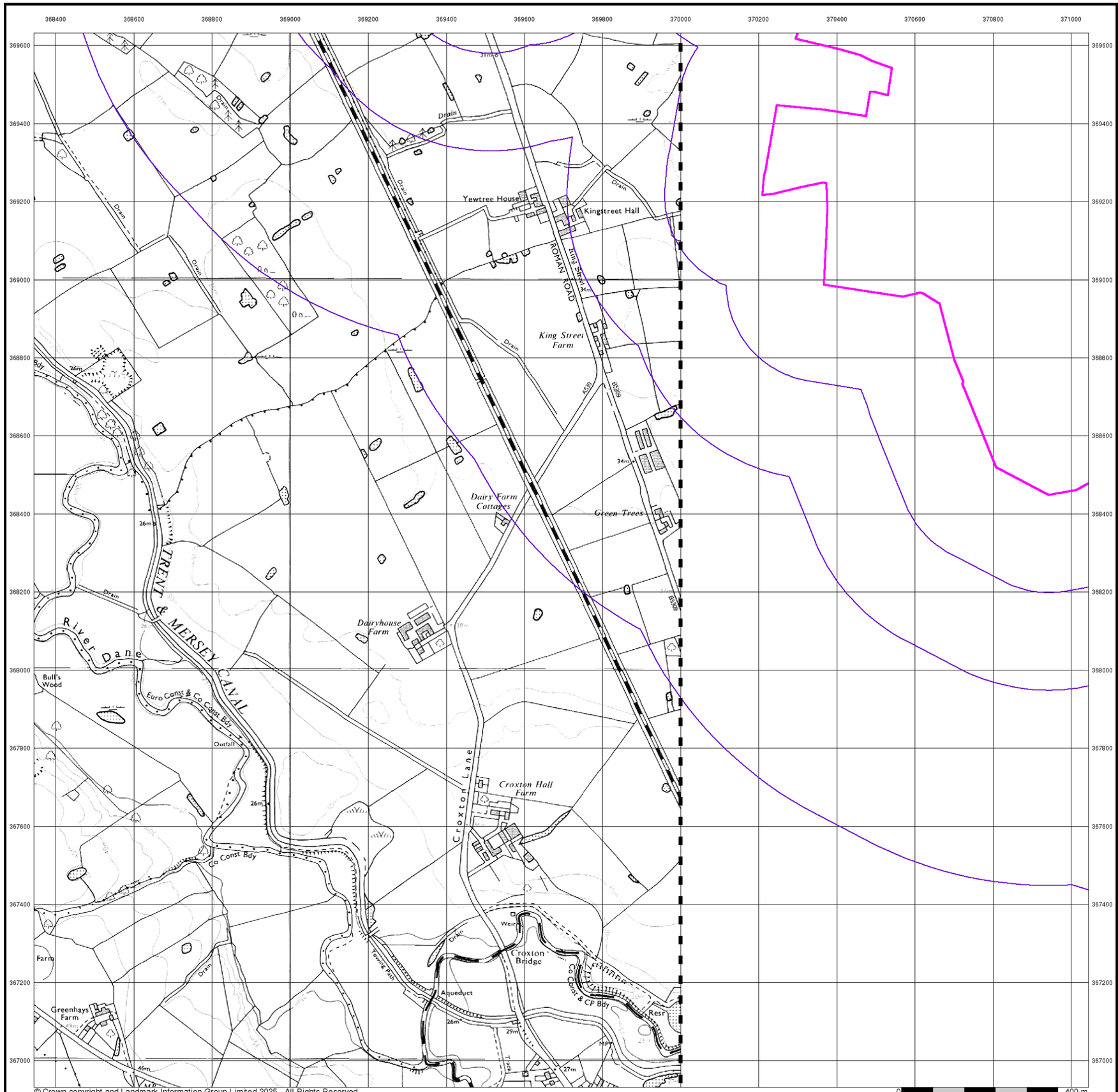

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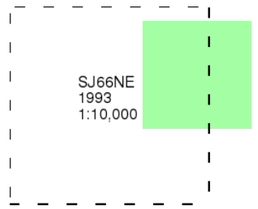
Ordnance Survey Plan

Published 1993

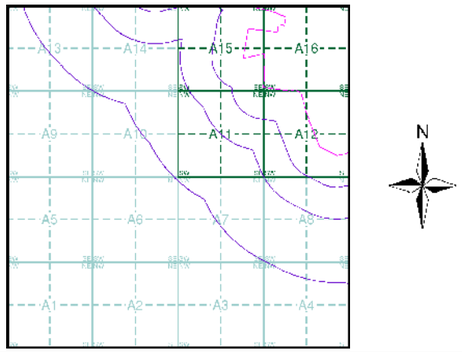
Source map scale - 1:10,000

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:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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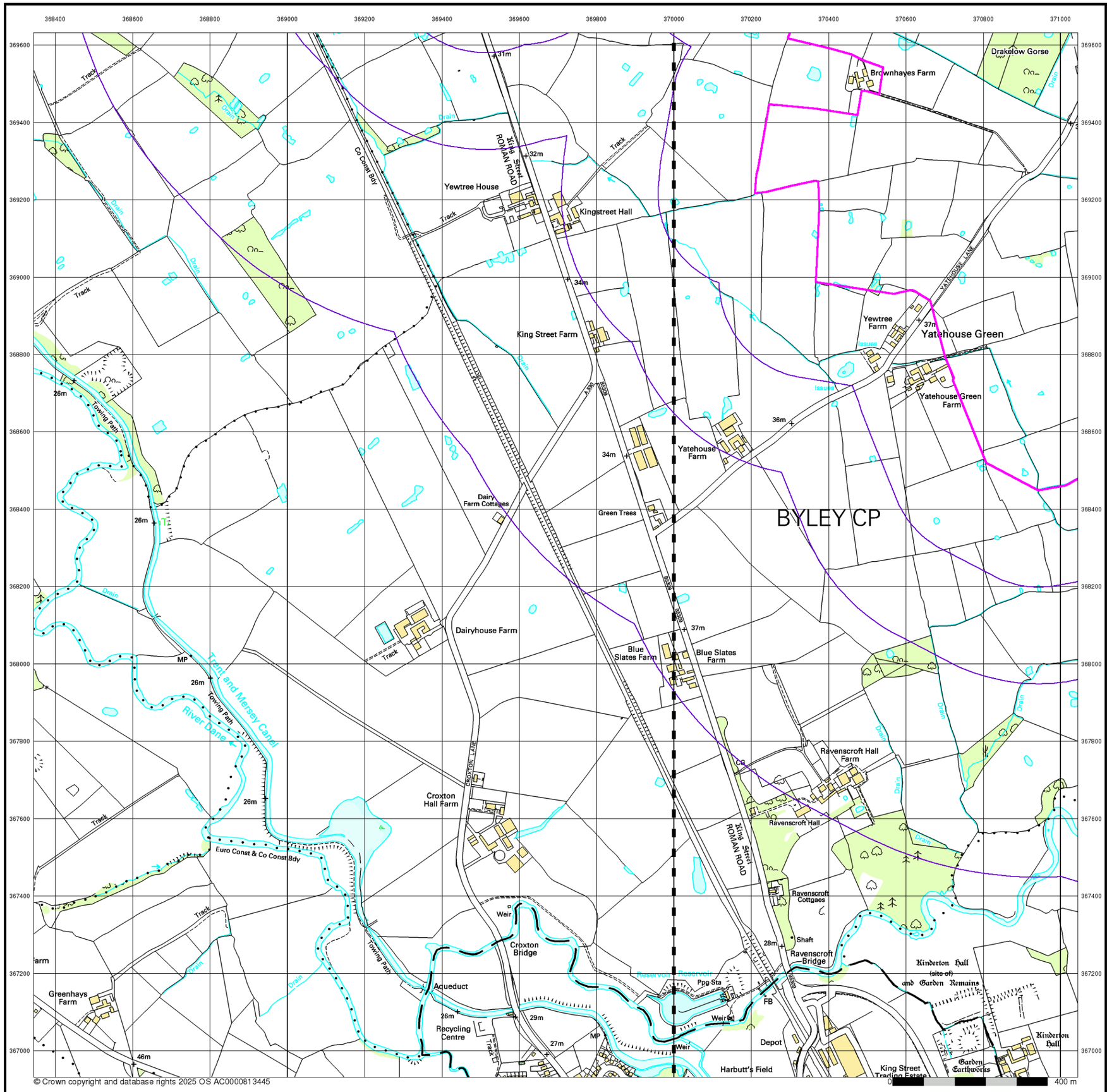

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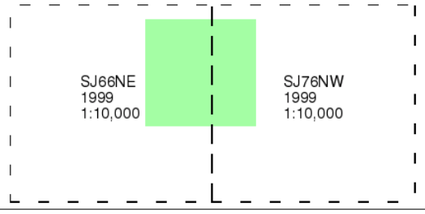
10k Raster Mapping

Published 1999

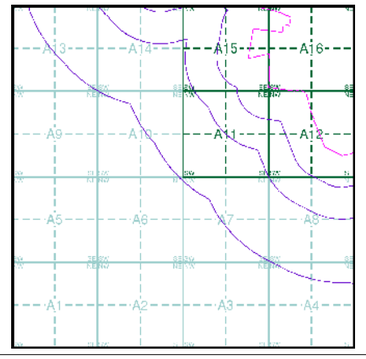
Source map scale - 1:10,000

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

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National Grid Reference:	370120, 368790
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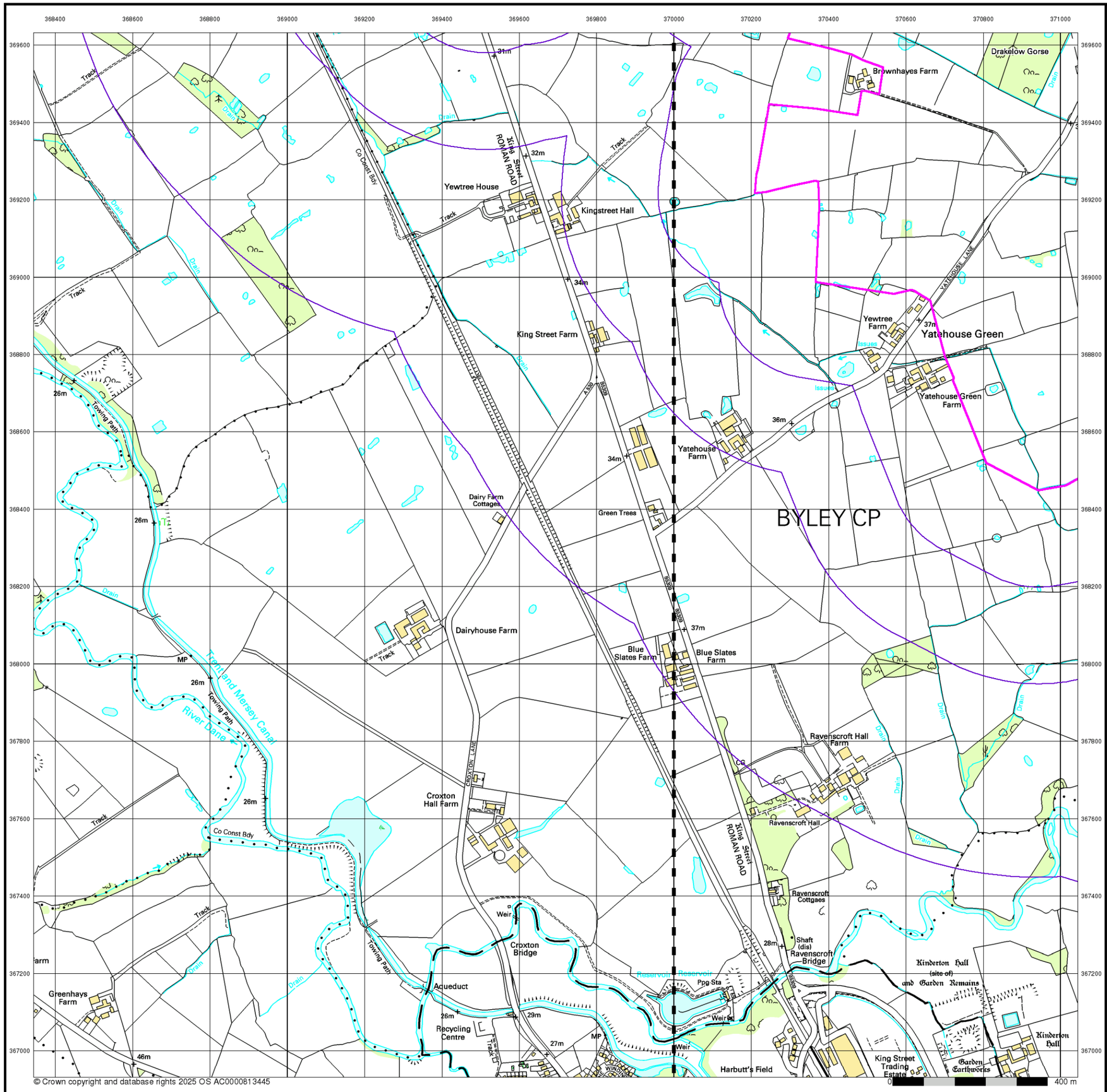

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10k Raster Mapping

Published 2006

Source map scale - 1:10,000

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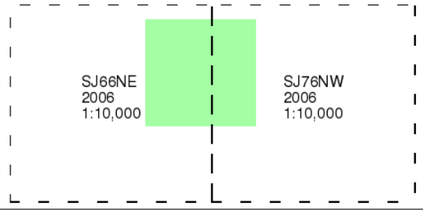
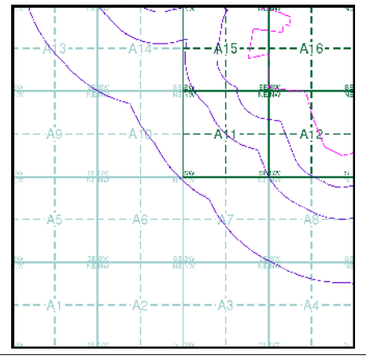
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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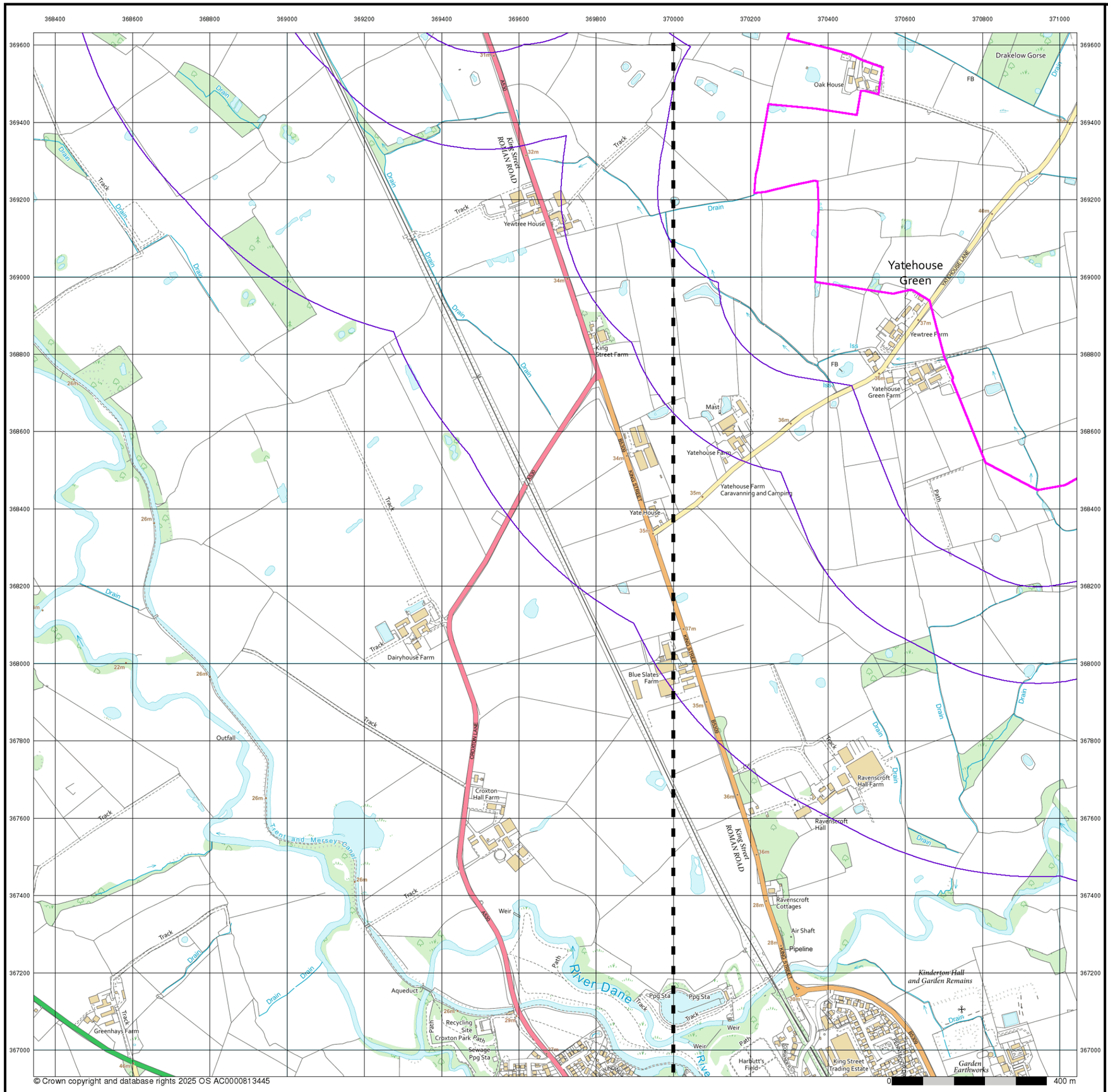

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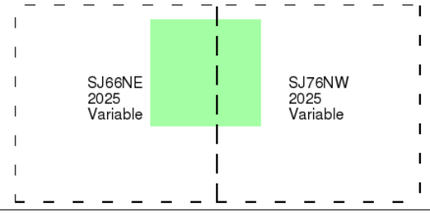
VectorMap Local

Published 2025

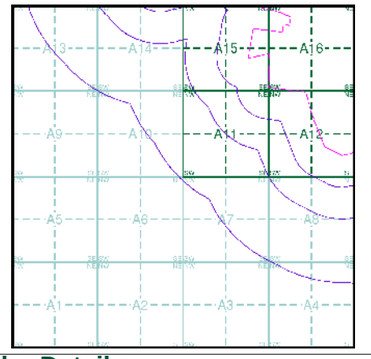
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	370120, 368790
Slice:	A
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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Datasheet

Order Details:

Order Number:
381333716_1_1

Customer Reference:
Keuper Hydrogen - ERM ref. 0755727

National Grid Reference:
371880, 368680

Slice:
B

Site Area (Ha):
357.89

Search Buffer (m):
1000

Site Details:

Site at
Byley
Cheshire West & Chester

Client Details:

Ms K Thompson
Environmental Resources Management Ltd
2nd Floor, Exchequer Court
33 St Mary Axe
London
EC3A 8AA

Prepared For:

Storengy
Keuper Hydrogen

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Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
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Hazardous Substances	16
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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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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

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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 (*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		3		1
Prosecutions					
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	pg 2		1		4
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3				1 (*6)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 5	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 7	8	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			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					
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 8	13	12	5	20
Water Framework Directive - Catchment	pg 14	Yes	Yes		
Water Framework Directive - Groundwater	pg 14	Yes			
Water Framework Directive - Surface Waters					

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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)	pg 15				1
Local Authority Landfill Coverage		2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 15		1		
Potentially Infilled Land (Water)					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 15			1	
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 16			1	
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 16			1	
Planning Hazardous Substance Consents	pg 16	4	1	5	1
Planning Hazardous Substance Enforcements					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 18	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 18	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District	pg 19	Yes	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	pg 19	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 19	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 19	Yes		n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 19	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 20	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 20	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
Industrial Land Use					
Contemporary Trade Directory Entries	pg 21		3	7	13
Fuel Station Entries					
Points of Interest - Commercial Services	pg 23		2	5	3
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 23		4	4	4
Points of Interest - Public Infrastructure	pg 24	1			1
Points of Interest - Recreational and Environmental					
Underground Electrical Cables					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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 26	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites	pg 26	1			

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	(N)	0	1	371800 370150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13SW (NW)	0	1	371050 369100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	371150 370000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NE (NW)	0	1	371500 369500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B10NW (NE)	0	1	371950 368800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	370750 369250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	0	1	370900 369250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (NW)	0	1	371250 369550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(N)	0	1	371878 370000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B10NW (S)	0	1	371878 368683
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(N)	42	1	372200 369750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B14NW (N)	47	1	371878 369400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B14NW (N)	140	1	372000 369400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(W)	154	1	370650 368500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B15NW (NE)	240	1	372400 369550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B6NW (S)	491	1	371878 368100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B10NE (E)	499	1	372350 368800
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Byley Stw, Byley, Near Puddinglake, Cheshire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016810058 Permit Version: 3 Effective Date: 10th September 1985 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Puddinglake Brook **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	B14NW (N)	5	2	371990 369620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Byley Stw, Byley, Near Puddinglake, Cheshire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016810058 Permit Version: 1 Effective Date: 12th January 1980 Issued Date: Not Supplied Revocation Date: 30th January 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Lake/Reservoir - with outlet Receiving Water: Puddinglake Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	B14NW (N)	5	2	371990 369620
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Byley Stw, Byley, Near Puddinglake, Cheshire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016810058 Permit Version: 2 Effective Date: 31st January 1985 Issued Date: Not Supplied Revocation Date: 9th September 1985 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Lake/Reservoir - with outlet Receiving Water: Puddinglake Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	B14NW (N)	5	2	371990 369620
2	**Discharge Consents** Operator: Cheshire West And Chester Council Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE Location: Byley Primary School Moss Lane, Byley, Middlewich, Cheshire, Cw10 9ng Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Npswqd009429 Permit Version: 1 Effective Date: 30th November 2009 Issued Date: 30th November 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Puddinglake Brook **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	B15NW (NE)	528	2	372532 369421
	Nearest Surface Water Feature	B9SE (W)	0	-	371642 368610
3	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Sewage Treatment Works Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Treated Effluent Note: Pudding Lane Brk Incident Date: 28th November 1995 Incident Reference: 95532863 Catchment Area: Dane Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B14NW (N)	91	2	372000 369500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: River Dane Incident Date: 8th August 1992 Incident Reference: 92531446 Catchment Area: Dane Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B1NE (S)	917	2	371500 367500
4	**Pollution Incidents to Controlled Waters** Property Type: No Premises Identified Location: River Dane, Byley Road Bridge, BYLEY, Cheshire Authority: Environment Agency, North West Region Pollutant: Slurry Note: Not Supplied Incident Date: 26th July 1999 Incident Reference: 30631 Catchment Area: Weaver Receiving Water: River Stretch (Freshwater) Cause of Incident: Drainage Failures : Other Drainage Type Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	B1NE (S)	918	2	371505 367500
4	**Pollution Incidents to Controlled Waters** Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Agricultural: Yard Run Off (Dirty Water) Note: River Dane Incident Date: 6th December 1993 Incident Reference: 93532246 Catchment Area: Dane Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B1NE (S)	921	2	371500 367495
4	**Pollution Incidents to Controlled Waters** Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Other Note: Not Supplied Incident Date: 21st December 1995 Incident Reference: 95533037 Catchment Area: Dane Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	B1NE (S)	922	2	371505 367495
5	**Water Abstractions** Operator: Allan & Judith Moore Licence Number: 2568002010 Permit Version: 100 Location: Well At Byley Hill Farm,Byley, Middlewich Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 3 Yearly Rate (m3): 996 Details: Byley Hill Farm,Byley,Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B5SE (SW)	625	2	371500 367800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr I A Newton And Mrs P Newton Licence Number: 2568002115 Permit Version: 100 Location: Well At Higher Farm, Byley, Middlewich, Cheshire Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 11 Yearly Rate (m3): 3120 Details: Higher Farm, Byley, Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B6SE (S)	1031	2	372200 367800
	Water Abstractions Operator: J W Gleave Esq Licence Number: 2568002159 Permit Version: 101 Location: R Dane At Daisy Bank Farm,Sproston, Holmes Chapel Authority: Environment Agency, North West 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: Daisy Bank Farm,Sproston Authorised Start: 01 April Authorised End: 31 August Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B3NW (S)	1444	2	372400 367400
	Water Abstractions Operator: J W Gleave Esq Licence Number: 2568002159 Permit Version: 100 Location: R Dane At Daisy Bank Farm,Sproston, Holmes Chapel Authority: Environment Agency, North West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 180 Yearly Rate (m3): 10200 Details: Daisy Bank Farm,Sproston Authorised Start: 01 April Authorised End: 31 August Permit Start Date: 10th September 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B3NW (S)	1444	2	372400 367400
	Water Abstractions Operator: W Bickerton Licence Number: 2568002030 Permit Version: 100 Location: Well At Pear Tree Farm, Byley, Middlewich Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2 Yearly Rate (m3): 286 Details: Pear Tree Farm, Byley, Middlewich Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1967	2	373800 368600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: W Bickerton Licence Number: 2568002030 Permit Version: Not Supplied Location: Sunnyside Farm, Leese, MIDDLEWICH, Cheshire Authority: Environment Agency, North West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 2 Yearly Rate (m3): 286 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	(E)	1967	2	373800 368600
	Water Abstractions Operator: Mr A W Astbury Licence Number: 2568002093 Permit Version: Not Supplied Location: Well At Sunnyside Farm, Leese, MIDDLEWICH Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 2 Yearly Rate (m3): 830 Details: Licence 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	(E)	1973	2	373805 368595
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	B14SW (N)	0	2	371988 369000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	B14SW (N)	0	2	372000 369218

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(W)	0	2	371000 369000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	B14SW (N)	0	2	371878 369000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(NW)	0	2	371000 370000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(N)	0	2	371878 370000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(N)	0	2	372000 370000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(W)	0	2	371000 368683
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	B10NW (S)	0	2	371878 368683
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	(W)	0	2	371000 368683
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	B10NW (S)	0	2	371878 368683
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(W)	0	2	371000 369000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	B14SW (N)	0	2	371878 369000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	B14SW (N)	0	2	372000 369000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(NW)	0	2	371000 370000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(N)	0	2	371878 370000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Significant Risk - Low Possibility	(N)	0	2	372000 370000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	B10NW (S)	0	3	371878 368683
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(N)	0	3	371878 370000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	B10NW (S)	0	3	371878 368683
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(N)	0	3	371878 370000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B10NW (N)	0	3	371924 368807
	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: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13NW (NW)	0	4	371231 369323
7	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 135.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13SW (NW)	0	4	371361 369290
8	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 185.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13SW (NW)	0	4	371361 369290
9	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13SW (NW)	0	4	371361 369289
10	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13NE (NW)	0	4	371419 369466

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 49.5 Watercourse Level: Underground Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B14NW (N)	0	4	371991 369621
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 518.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B9SE (W)	0	4	371642 368610
13	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 476.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B9SE (W)	0	4	371398 368587
14	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B9NW (W)	0	4	371204 368797
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B9NW (W)	0	4	371199 368797
16	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B9NW (W)	0	4	371204 368807
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 504.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13SW (NW)	0	4	371372 369218
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 211.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13NW (NW)	0	4	371228 369325
19	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 203.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B14NE (N)	5	4	372110 369581

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B9SW (W)	6	4	371286 368451
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 141.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B9SW (W)	9	4	371283 368452
22	**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: Mersey Primacy: 1	B9SW (W)	56	4	371157 368388
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B9SW (W)	121	4	371160 368390
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B14NE (N)	198	4	372177 369568
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 2	B14NE (N)	198	4	372177 369568
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: Underground Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B14NE (N)	199	4	372180 369571
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B14NE (N)	200	4	372182 369573
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: Underground Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B14NE (N)	213	4	372210 369560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: Underground Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 2	B14NE (N)	219	4	372198 369563
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 285.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B14NE (NE)	231	4	372303 369493
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NW (SW)	426	4	371125 368020
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 196.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NW (SW)	431	4	371121 368017
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 69.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NW (NE)	453	4	372450 369427
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NW (NE)	487	4	372496 369442
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.0 Watercourse Level: Underground Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NW (NE)	495	4	372512 369432
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NW (NE)	505	4	372512 369432
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: Underground Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NW (NE)	526	4	372531 369419

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NW (NE)	527	4	372531 369419
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 342.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NW (NE)	553	4	372562 369415
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 436.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ship Brook Catchment Name: Mersey Primacy: 1	B15NW (NE)	553	4	372562 369415
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 47.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NE (NE)	810	4	372894 369458
42	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 9.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B6NE (S)	812	4	372098 368038
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 216.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B6NE (S)	821	4	372105 368031
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 862.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Dane Catchment Name: Mersey Primacy: 1	B1NW (SW)	825	4	371220 367577
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: Underground Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NE (NE)	857	4	372936 369436
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 111.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NE (NE)	860	4	372938 369433

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Underground Permanent: True Watercourse Name: Ship Brook Catchment Name: Mersey Primacy: 1	B15SE (NE)	938	4	372858 369169
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 162.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ship Brook Catchment Name: Mersey Primacy: 1	B15SE (NE)	943	4	372862 369166
49	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NE (NE)	964	4	373047 369421
50	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NE (NE)	976	4	373060 369422
51	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	B15NE (NE)	976	4	373060 369422
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	B15NE (NE)	978	4	373061 369422
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	B15NE (NE)	978	4	373062 369422
54	**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: Mersey Primacy: 1	B6SW (S)	991	4	372003 367651
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B6SE (S)	995	4	372181 367835

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Puddinglake Brook WaterBody ID: GB112068060220 Operational Catchment: Dane Management Catchment: Weaver Gowy Catchment Name: Weaver Gowy	B10NW (S)	0	2	371878 368683
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Dane (Cow Brook to Wheelock) WaterBody ID: GB112068060190 Operational Catchment: Dane Management Catchment: Weaver Gowy Catchment Name: Weaver Gowy	B6NW (S)	34	2	371750 368280
	Water Framework Directive - Groundwater Waterbody Name: Weaver and Dane Quaternary Sand and Gravel Aquifers Waterbody ID: GB41202G991700 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41202G991700 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Good Year: 2019	B10NW (S)	0	2	371878 368683

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	**Licensed Waste Management Facilities (Locations)** Licence Number: 50042 Location: Firmin Coates Ind Est, Middlewich Road, Byley, Middlewich, Cheshire, CW10 9NX Operator Name: CELESTICA LIMITED. Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Material Recycling Treatment Facilities **Licence Status: Surrendered** Issued: 4th February 2000 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	B10SE (SE)	643	2	372300 368500
	Local Authority Landfill Coverage Name: Vale Royal Borough Council - Has supplied landfill data		0	5	371878 368683
	Local Authority Landfill Coverage Name: Cheshire County Council - Has supplied landfill data		0	6	371878 368683
	Local Authority Landfill Coverage Name: Congleton District Council - Has supplied landfill data		525	7	372513 368787
57	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1988	B10NW (NW)	13	-	371808 368762
58	**Registered Waste Treatment or Disposal Sites** Licence Holder: Celestica Ltd Licence Reference: EAWML50042 Site Location: land at Firmin Coates Industrial Estate, Middlewich road, Byley, MIDDLEWICH, Cheshire, CW10 9NX Operator Location: Westfields House, West Avenue, Kidsgrove, STOKE ON TRENT, Staffordshire, ST7 1TL Authority: Environment Agency - North West Region, South Area Site Category: 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 February 2000 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: Batteries Inert Materials (As In Post'98 E.A.Lics And Equivalent To 21.00.00) Maximum Storage In Licence Maximum Waste Permitted By Licence Metal Waste/Scrap Metal (As In Post'98 E.A.Lics And Equivalent To 23.00.00) Prohibited Waste: Degradable Household/Commercial/Industrial Waste (As In Post'98 E.A.Lics And Equivalent To 22.09.00) Liquid Wastes Mat'L With Haz.Code (H1, H2, H3a,H3b,H4,H5,H6,H7,H8,H9,H10,H11,H12,H13,H14) Except Other Waste/Waste Not Otherwise Specified Powders Sludge Wastes Special Waste (As In Epa 1990:S62 Of 1996 Regs) Not Otherwise Specified	B10SW (SE)	373	2	372040 368595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	**Control of Major Accident Hazards Sites (COMAH)** Name: H W Coates Limited Location: Byley Lane, Middlewich Industrial Estate, Middlewich, Cheshire, CW10 9NT Reference: Not Supplied Type: Upper Tier **Status: Active** Positional Accuracy: Automatically positioned to the address	B10SW (SE)	360	8	372034 368607
60	**Notification of Installations Handling Hazardous Substances (NIHHS)** Name: Firmin Coates & Sons Limited Location: Lily Lane, Middlewich Road, BYLEY, Cheshire, CW10 9NX **Status: Not Active** Positional Accuracy: Automatically positioned to postcode unit of the address	B10SW (SE)	378	8	372056 368609
61	**Planning Hazardous Substance Consents** Name: Ineos Enterprise Ltd Location: Stublach Gas Storage Project, Drakelow Lane, Byley, Middlewich, Cheshire, CW10 9NN Authority: Cheshire West and Chester Council, Planning Department Application Ref: 05-2108-FZ5 Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 700050 Application date: 22nd December 2005 **Decision: Unknown at time of reportUnknown** Positional Accuracy: Manually positioned to the road within the address or location	B13NE (N)	0	9	371716 369563
61	**Planning Hazardous Substance Consents** Name: Scottish Power Uk Location: Land At Drakelow Lane, Cranage Airfield, Byley, CW10 9NN Authority: Cheshire West and Chester Council, Planning Department Application Ref: APP/2001/0415 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 237606 Application date: 4th April 2002 **Decision: New application refusedRefused** Positional Accuracy: Manually positioned to the road within the address or location	B13NE (N)	0	9	371718 369564
62	**Planning Hazardous Substance Consents** Name: Scottish Power Plc Location: Land At Drakelow Lane, Cranage Airfield, Byley, CW10 Authority: Cheshire West and Chester Council, Planning Department Application Ref: APP/2002/0424 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 237765 Application date: 5th April 2002 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the road within the address or location	B14NW (N)	0	9	371743 369546
62	**Planning Hazardous Substance Consents** Name: Scottish Power Plc Location: Land At Drakelow Lane, Cranage Airfield, Byley, CW10 Authority: Cheshire West and Chester Council, Planning Department Application Ref: APP/2001/0454 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 237606 Application date: 3rd April 2002 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the road within the address or location	B14NW (N)	0	9	371734 369561
63	**Planning Hazardous Substance Consents** Name: Firmin Coates Location: Middlewich Road, Byley, Middlewich, Cw10 Authority: Cheshire West and Chester Council, Planning Department Application Ref: Not Given Hazardous Substance: Ammonium nitrate based fertilisers which conform to the Fertilisers Regulations 1991(a) and composite fertilisers containing phosphate and/or potash (where nitrogen content is more than 28% by weight) Maximum Quantity: 0 Application date: Not Supplied **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the road within the address or location	B10NE (NE)	225	9	372058 368952

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**Planning Hazardous Substance Consents** Name: Hw Coates Ltd Location: Byley Road, Byley, Northwich, Cw10 9nt Authority: Cheshire West and Chester Council, Planning Department Application Ref: 12/01153/HAZ Hazardous Substance: Unknown at time of report Maximum Quantity: 0 Application date: 9th March 2012 **Decision:** **Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	B10SW (SE)	345	9	372020 368614
64	**Planning Hazardous Substance Consents** Name: Firmin Coates Location: Firmin Coates Industrial Estate, Middlewich Road, Byley, Cw10 9nt Authority: Cheshire West and Chester Council, Planning Department Application Ref: 06-0181-HAZ Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 191 Application date: 1st February 2006 **Decision:** **Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	B10SW (SE)	345	9	372020 368614
64	**Planning Hazardous Substance Consents** Name: Firmin Coates & Sons Ltd Location: Middlewich Road, Byley, Middlewich, Cw10 9nt Authority: Cheshire West and Chester Council, Planning Department Application Ref: App/2004/1779 Hazardous Substance: Unknown at time of report Maximum Quantity: 698 Application date: 30th September 2004 **Decision:** **Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	B10SW (SE)	360	9	372033 368607
64	**Planning Hazardous Substance Consents** Name: Firmin Coates & Sons Ltd Location: Middlewich Road, Byley, Middlewich, Cheshire, Cw10 9nt Authority: Cheshire West and Chester Council, Planning Department Application Ref: Hs7 Hazardous Substance: Combination of Dangerous Substances Maximum Quantity: 635 Application date: 19th October 1999 **Decision:** **Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	B10SW (SE)	360	9	372033 368607
64	**Planning Hazardous Substance Consents** Name: Firmin Coates & Sons Ltd Location: Middlewich Road, Byley, Middlewich, Cheshire, Cw10 9nt Authority: Cheshire West and Chester Council, Planning Department Application Ref: Hs3 Hazardous Substance: Ammonium nitrate based fertilisers which conform to the Fertilisers Regulations 1991(a) and composite fertilisers containing phosphate and/or potash (where nitrogen content is more than 28% by weight) Maximum Quantity: 3000 Application date: 29th October 1992 **Decision:** **Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the road within the address or location	B10SE (SE)	387	9	372061 368599
65	**Planning Hazardous Substance Consents** Name: Hw Coates Ltd Location: Byley Lane, Byley, Northwich, Cheshire, Cw10 9nt Authority: Cheshire West and Chester Council, Planning Department Application Ref: 15/01028/HAZ Hazardous Substance: Oxidising Maximum Quantity: 75 Application date: 10th March 2015 **Decision:** **Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	B10NE (E)	604	9	372315 368620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	B10NW (S)	0	1	371878 368683
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10NW (S)	0	1	371878 368683
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B10NW (N)	0	1	371924 368807
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B15NW (NE)	168	1	372476 369544
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B6NW (S)	399	1	371878 368000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B6NW (S)	549	1	371784 368000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B6NW (S)	556	1	371778 368003

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B5SW (SW)	600	1	371373 367774
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B15SE (E)	796	1	373000 369000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	B15SE (NE)	827	1	372855 369276
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	CBSCB Compensation District Description: In an area which may be affected by historic brine pumping (the Compensation District). The Law Society recommend that all property transactions should obtain a CON29M search. The CBSCB website: http://www.cheshirebrine.com/ has information regarding how to obtain a search and other information regarding the continuing functions of the Board. Contact details are included in the Useful Contacts section. Source: Cheshire Brine Subsidence Compensation Board (CBSCB)	B10NW (S)	0	10	371878 368683
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	B13SE (NW)	0	1	371387 369212
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	B14NE (N)	0	1	372079 369446
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	371878 368683
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	371878 368683
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	371878 368683
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	371878 368683

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	B10NW (S)	0	1	371878 368683
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B10NW (S)	0	1	371878 368683
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B10NW (N)	0	1	371924 368807
	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	B10NW (S)	0	1	371878 368683
	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	B10NW (S)	0	1	371878 368683

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	**Contemporary Trade Directory Entries** Name: Two Wheel Tyres Ltd Location: The Old Shippon, Lily Lane, Byley, Middlewich, Cheshire, CW10 9NH Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B10NW (NW)	92	-	371778 368734
67	**Contemporary Trade Directory Entries** Name: Browns Autocare Location: Unit 1 Lily Lane, Byley, Middlewich, Cheshire, CW10 9NH Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	B10NW (NW)	148	-	371853 368721
68	**Contemporary Trade Directory Entries** Name: Williams Design & Print Ltd Location: ROSE COTTAGE, BYLEY ROAD, BYLEY, NORTHWICH, CW10 9NF Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	B14NE (N)	194	-	372157 369510
69	**Contemporary Trade Directory Entries** Name: Coates Location: Middlewich Road, Byley, Middlewich, Cheshire, CW10 9NT Classification: Chemicals - Distributors & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	B10SW (SE)	345	-	372020 368614
69	**Contemporary Trade Directory Entries** Name: H W Coates Ltd Location: Middlewich Road, Byley, Middlewich, Cheshire, CW10 9NT Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B10SW (SE)	360	-	372034 368607
69	**Contemporary Trade Directory Entries** Name: Cheshire Salvage Location: Middlewich Rd, Byley, Middlewich, Cheshire, CW10 9NT Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	B10SW (E)	373	-	372052 368612
70	**Contemporary Trade Directory Entries** Name: Amtech Developments Location: UNIT 9, MIDDLEWICH ROAD, BYLEY, MIDDLEWICH, CW10 9NX Classification: Packaging & Wrapping Equipment & Supplies **Status: Active** Positional Accuracy: Automatically positioned to the address	B10SW (SE)	422	-	371993 368478
71	**Contemporary Trade Directory Entries** Name: G M A Garnet Europe G M B H Location: Unit 3 Middlewich Road Industrial Estate, Byley, Middlewich, Cheshire, CW10 9NT Classification: Abrasive Products - Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	B10SE (SE)	438	-	372076 368535
71	**Contemporary Trade Directory Entries** Name: H W Coates Location: Middlewich Road, Byley, Middlewich, CW10 9NT Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	B10SE (SE)	453	-	372083 368520
72	**Contemporary Trade Directory Entries** Name: B S Morgan Location: Unit 2, Byley Warehouse, Moss Lane, Byley, Middlewich, Cheshire, CW10 9NG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B15NW (NE)	492	-	372488 369428
72	**Contemporary Trade Directory Entries** Name: Cheshire Commercial Components Location: Unit 4, Byley Warehouse, Moss Lane, Byley, Middlewich, Cheshire, CW10 9NG Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	B15NW (NE)	501	-	372498 369426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**Contemporary Trade Directory Entries** Name: Weissach Uk Location: UNIT 3B, BYLEY WAREHOUSE, MOSS LANE, BYLEY, NORTHWICH, CW10 9NG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	B15NW (NE)	504	-	372502 369425
72	**Contemporary Trade Directory Entries** Name: Irlam International Ltd Location: Unit 2a, Byley Warehouse, Moss Lane, Byley, Middlewich, CW10 9NG Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B15NW (NE)	518	-	372514 369417
73	**Contemporary Trade Directory Entries** Name: Cheshire Wrought Iron Location: Unit 3, Byley Warehouse, Moss Lane, Byley, Middlewich, Cheshire, CW10 9NG Classification: Wrought Ironwork **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	B15NW (NE)	507	-	372404 369311
73	**Contemporary Trade Directory Entries** Name: B Cooke Location: Moss Lane, Byley, Middlewich, Cheshire, CW10 9NG Classification: Spraying - Paint & Coatings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B15SW (NE)	512	-	372398 369285
74	**Contemporary Trade Directory Entries** Name: Church Farm Surfacing Location: Unit 6, Byley Warehouse, Moss Lane, Byley, Middlewich, Cheshire, CW10 9NG Classification: Asphalt & Coated Macadam Laying Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B15NW (NE)	548	-	372464 369332
74	**Contemporary Trade Directory Entries** Name: Mid-Cheshire Motor Location: Unit 3,Byley Warehouse,Moss La, Byley, Middlewich, Cheshire, CW10 9NG Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	B15NW (NE)	561	-	372457 369295
75	**Contemporary Trade Directory Entries** Name: Celestica Ltd Location: Middlewich Road, Byley, Middlewich, Cheshire, CW10 9NX Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	B10SE (SE)	554	-	372193 368497
75	**Contemporary Trade Directory Entries** Name: Nortel Networks Location: Unit 12A, Middlewich Road, Byley, Middlewich, Cheshire, CW10 9NX Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B10SE (SE)	592	-	372234 368489
76	**Contemporary Trade Directory Entries** Name: Able Packaging Group Ltd Location: Unit 11B, Middlewich Road, Byley, Middlewich, Cheshire, CW10 9NX Classification: Packaging & Wrapping Equipment & Supplies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B10SE (SE)	608	-	372243 368474
77	**Contemporary Trade Directory Entries** Name: Swan Petroleum Location: Unit 15, Middlewich Road, Byley, Middlewich, Cheshire, CW10 9NX Classification: Oil Fuel Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	B10SE (E)	632	-	372310 368542
78	**Contemporary Trade Directory Entries** Name: Nectar Organic Feeds Ltd Location: Moss La, Byley, Middlewich, Cheshire, CW10 9NG Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	B15SW (NE)	722	-	372624 369188

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	**Contemporary Trade Directory Entries** Name: C R Griffiths & Sons Location: Byley Lane, Byley, Middlewich, Cheshire, CW10 9LN Classification: Farriers **Status: Active** Positional Accuracy: Manually positioned to the address or location	B1NE (S)	947	-	371692 367524
80	**Points of Interest - Commercial Services** Name: Trailer Repair Centre Location: The Gables, Byley Lane, Byley, Middlewich, CW10 9NL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	B14SW (N)	58	11	371946 369238
81	**Points of Interest - Commercial Services** Name: Browns Autocare Location: Browns Auto Care, Lily Lane, Byley, Northwich, CW10 9NH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	B10NW (NW)	95	11	371781 368732
82	**Points of Interest - Commercial Services** Name: H W Coates Location: Byley Road, Byley, Northwich, CW10 9NT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	B10SW (SE)	343	11	372020 368617
82	**Points of Interest - Commercial Services** Name: Firmin Coates Ltd Location: Middlewich Road, Byley, Middlewich, CW10 9NT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	B10SW (SE)	360	11	372034 368607
83	**Points of Interest - Commercial Services** Name: Mid-cheshire Motor Location: Unit 3 Byley Warehouse, Moss Lane, Byley, Middlewich, CW10 9NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	B15NW (NE)	492	11	372488 369428
83	**Points of Interest - Commercial Services** Name: B S Morgan Location: Unit 2 Byley Warehouse, Moss Lane, Byley, Middlewich, CW10 9NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	B15NW (NE)	492	11	372488 369428
83	**Points of Interest - Commercial Services** Name: B S Morgan Location: Unit 2 Byley Warehouse, Moss Lane, Byley, Middlewich, CW10 9NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	B15NW (NE)	492	11	372488 369428
83	**Points of Interest - Commercial Services** Name: Weissach UK Location: Unit 3b Byley Warehouse, Moss Lane, Byley, Northwich, CW10 9NG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	B15NW (NE)	504	11	372502 369425
83	**Points of Interest - Commercial Services** Name: Irlam International Ltd Location: Unit 2a Byley Warehouse, Moss Lane, Byley, Middlewich, CW10 9NG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	B15NW (NE)	518	11	372514 369417
84	**Points of Interest - Commercial Services** Name: C R Griffiths & Sons Location: Byley Lane, Byley, Middlewich, CW10 9LN Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	B1NE (S)	947	11	371692 367524
85	**Points of Interest - Manufacturing and Production** Name: Tank Location: CW10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B9NE (W)	39	11	371523 368659

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	**Points of Interest - Manufacturing and Production** Name: Works (Disused) Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	B14NE (N)	69	11	372063 369629
86	**Points of Interest - Manufacturing and Production** Name: Works Location: CW10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	B14NE (N)	69	11	372063 369629
87	**Points of Interest - Manufacturing and Production** Name: Tank Location: CW10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B14NW (N)	78	11	371987 369511
88	**Points of Interest - Manufacturing and Production** Name: Middlewich Road Industrial Estate Location: CW10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	B10SW (S)	380	11	371933 368483
89	**Points of Interest - Manufacturing and Production** Name: Industrial Estate Location: CW10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	B10SE (SE)	421	11	372094 368587
89	**Points of Interest - Manufacturing and Production** Name: Tank Location: CW10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	B10SE (E)	433	11	372119 368605
89	**Points of Interest - Manufacturing and Production** Name: Tanks Location: CW10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B10SE (E)	434	11	372123 368611
90	**Points of Interest - Manufacturing and Production** Name: Tank Location: CW10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B5SE (SW)	525	11	371447 367889
91	**Points of Interest - Manufacturing and Production** Name: Tank Location: CW10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	B10SE (E)	647	11	372331 368552
91	**Points of Interest - Manufacturing and Production** Name: Tanks Location: CW10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B10SE (E)	647	11	372331 368552
91	**Points of Interest - Manufacturing and Production** Name: Tanks Location: CW10 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	B10SE (E)	650	11	372344 368573
92	**Points of Interest - Public Infrastructure** Name: Slurry Bed Location: CW10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	B14NW (N)	0	11	371928 369614

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	**Points of Interest - Public Infrastructure** Name: Slurry Bed Location: CW10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	B5SE (SW)	605	11	371448 367807

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	**Nitrate Vulnerable Zones** Name: River Weaver (Dane To Frodsham) Nvz Description: Surface Water Source: Environment Agency, Head Office	B10NW (S)	0	2	371878 368683
95	**World Heritage Sites** Name: Jodrell Bank Observatory Reference: 1466112 Area(m²): 185936210.48 Source: Historic England Designation Date: 30th July 2019	B10NW (S)	0	13	371878 368683

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	May 2009	
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Community Services Directorate	November 2008	Not Applicable
Environment Agency - Head Office	November 2023	Annually
Cheshire East Council - Environmental Health Department	October 2017	Annually
Cheshire West and Chester Council - Environmental Health Department	October 2017	Annually
Discharge Consents		
Environment Agency - North West Region	April 2025	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	April 2025	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	January 2009	Not Applicable
Cheshire West and Chester Council - Environmental Health Department	July 2015	Variable
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	June 2009	Not Applicable
Cheshire East Council - Environmental Health Department	September 2023	Variable
Local Authority Pollution Prevention and Controls		
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	January 2009	Not Applicable
Cheshire West and Chester Council - Environmental Health Department	July 2015	Annually
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	June 2009	Not Applicable
Cheshire East Council - Environmental Health Department	September 2023	Annually
Local Authority Pollution Prevention and Control Enforcements		
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	January 2009	Not Applicable
Cheshire West and Chester Council - Environmental Health Department	July 2015	Variable
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	June 2009	Not Applicable
Cheshire East Council - Environmental Health Department	September 2023	Variable
Nearest Surface Water Feature		
Ordnance Survey	April 2025	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Historical Prosecutions		
Environment Agency, North West Region	March 2013	Not Applicable
Registered Radioactive Substances		
Environment Agency - Head Office	May 2023	
Environment Agency - North West Region	May 2023	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - South Area	April 2025	Quarterly
Water Abstractions		
Environment Agency - North West Region	April 2025	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified

Data Currency

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	June 2025	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	April 2025	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2025	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2025	Annually

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 2025	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	May 2025	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	April 2025	Quarterly
Local Authority Landfill Coverage		
Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department	February 2003	Not Applicable
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	February 2003	Not Applicable
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department	October 2018	
Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department	October 2018	
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	June 2025	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	August 2009	Not Applicable
Cheshire West and Chester Council - Planning Department	August 2023	Variable
Cheshire East Council - Planning Department	February 2016	Variable
Cheshire County Council (now part of Cheshire East Council) - Planning Department	July 2008	Annual Rolling Update
Congleton Borough Council (now part of Cheshire East Council)	July 2009	Not Applicable
Planning Hazardous Substance Consents		
Cheshire West and Chester Council - Planning Department	April 2016	Variable
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	August 2009	Not Applicable
Cheshire East Council - Planning Department	February 2016	Variable
Cheshire County Council (now part of Cheshire East Council) - Planning Department	July 2008	Annual Rolling Update
Congleton Borough Council (now part of Cheshire East Council)	July 2009	Not Applicable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	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	February 2023	
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	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	June 2025	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	May 2025	Quarterly
Points of Interest - Commercial Services PointX	June 2025	Quarterly
Points of Interest - Education and Health PointX	June 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2025	Quarterly
Points of Interest - Public Infrastructure PointX	June 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	March 2025	Bi-Annually
Areas of Adopted Green Belt		
Cheshire East Council - Planning Department	July 2025	Quarterly
Cheshire West and Chester Council - Planning Department	July 2025	Quarterly
Congleton Borough Council (now part of Cheshire East Council)	July 2025	Quarterly
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	July 2025	Quarterly
Areas of Unadopted Green Belt		
Cheshire East Council - Planning Department	July 2025	Quarterly
Cheshire West and Chester Council - Planning Department	July 2025	Quarterly
Congleton Borough Council (now part of Cheshire East Council)	July 2025	Quarterly
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	July 2025	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	May 2025	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2023	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	March 2025	Bi-Annually
Marine Nature Reserves		
Natural England	February 2025	Bi-Annually
National Nature Reserves		
Natural England	January 2025	Bi-Annually
National Parks		
Natural England	September 2024	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	November 2024	Annually
Ramsar Sites		
Natural England	February 2025	Bi-Annually
Sites of Special Scientific Interest		
Natural England	May 2025	Bi-Annually
Special Areas of Conservation		
Natural England	January 2025	Bi-Annually
Special Protection Areas		
Natural England	May 2025	Bi-Annually
World Heritage Sites		
Historic England	April 2025	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	

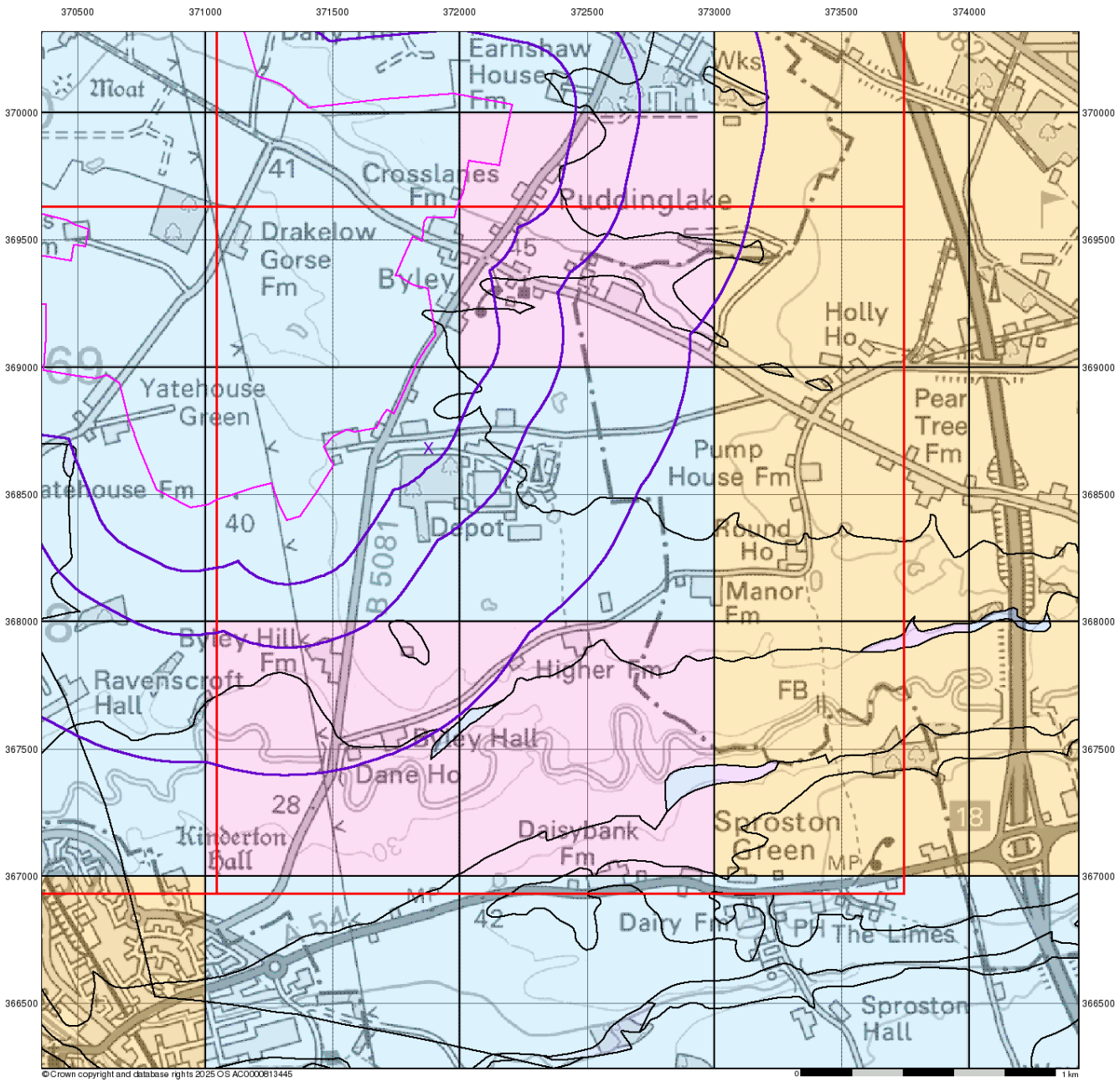
Useful Contacts

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.co.uk
5	**Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department** 58 Nicholas Street, Chester, Cheshire, CH1 2NP	Telephone: 0300 123 8123 Email: enquiries@cheshirewestandchester.gov.uk Website: www.cheshirewestandchester.gov.uk
6	**Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department** Westfields, Middlewich Road, Sandbach, Cheshire, CW11 1HZ	Telephone: 0300 123 5015 Website: www.cheshireeast.gov.uk
7	**Congleton Borough Council (now part of Cheshire East Council) - Environmental Health Department** Westfields, Middlewich Road, Sandbach, Cheshire, CW11 1HZ	Telephone: 0300 123 5500 Website: www.cheshireeast.gov.uk
8	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
9	**Cheshire West and Chester Council - Planning Department** County Hall, Cheshire, CH1 1SF	Telephone: 0300 1238 123 Email: enquiries@cheshirewestandchester.gov.uk Website: www.cheshirewestandchester.gov.uk
10	**Cheshire Brine Subsidence Compensation Board (CBSCB)** Sir Henry Doulton House, Forge Lane, Etruria, Stoke on Trent, Staffordshire, ST1 5BD	Telephone: 0845 002 0562 Fax: 0845 111 8888 Email: info@cheshirebrine.com Website: www.cheshirebrine.com
11	**PointX** 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
12	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
13	**Historic England** 1 Waterhouse Square, 138 - 142 Holborn, London, EC1N 2ST	Telephone: 0370 333 0607 Email: customers@historicengland.org.uk Website: www.historicengland.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

Useful Contacts

Contact	Name and Address	Contact Details
-	**Landmark Information Group Limited** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.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

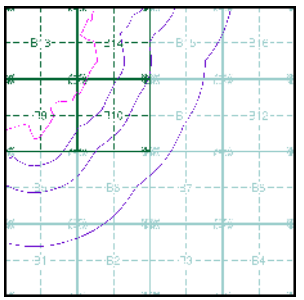
Agency and Hydrological

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 B



Order Details

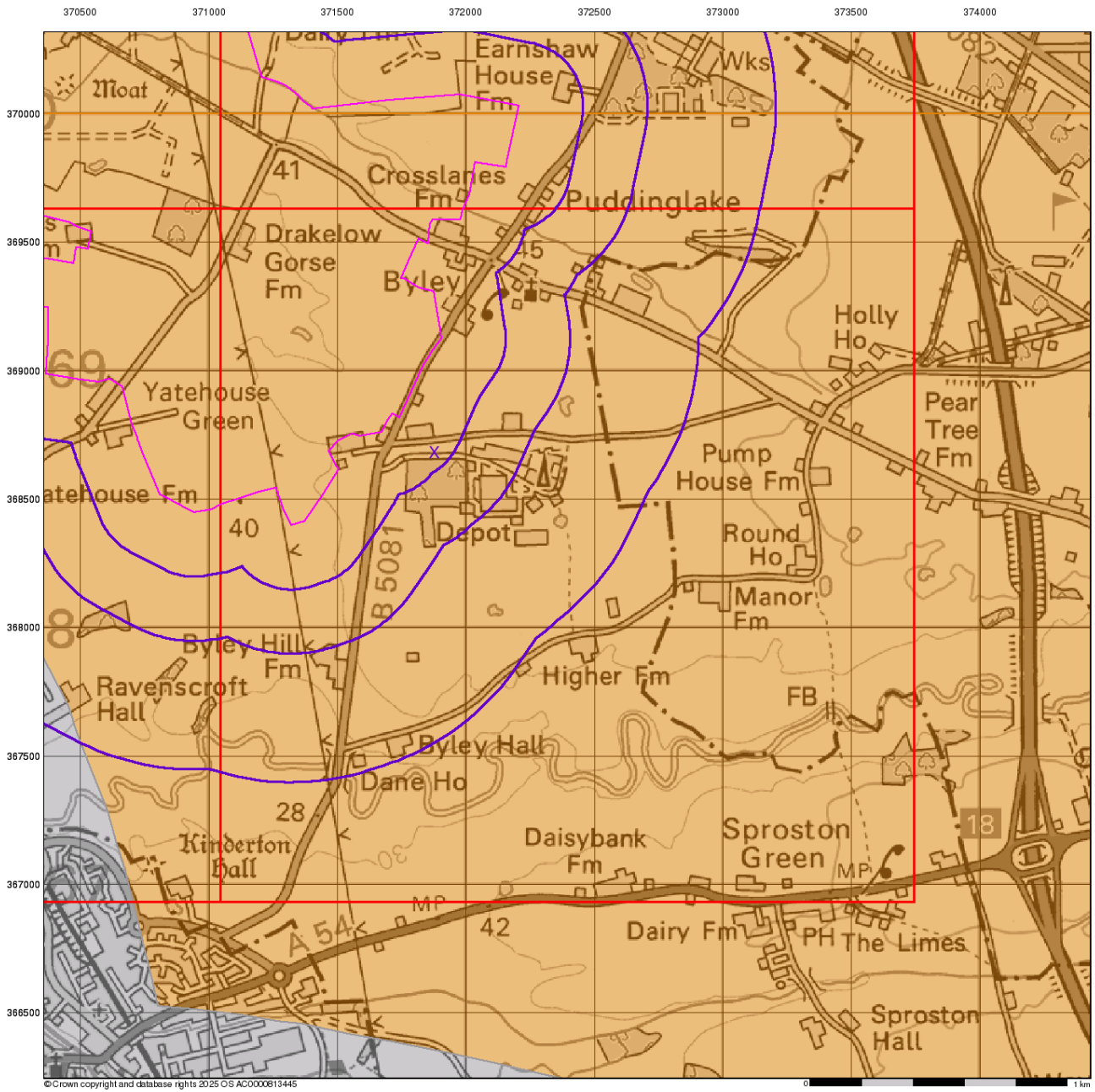
Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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



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Bedrock Aquifer Designation

General

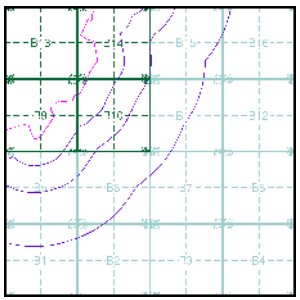
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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 B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

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Landmark INFORMATION GROUP

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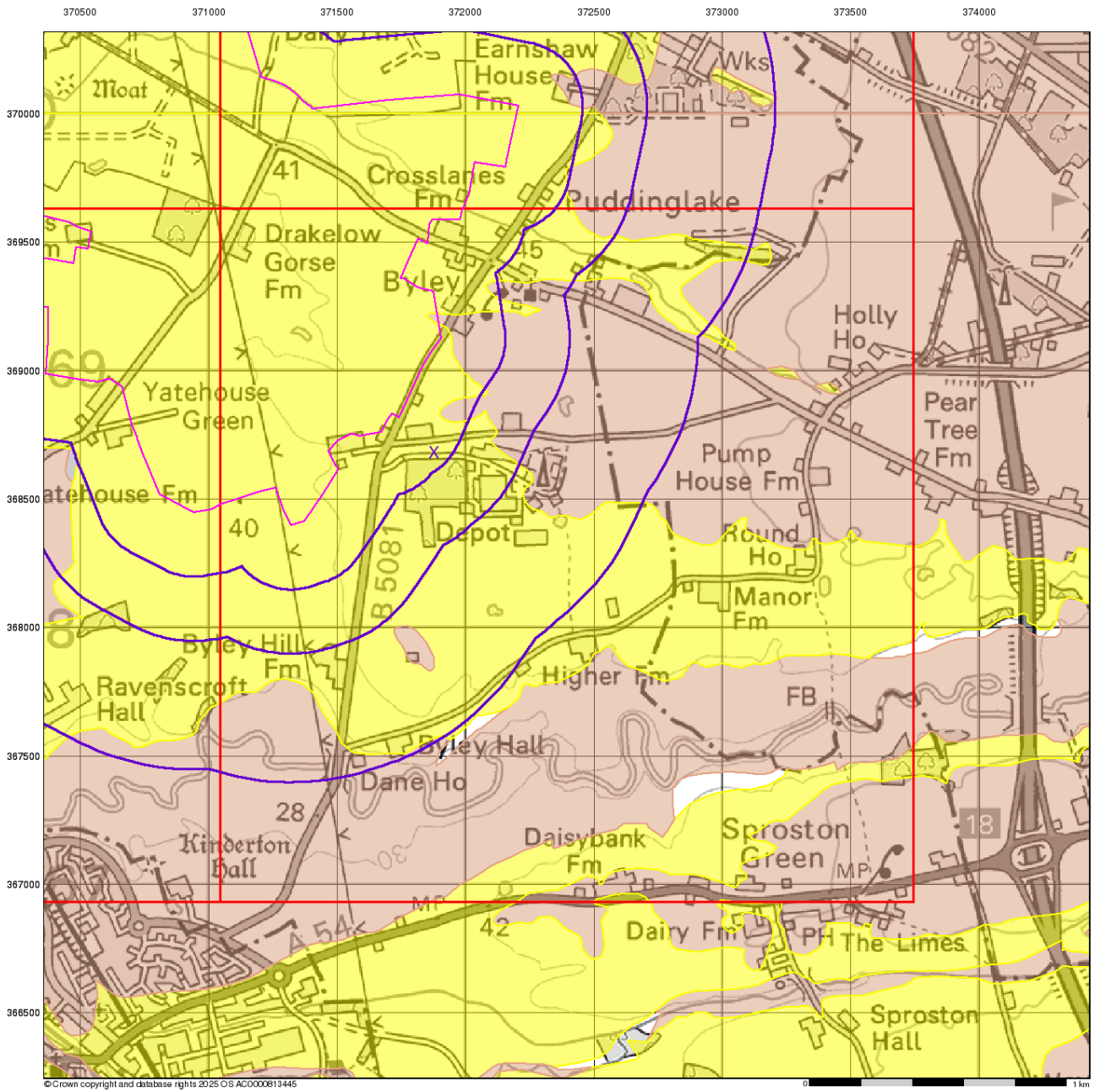

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Superficial Aquifer Designation

General

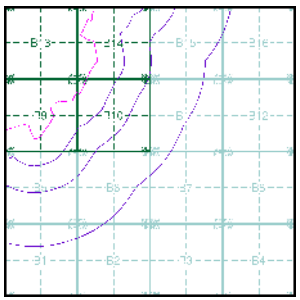
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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 B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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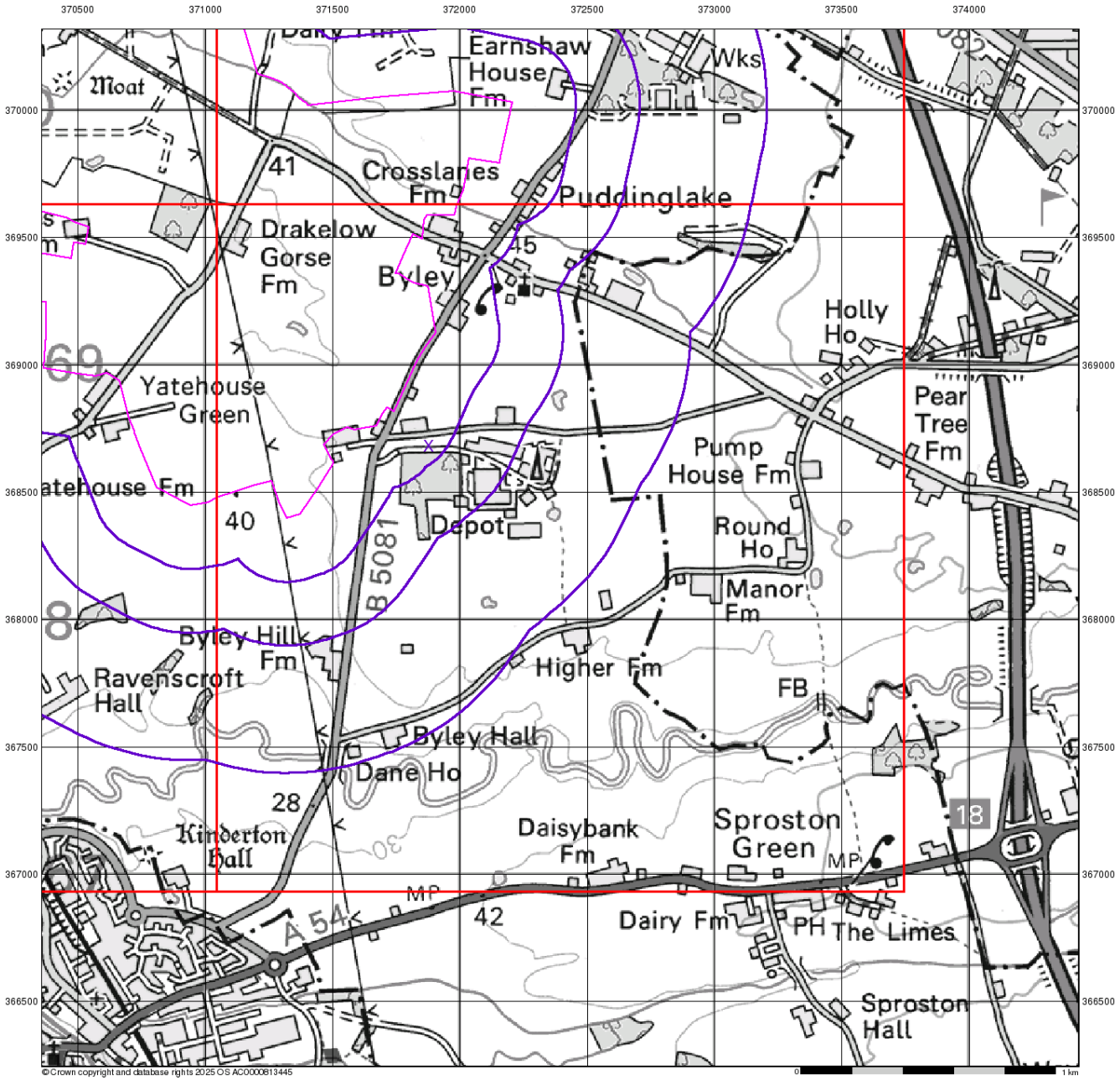

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Source Protection Zones

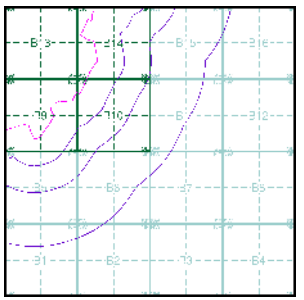
General

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 B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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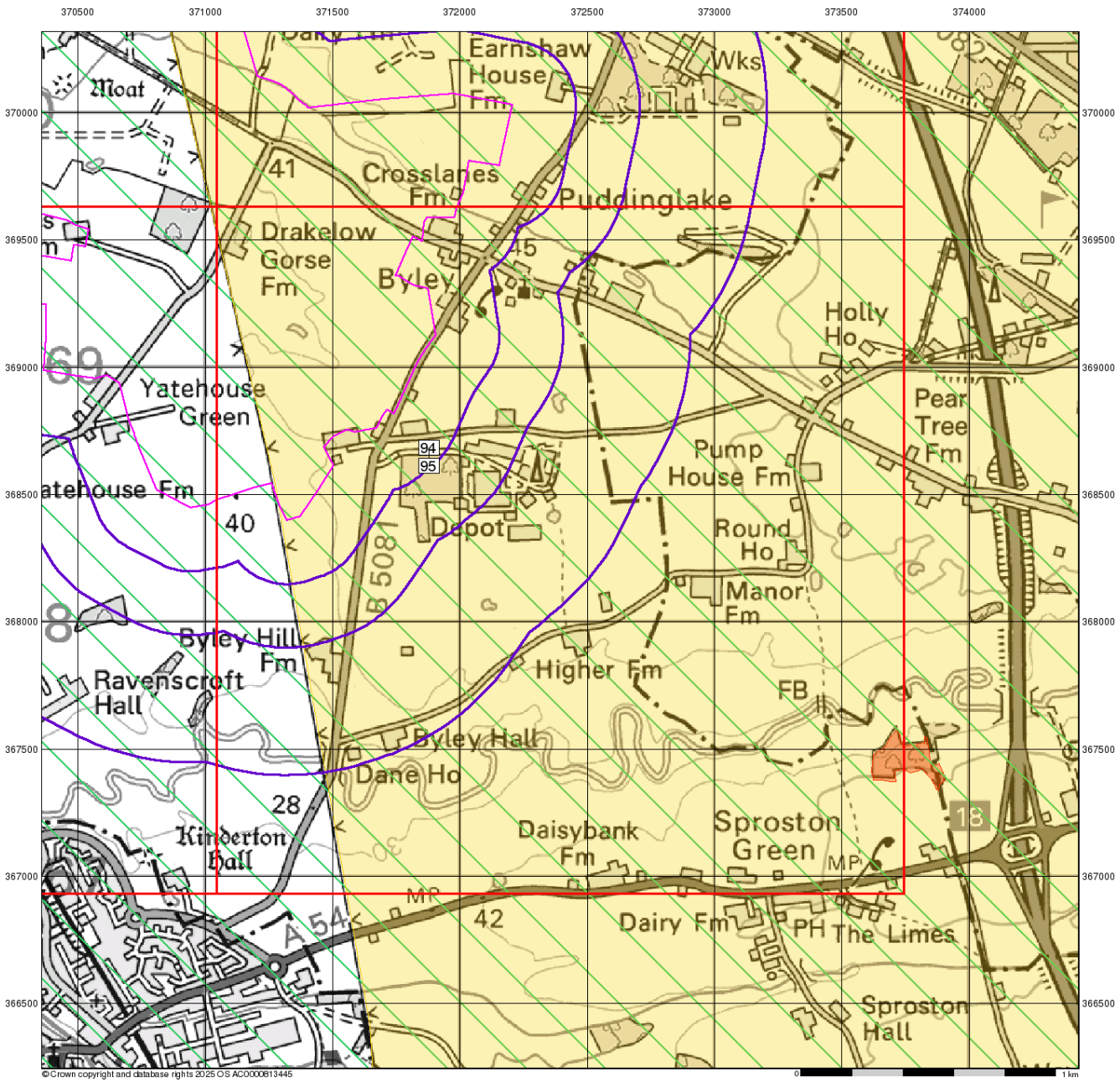

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Sensitive Land Uses

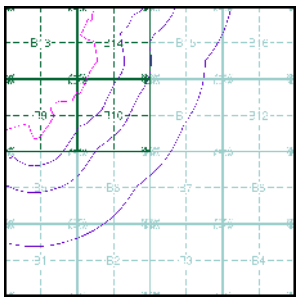
General

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 B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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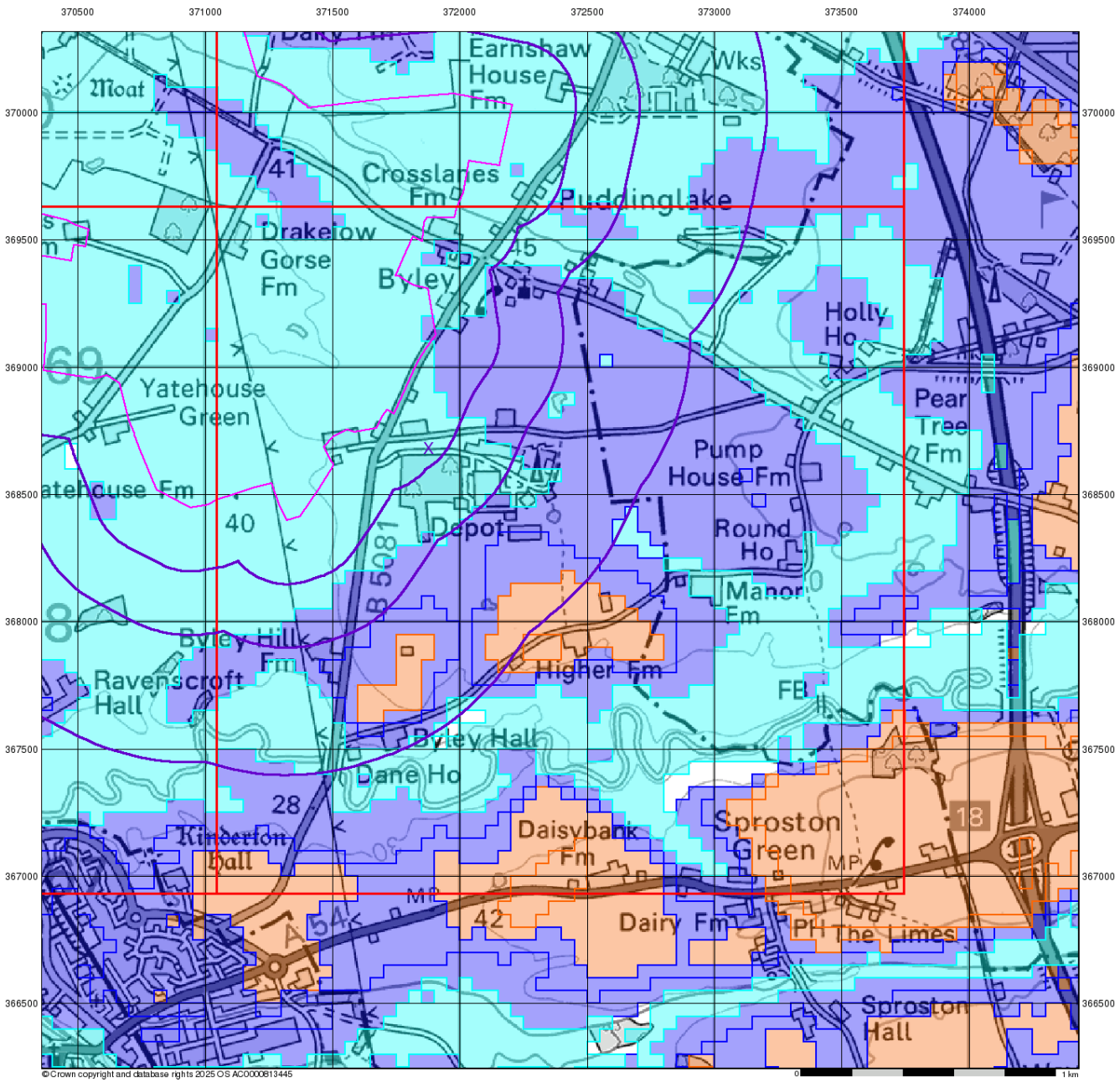

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BGS Flood GFS Data

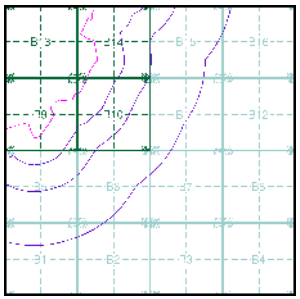
General

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 B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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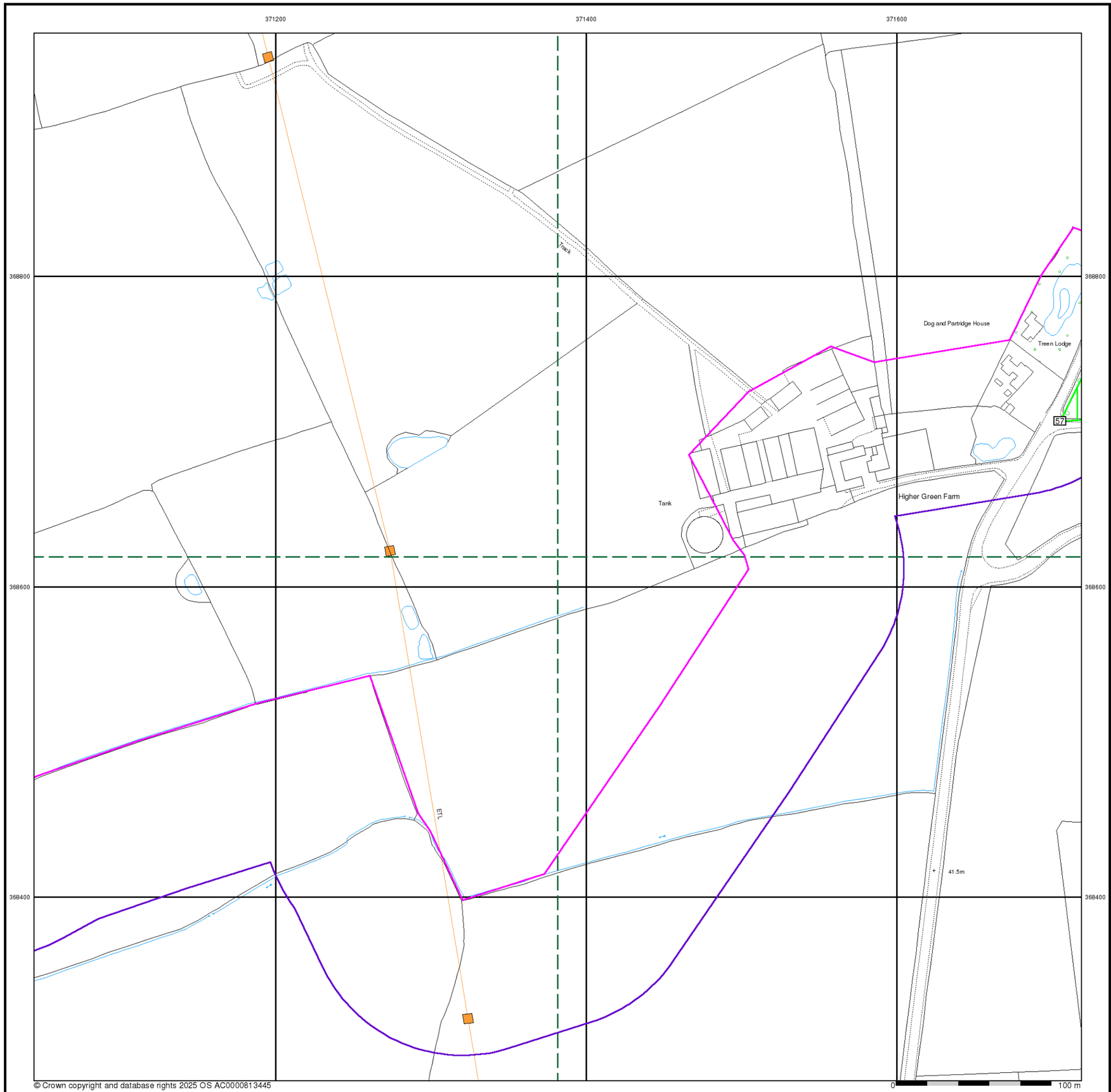
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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LANDMARK INFORMATION GROUP

General

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

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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- 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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

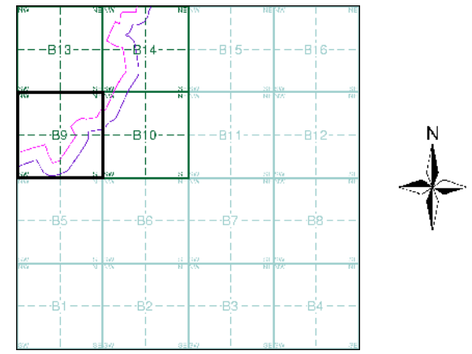
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment B9



Order Details

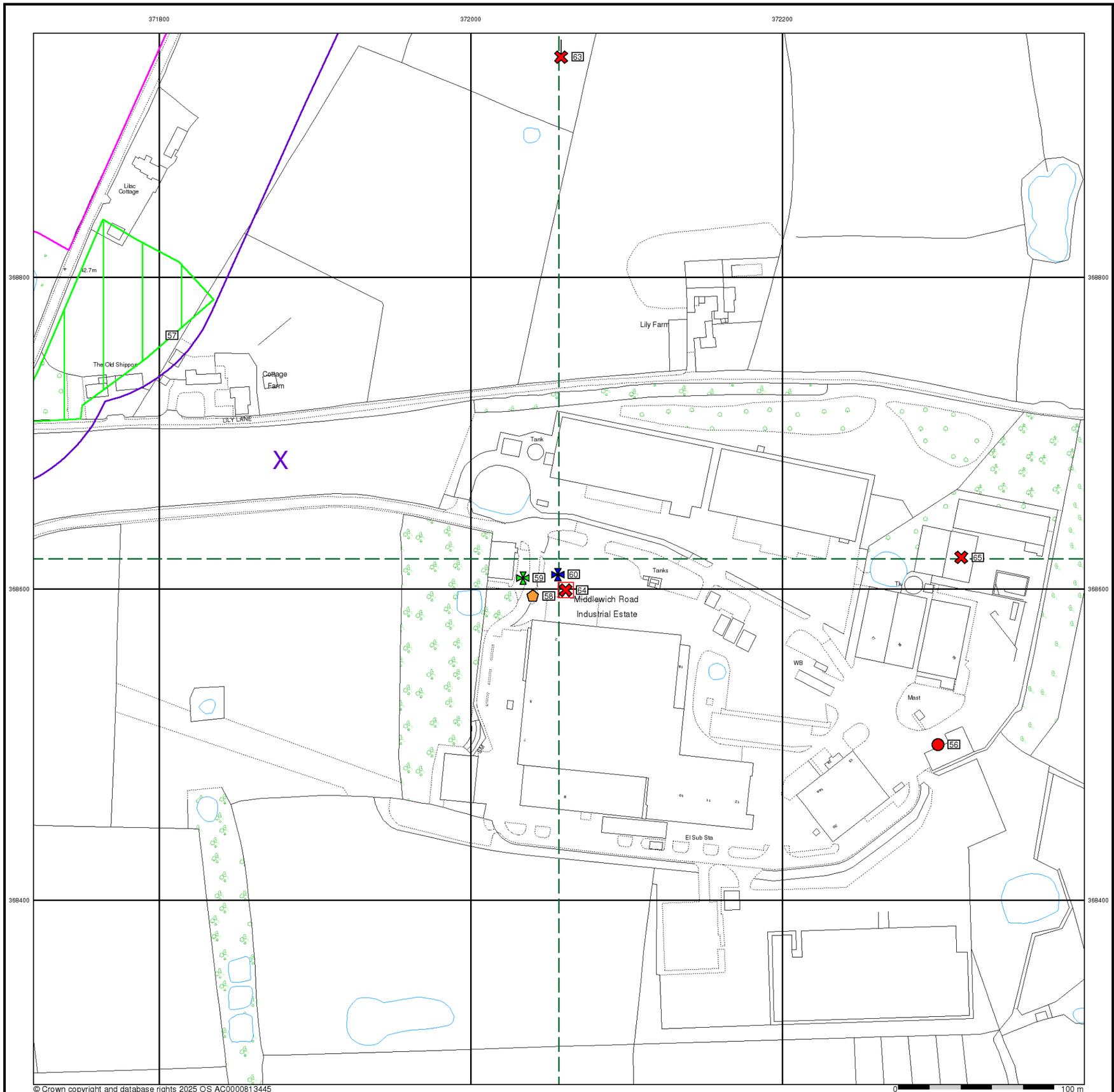
Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Plot Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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



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LANDMARK INFORMATION GROUP®

General

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

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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- 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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

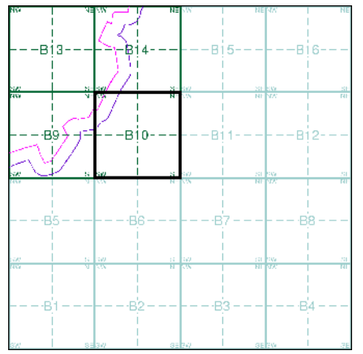
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment B10



Order Details

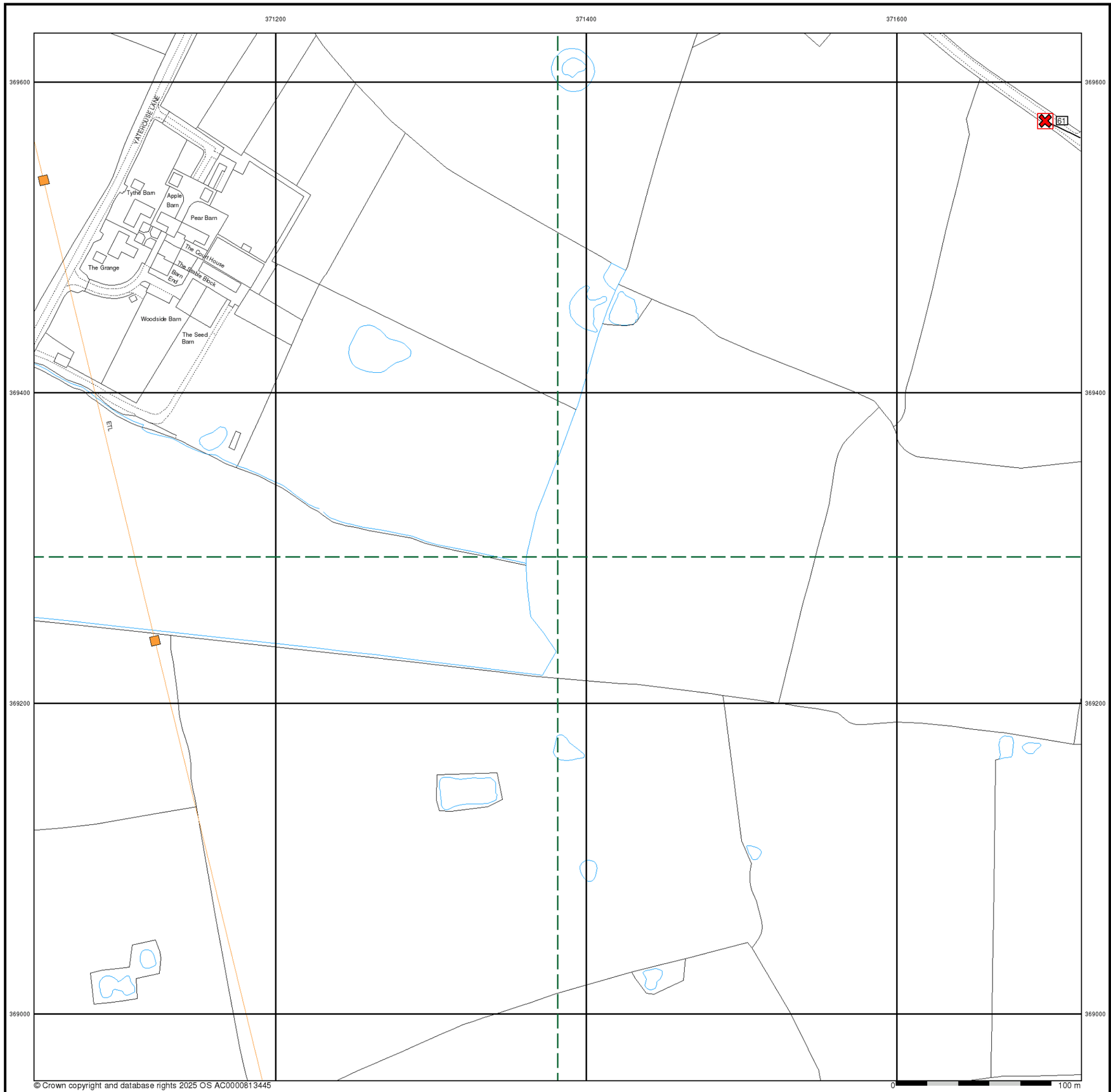
Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Plot Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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



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LANDMARK INFORMATION GROUP®

General

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

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
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- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

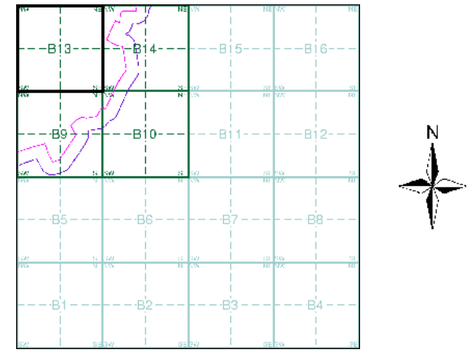
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment B13



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Plot Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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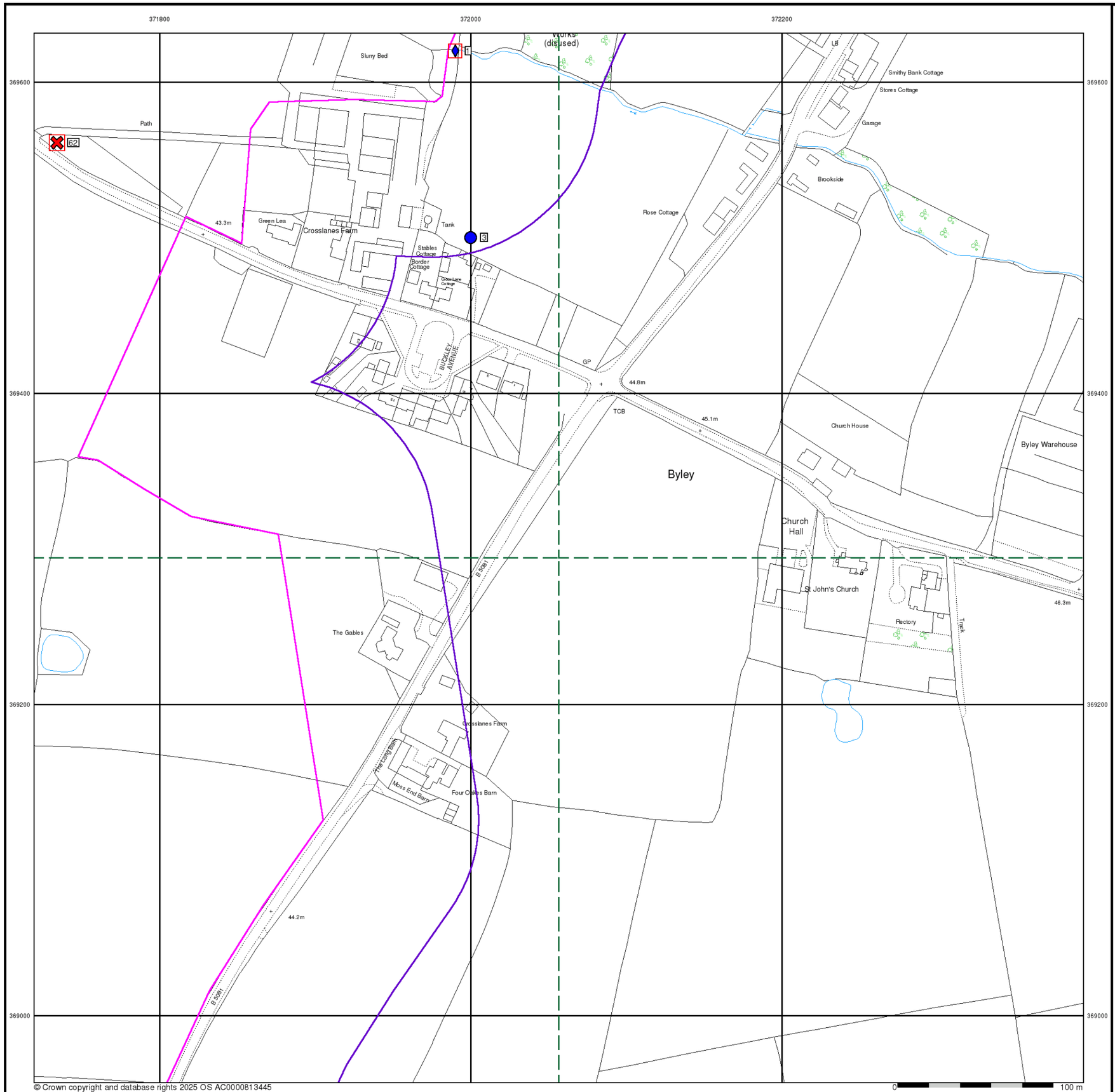

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LANDMARK INFORMATION GROUP®

General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
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- Registered Waste Treatment or Disposal Site

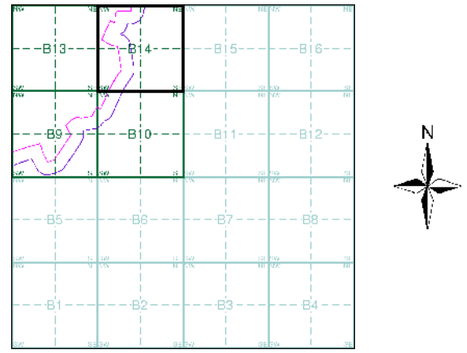
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment B14



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Plot Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP
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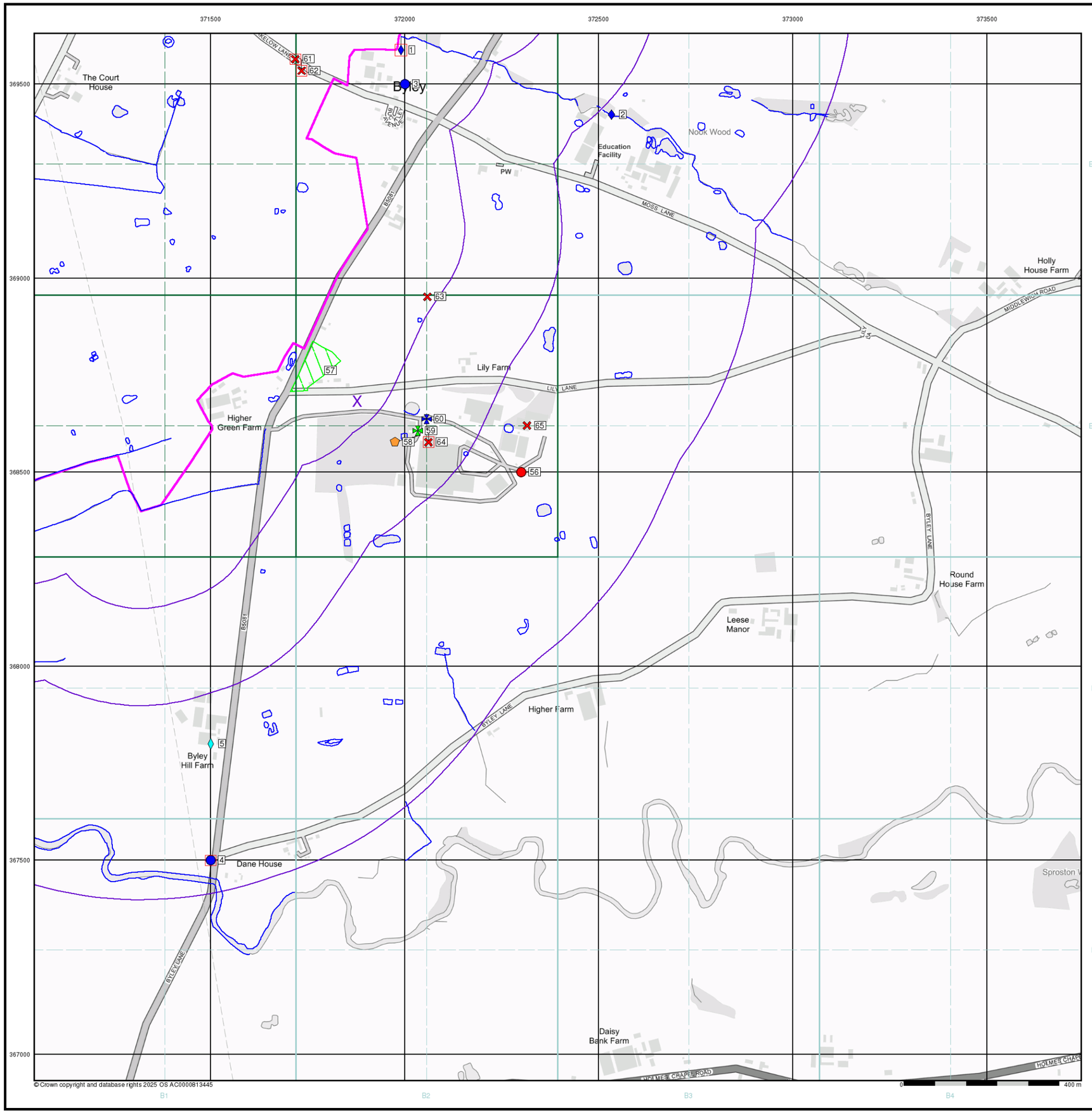
Web: www.envirocheck.co.uk



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Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

Agency and Hydrological

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Hazardous Substances

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- Explosive Site
- NIHHS Site
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- Planning Hazardous Substance Enforcement

Geological

- BGS Recorded Mineral Site

Waste

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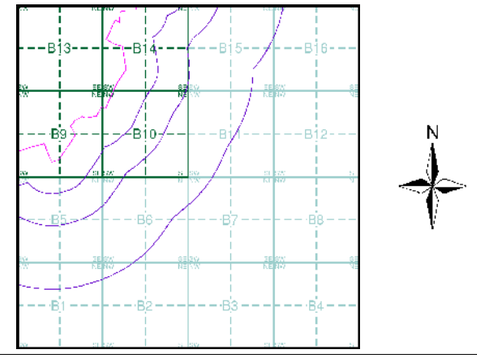
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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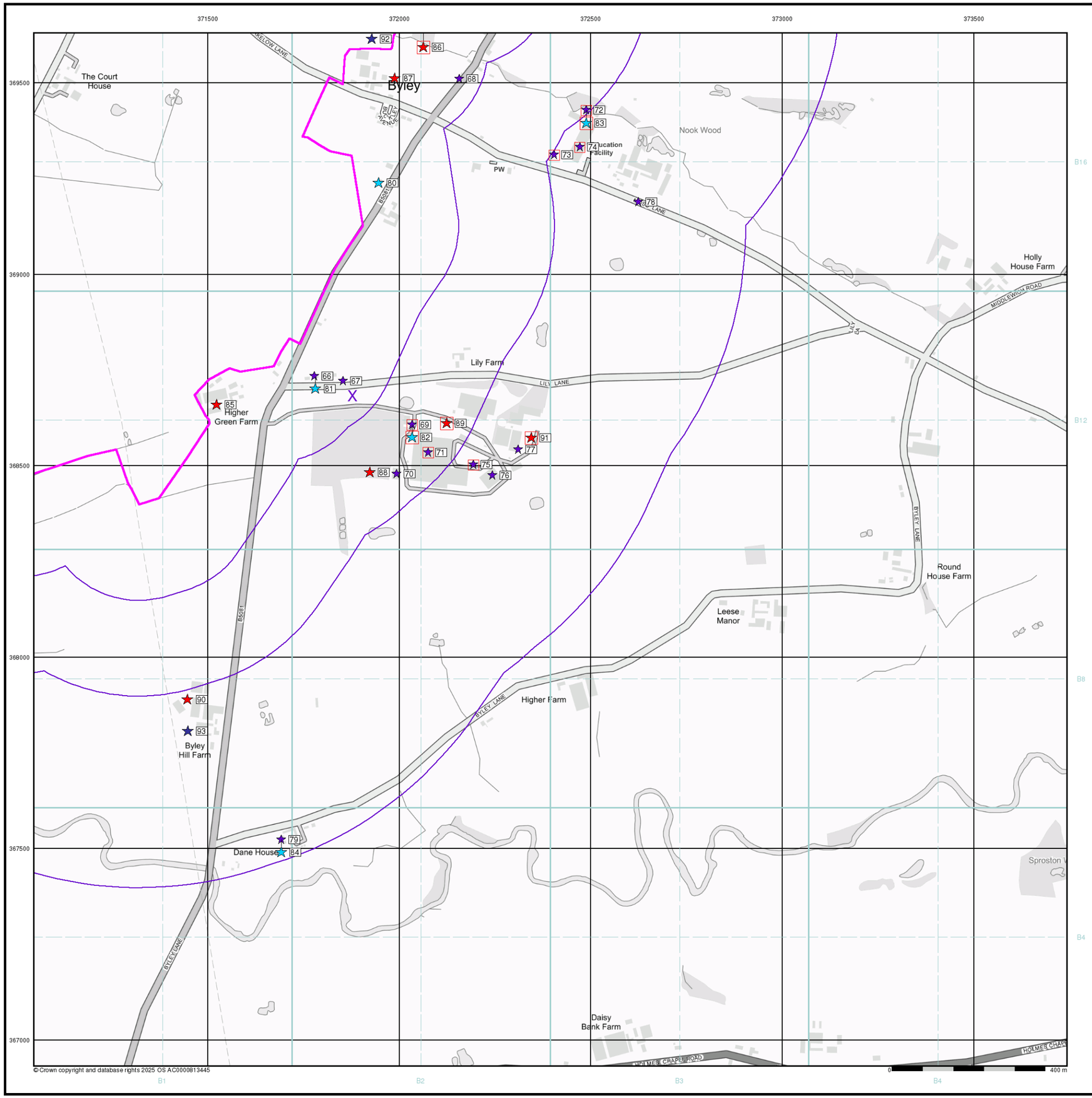

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Industrial Land Use Map

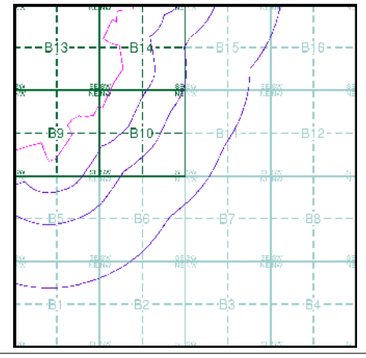
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice B



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Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
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LANDMARK INFORMATION GROUP®

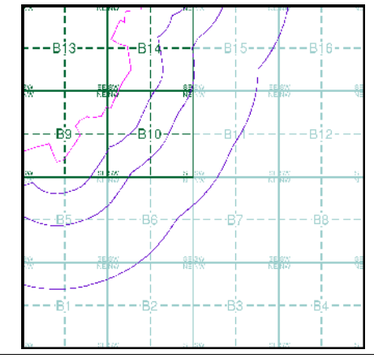
General

- 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



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Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
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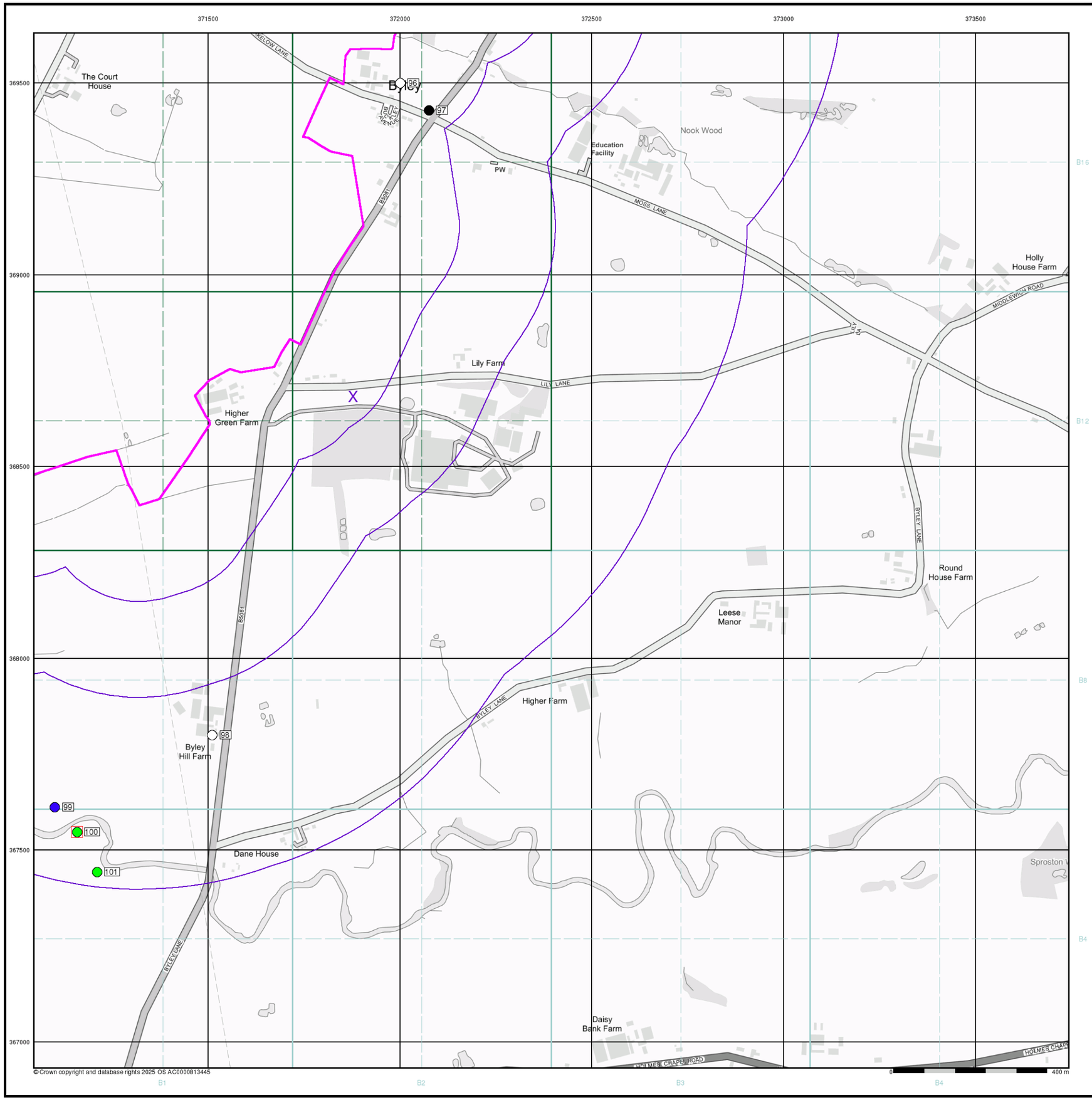

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LANDMARK INFORMATION GROUP®

General

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

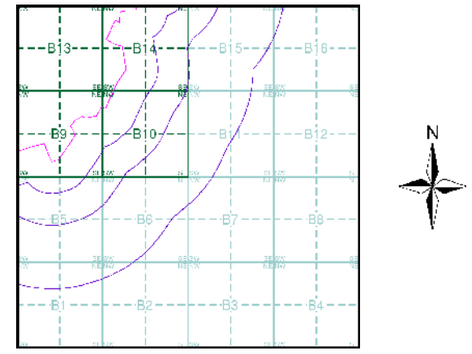
Agency and Hydrological (Boreholes)

- 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 B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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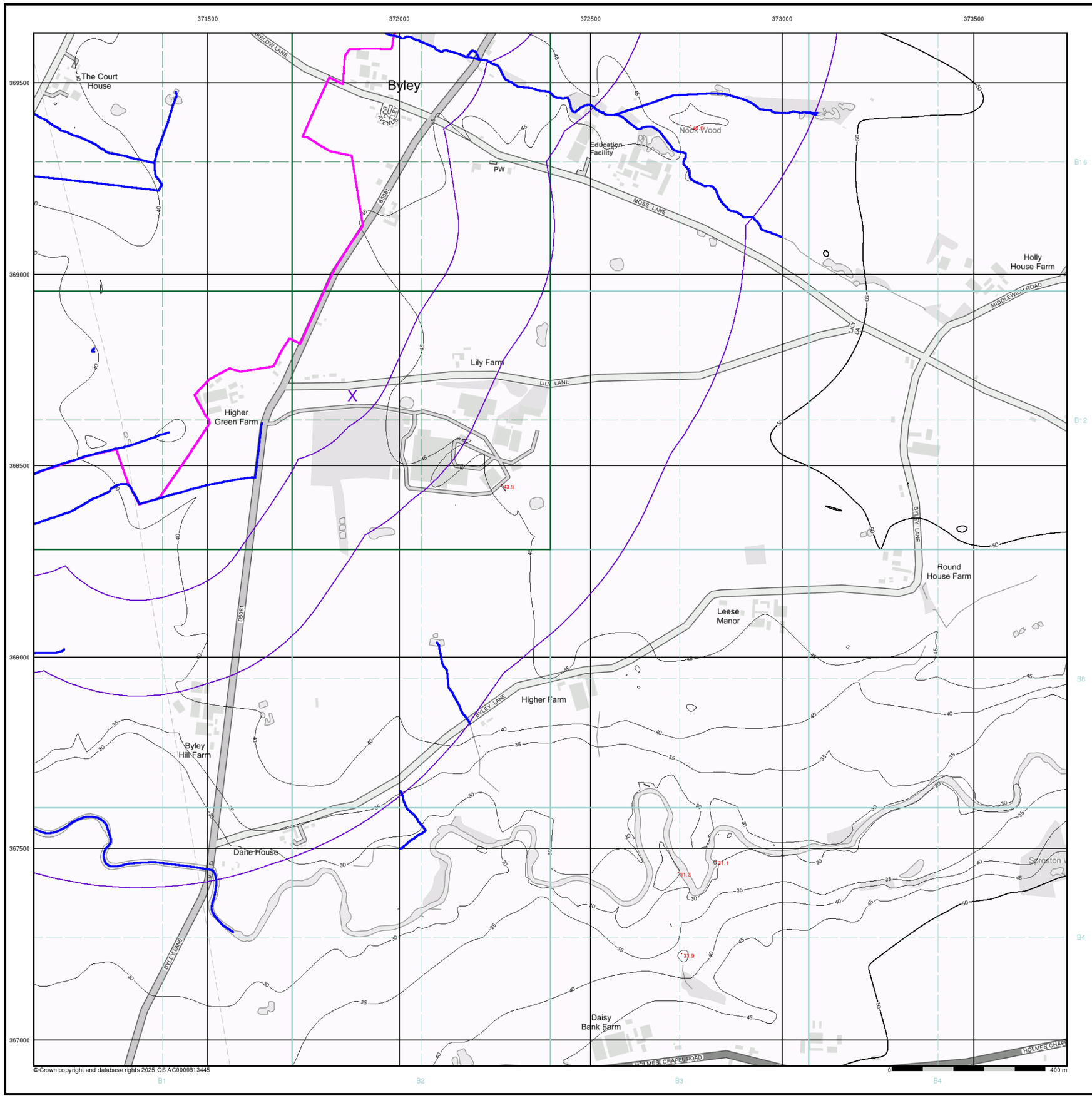


Envirocheck®

LANDMARK INFORMATION GROUP®

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

Contours (height in meters)

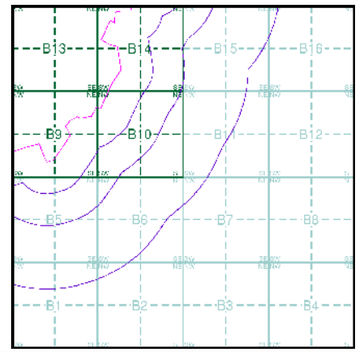
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice B



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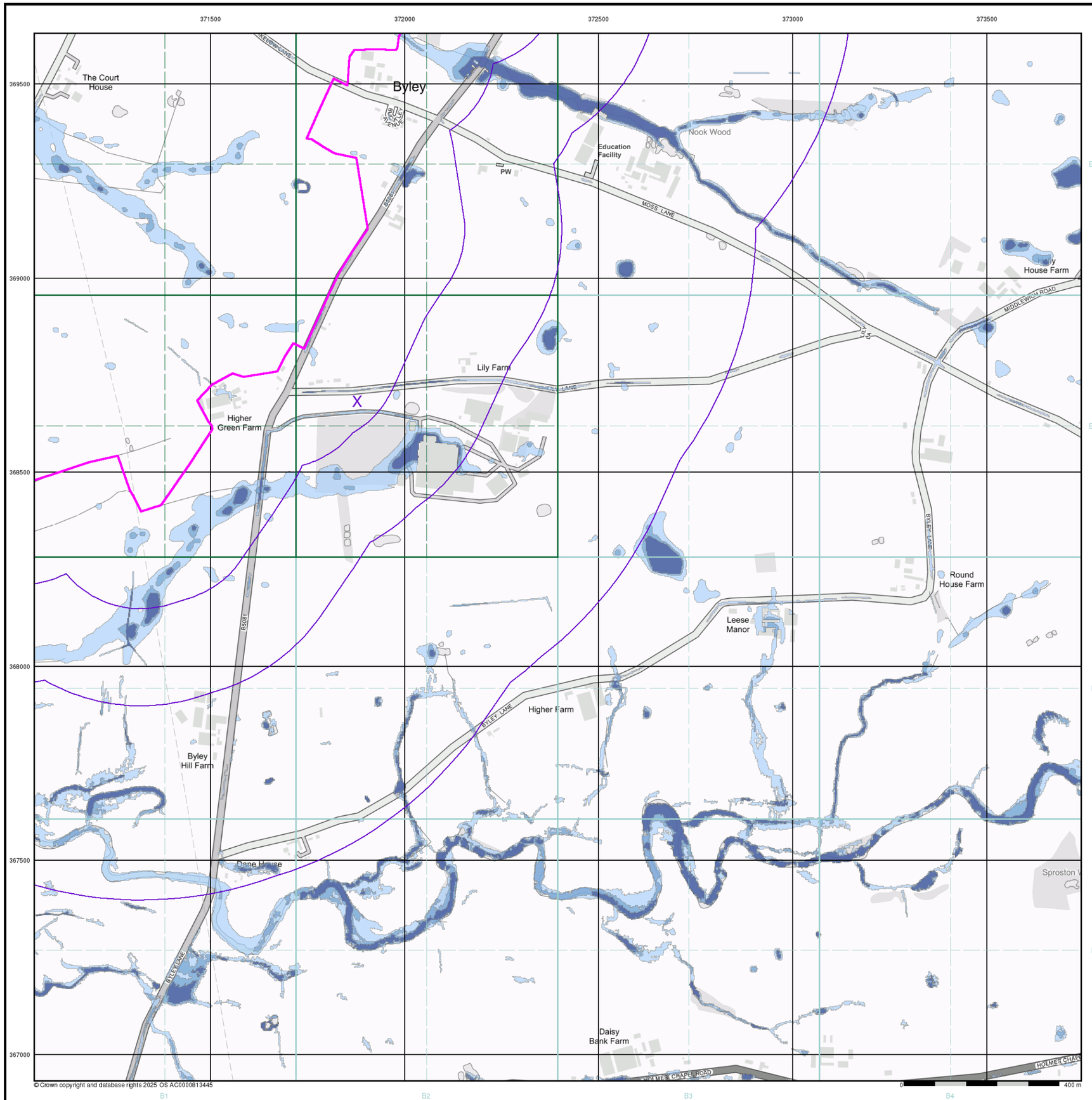


Envirocheck®

LANDMARK INFORMATION GROUP®

General

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

Risk of Flooding from Surface Water

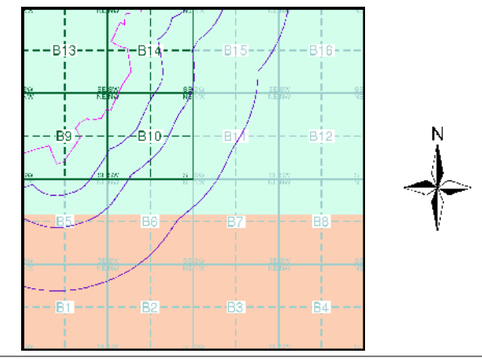
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice B



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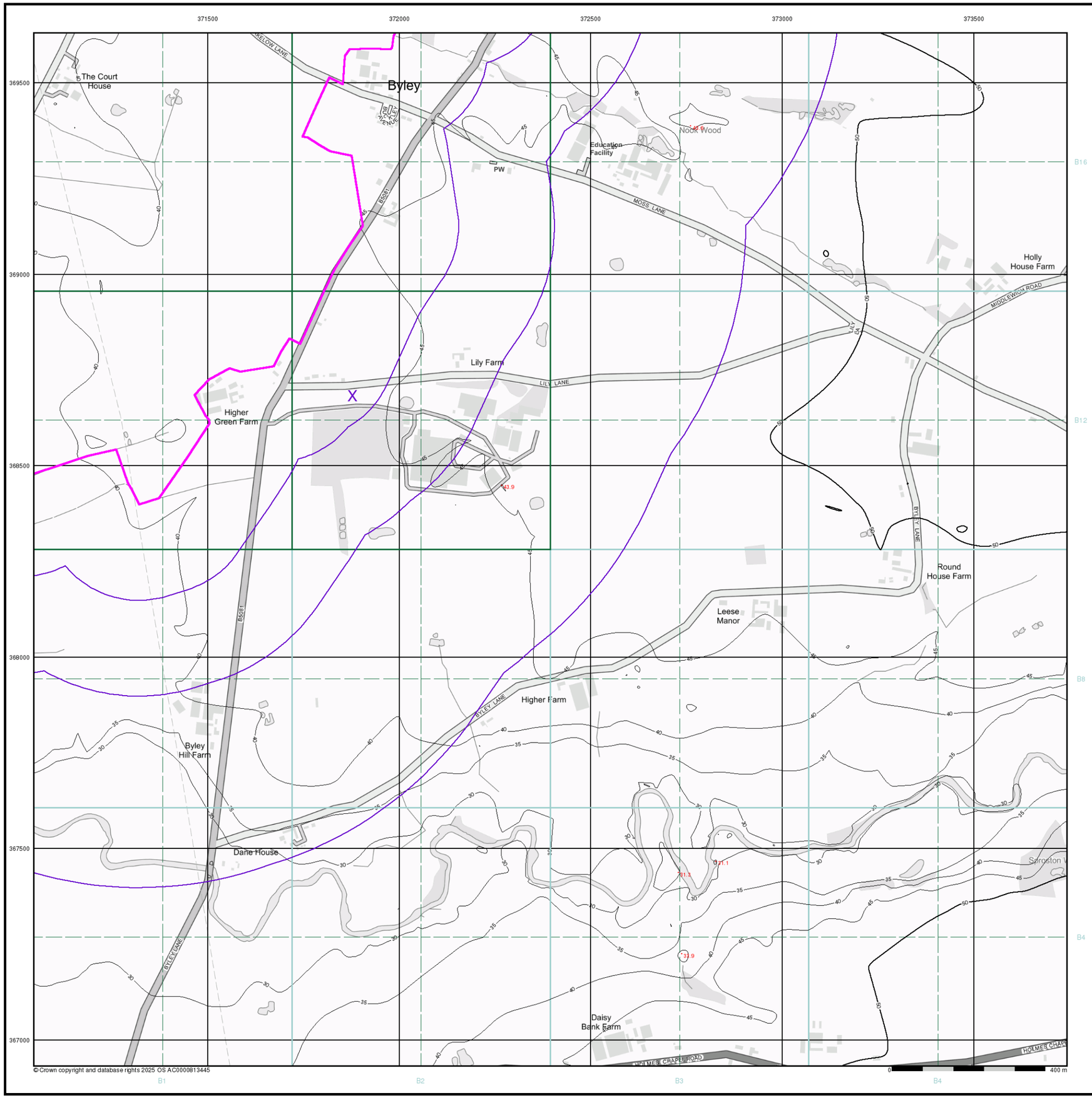


Envirocheck®

LANDMARK INFORMATION GROUP®

WFD Surface Waters Map

General

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

Slice | Map ID

Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

Contours (height in meters)

Standard Contour 105 100 95

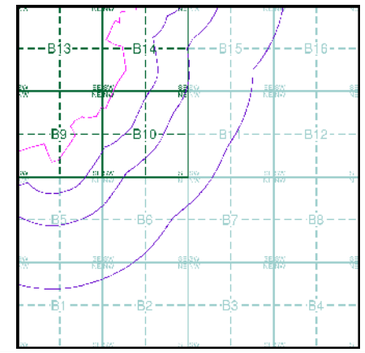
Master Contour

Spot Height * 167.3

MLW Mean Low Water

MHW Mean High Water

WFD Surface Waters Map - Slice B



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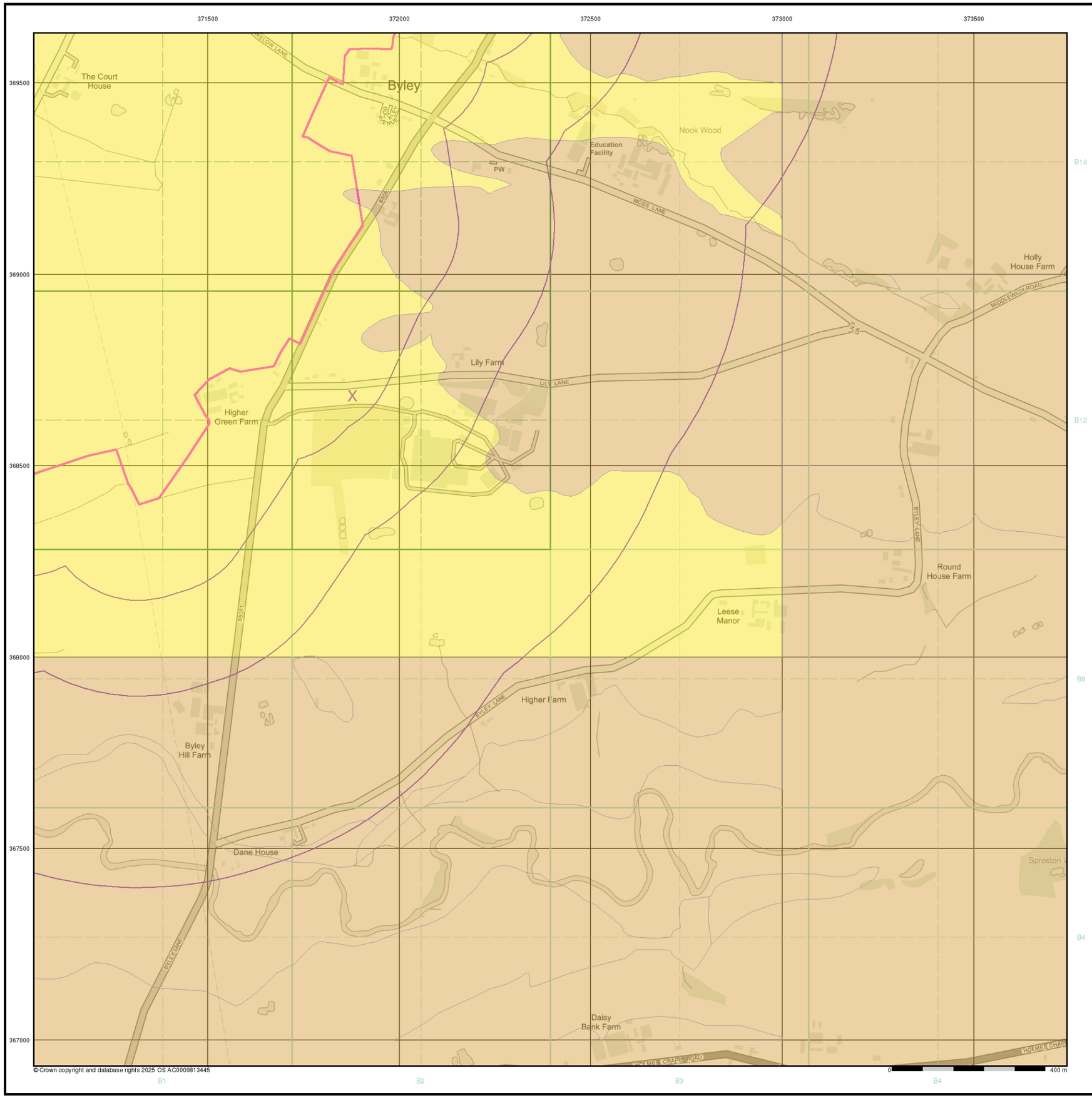


Envirocheck®

LANDMARK INFORMATION GROUP®

General

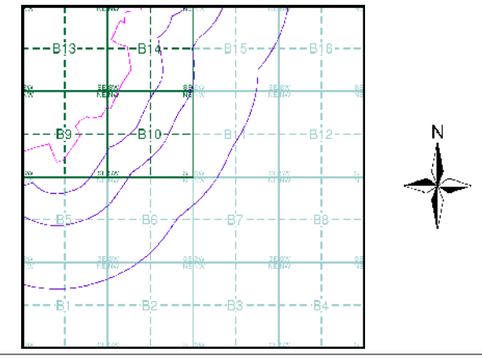
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice B



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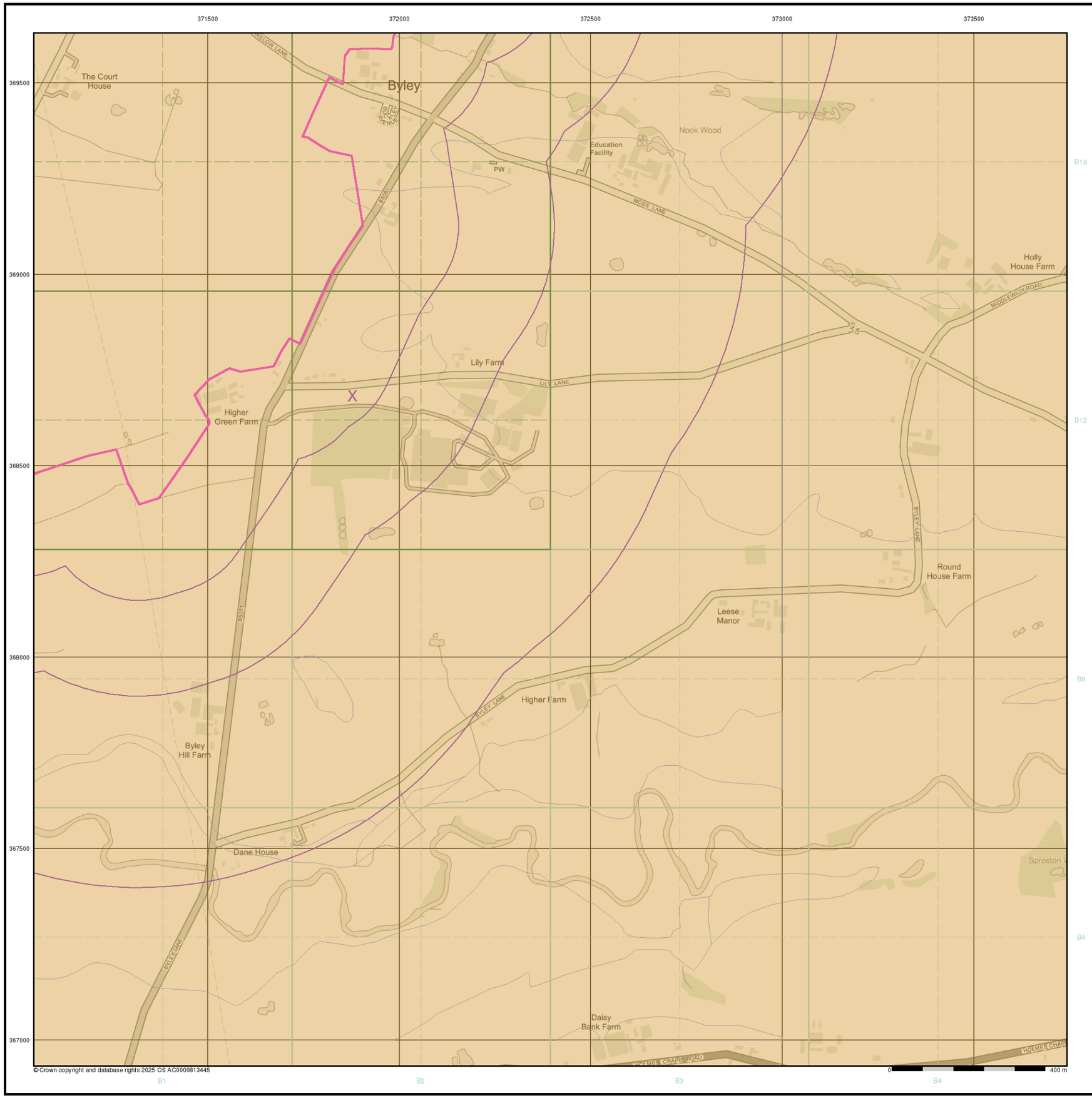

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Envirocheck®

LANDMARK INFORMATION GROUP®

General

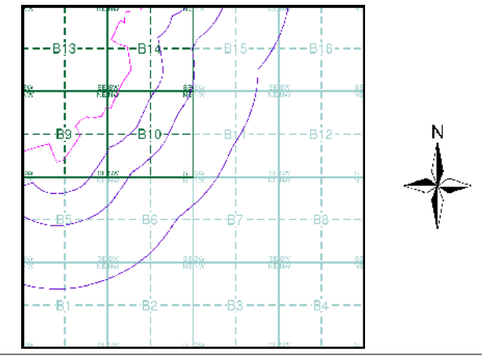
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice B



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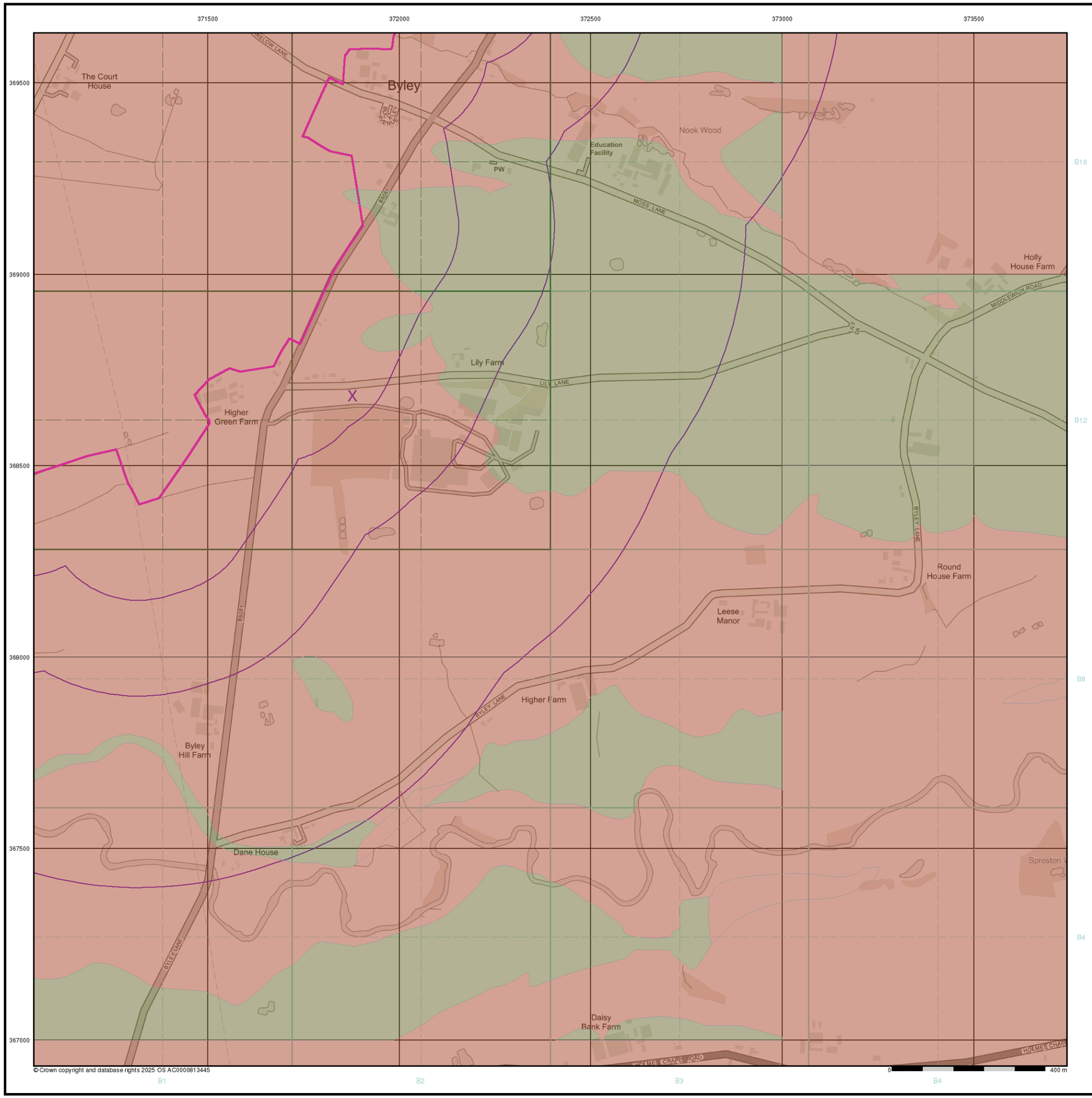

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General

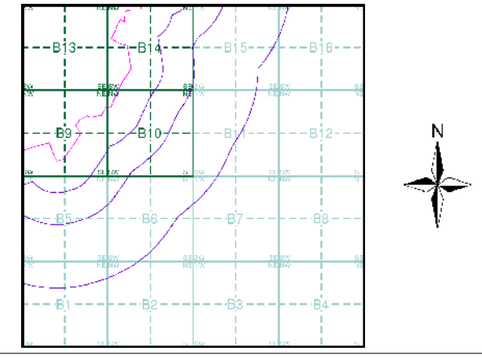
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice B



Order Details

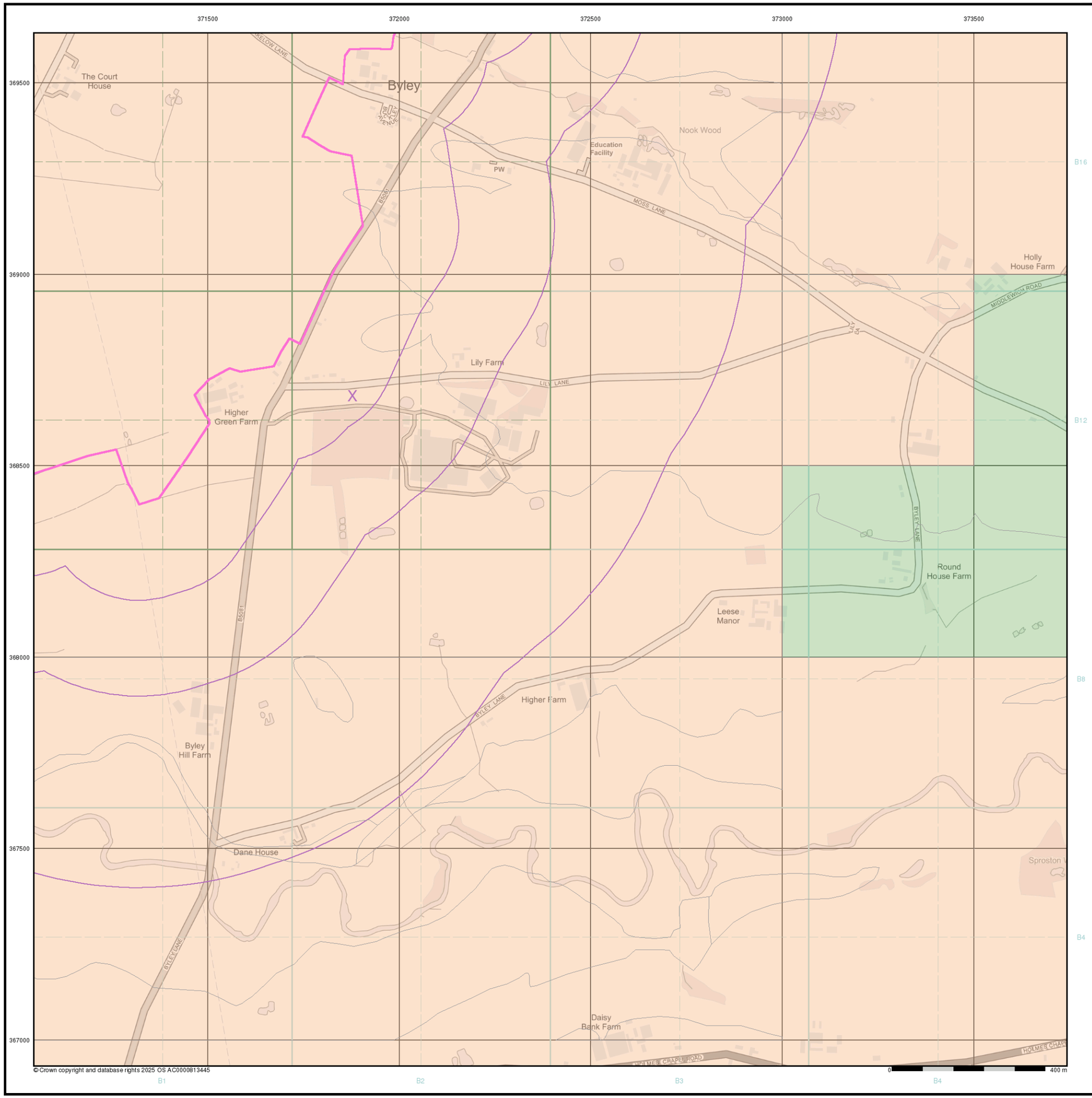
Order Details:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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



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General

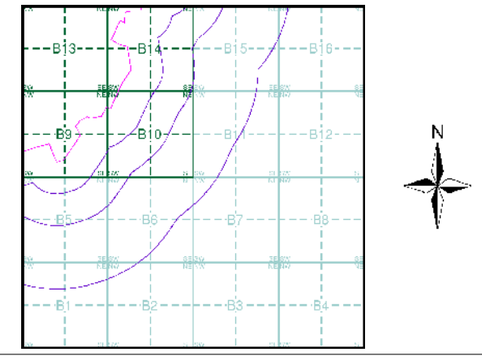
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice B



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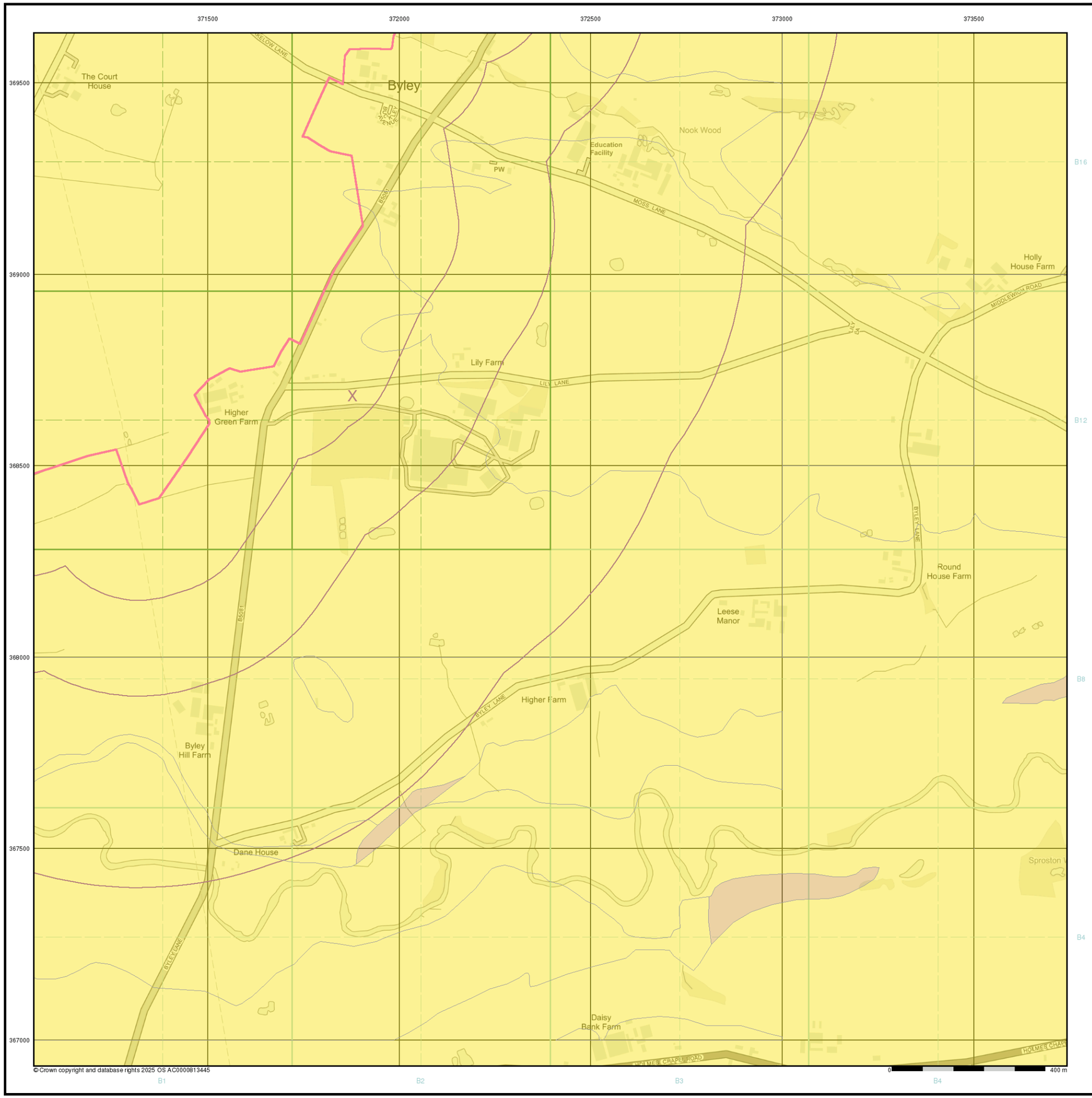

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General

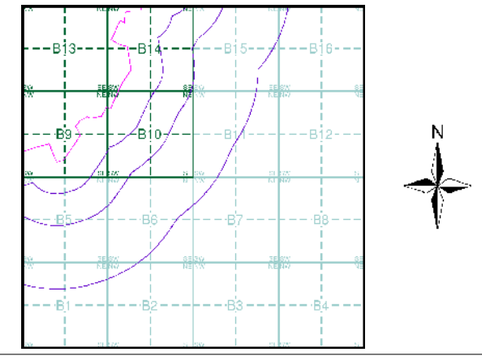
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice B



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Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	PEAT	Peat	Peat	Not Supplied - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WHT	Wilkesley Halite Member	Halite-stone and Mudstone	Not Supplied - Carnian
	SIM	Sidmouth Mudstone Formation	Mudstone	Not Supplied - Olenekian
		Faults		

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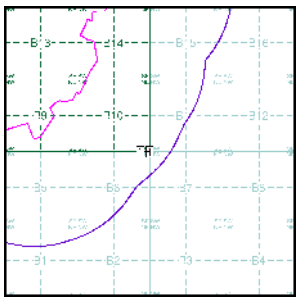
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	**1**
Map Sheet No:	**110**
Map Name:	**Macclesfield**
Map Date:	**1968**
Bedrock Geology:	**Available**
Superficial Geology:	**Available**
Artificial Geology:	**Not Available**
Faults:	**Not Supplied**
Landslip:	**Available**
Rock Segments:	**Not Supplied**

Geology 1:50,000 Maps - Slice B



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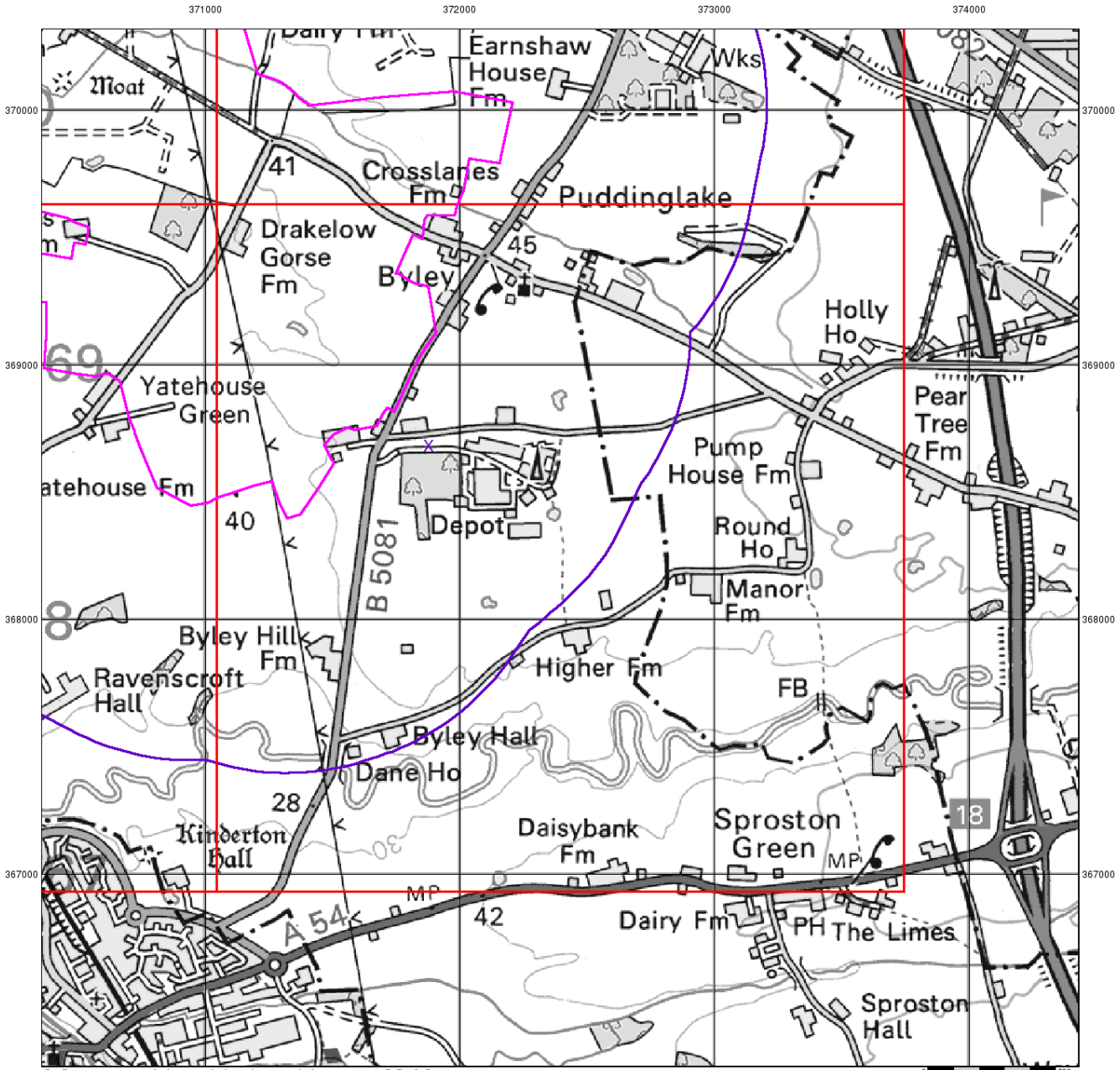

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Artificial Ground and Landslip

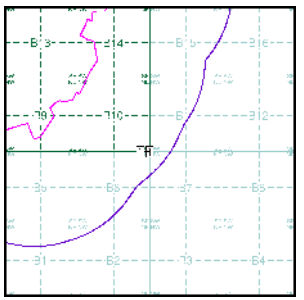
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice B



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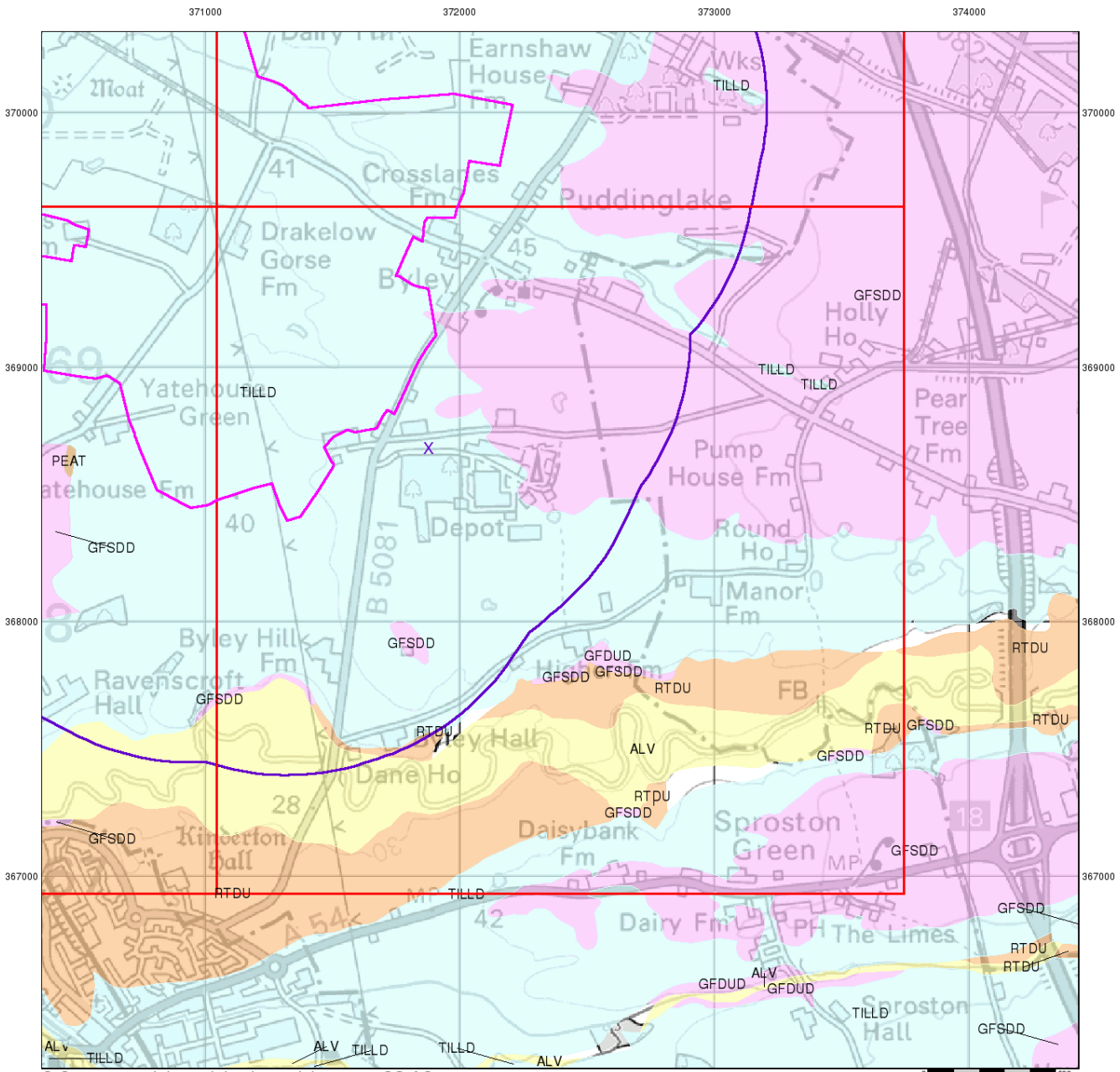

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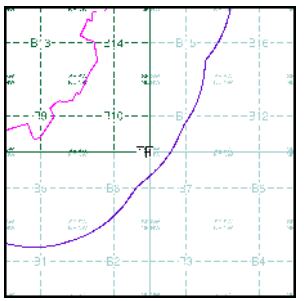
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice B



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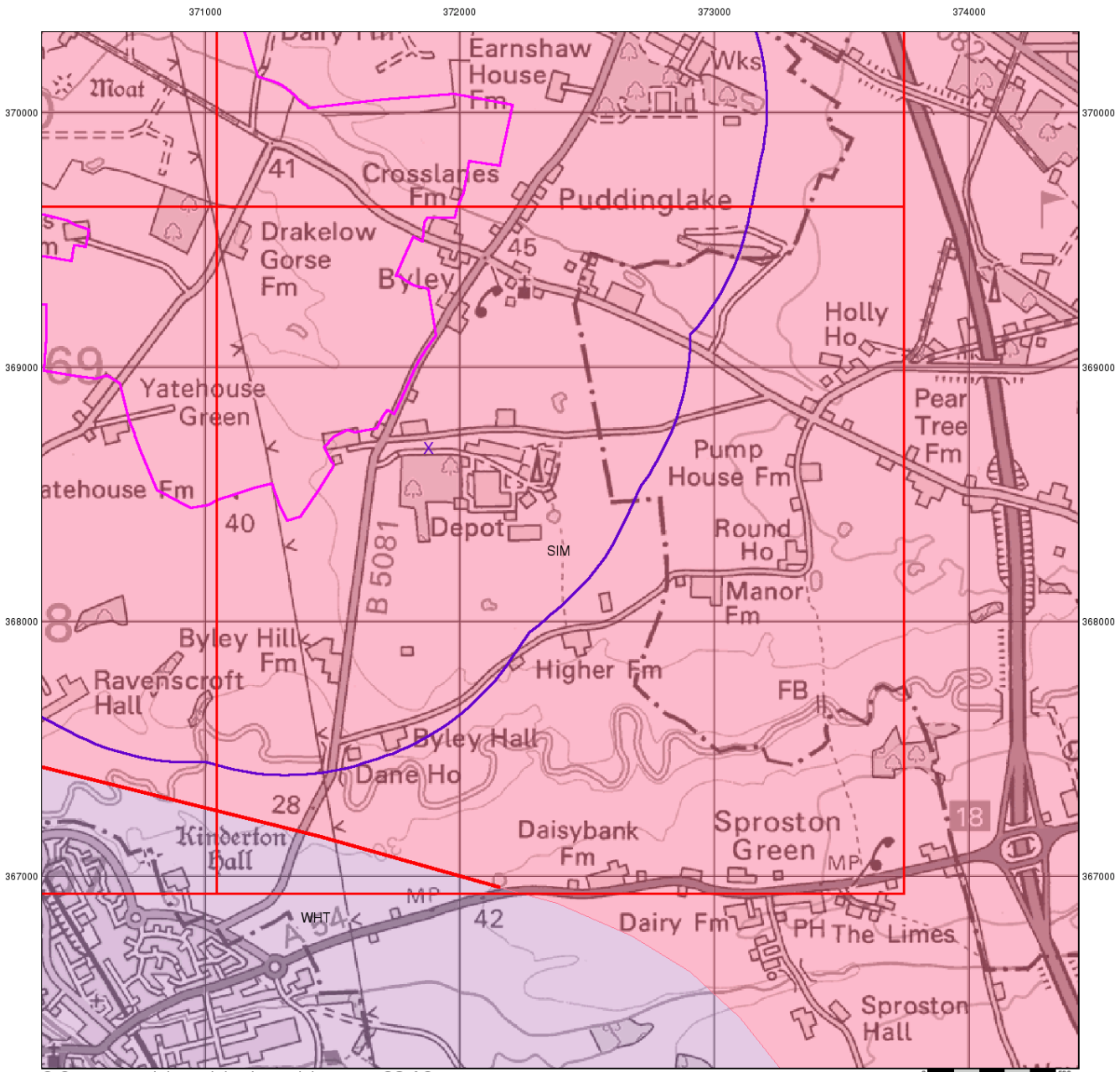

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Bedrock and Faults

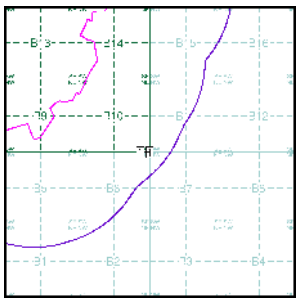
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice B



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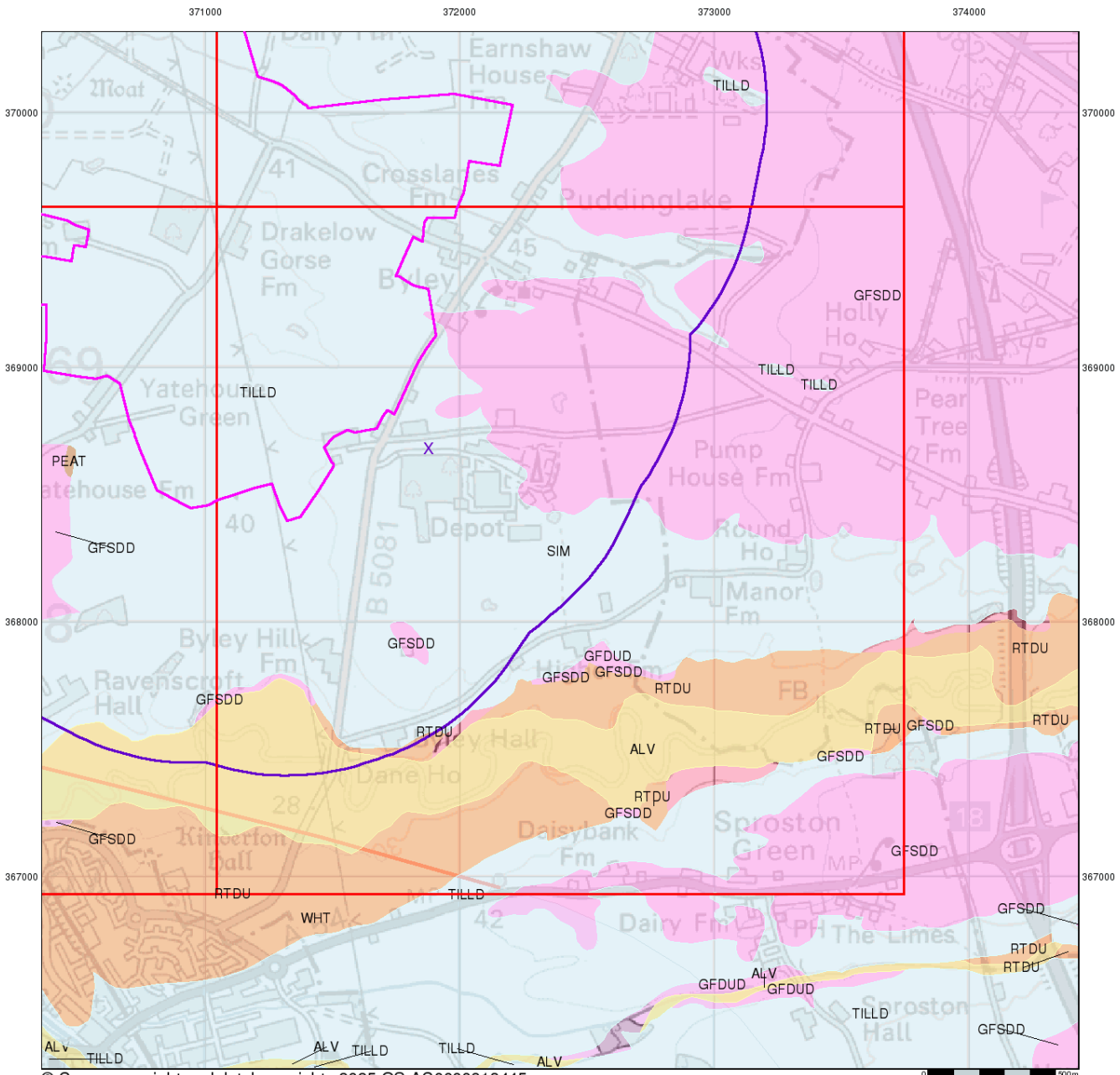

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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

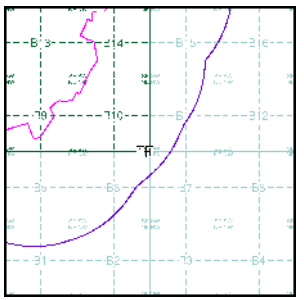
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice B



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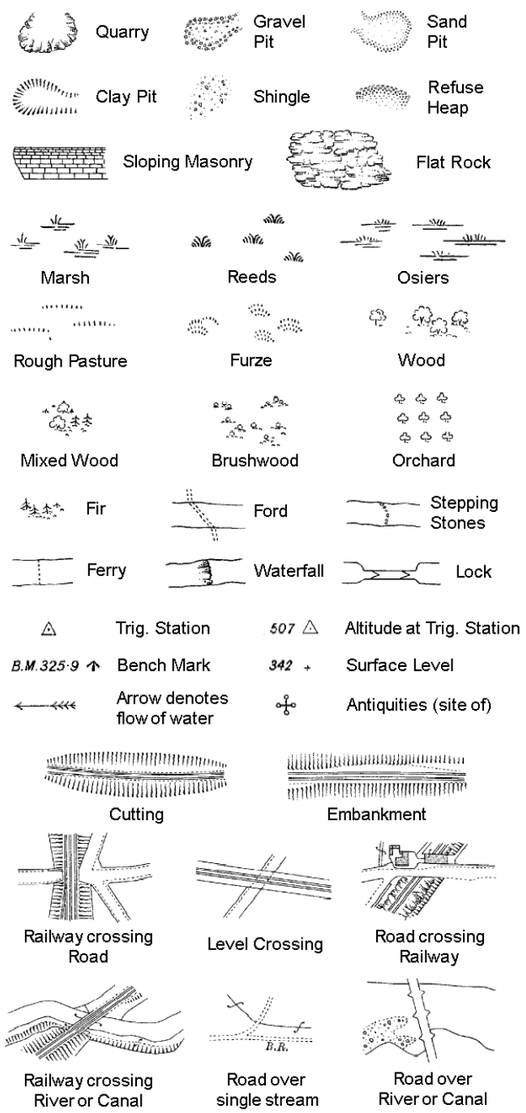
Historical Mapping Legends

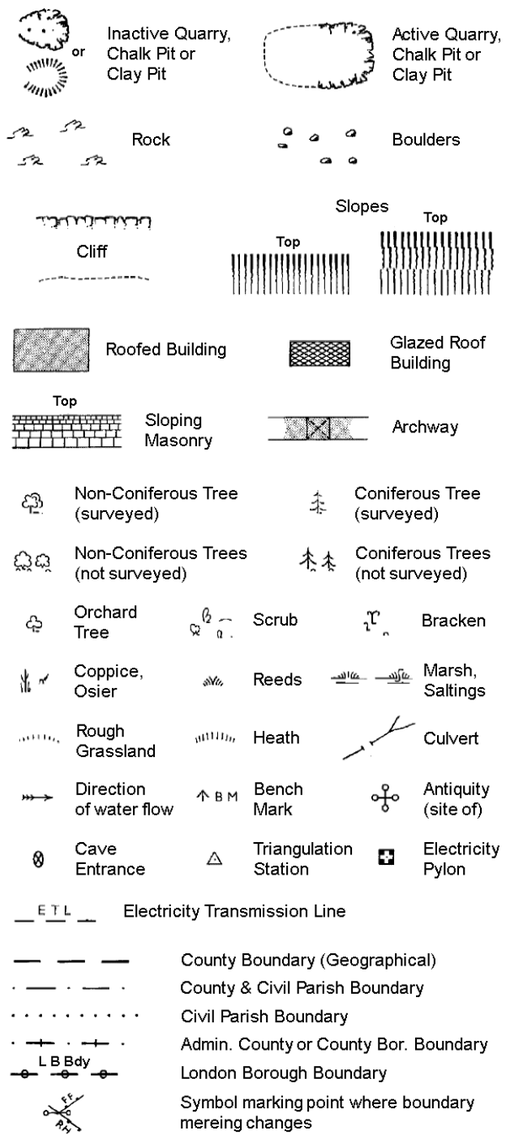
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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

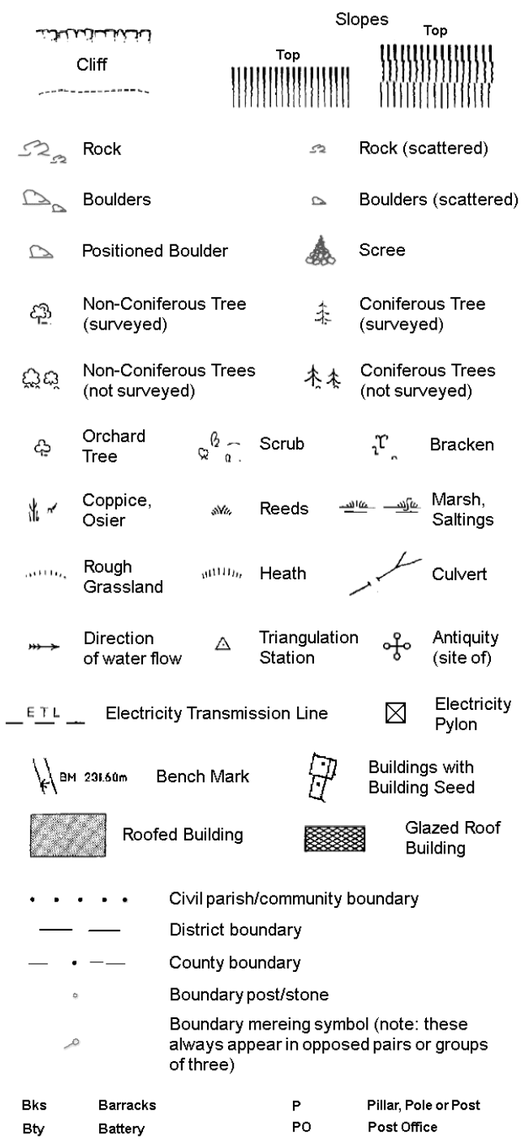
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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

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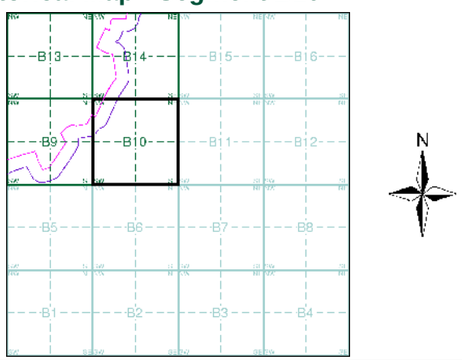
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:2,500	1875	2
Cheshire	1:2,500	1898	3
Cheshire	1:2,500	1909	4
Ordnance Survey Plan	1:2,500	1966 - 1968	5
Additional SIMs	1:2,500	1988	6
Large-Scale National Grid Data	1:2,500	1993	7
Historical Aerial Photography	1:2,500	2000	8

Historical Map - Segment B10



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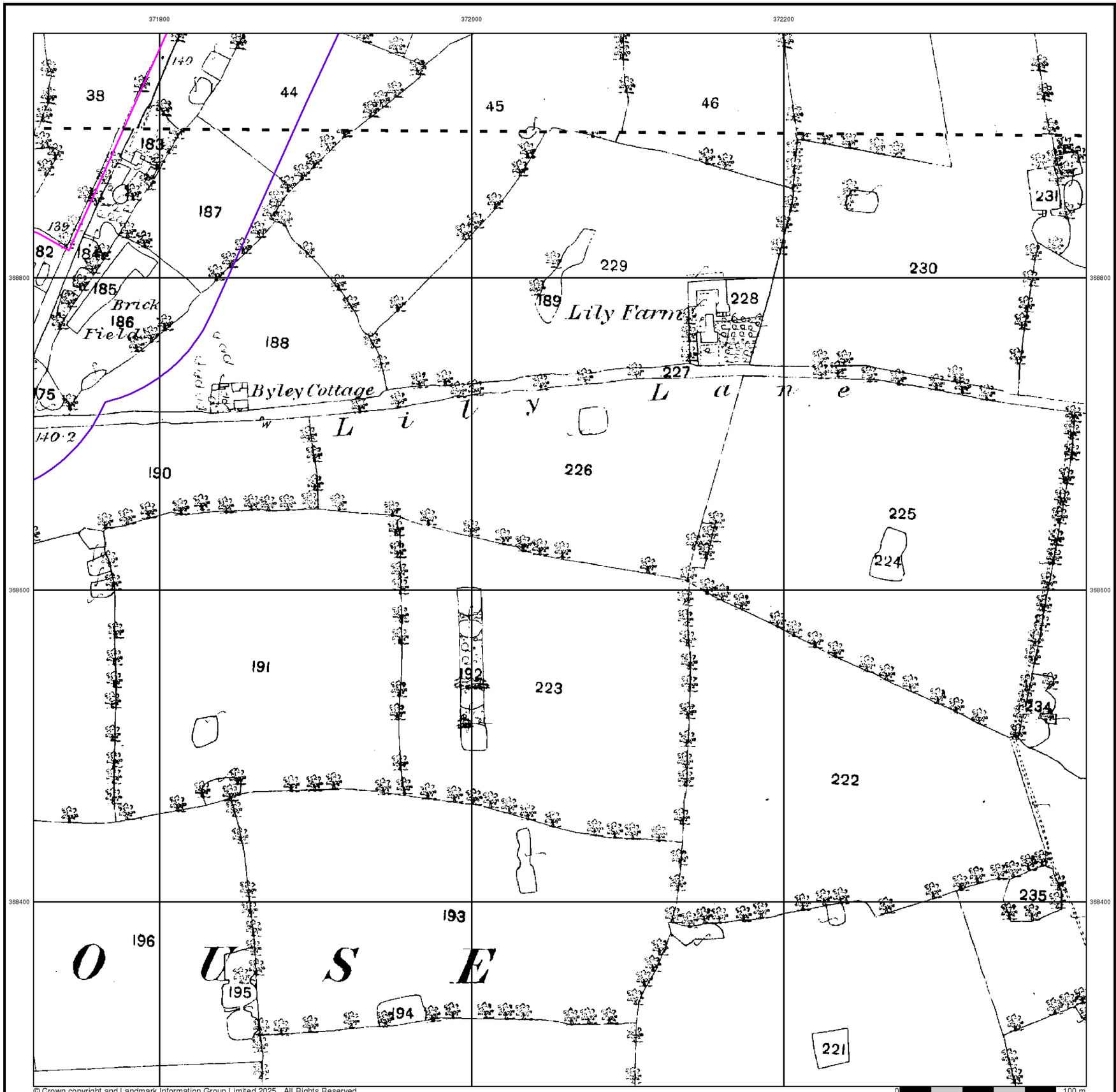

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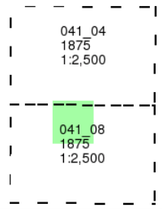
Cheshire

Published 1875

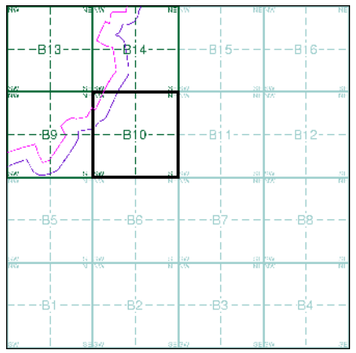
Source map scale - 1:2,500

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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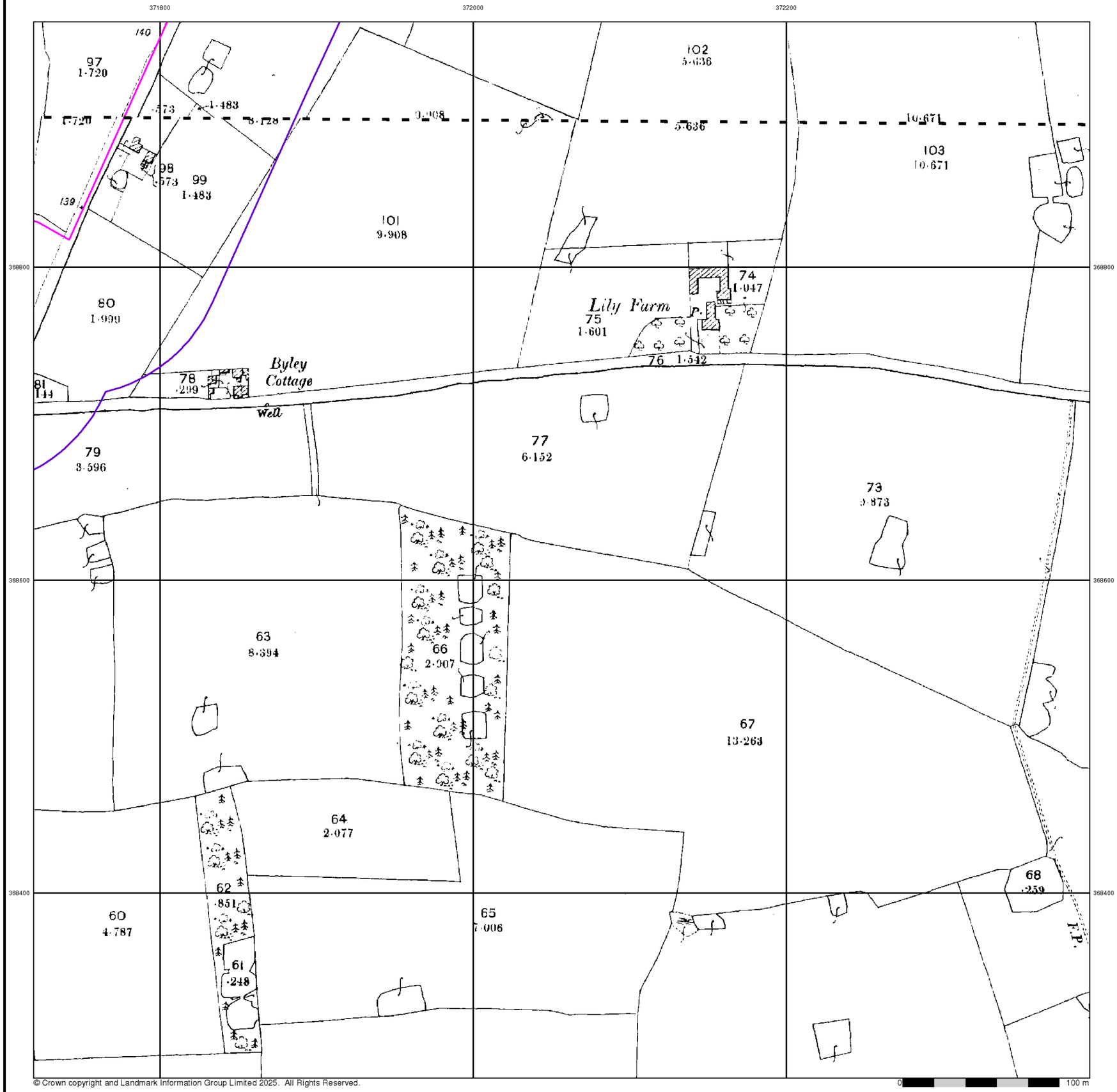

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Cheshire

Published 1898

Source map scale - 1:2,500

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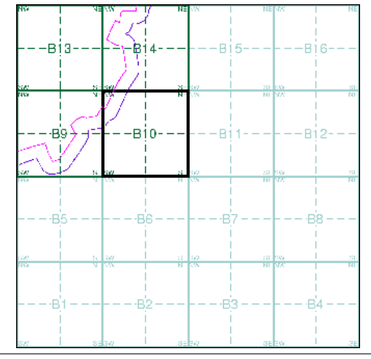
Map Name(s) and Date(s)

041_04
1898
1:2,500

041_08
1898
1:2,500

Historical Map - Segment B10



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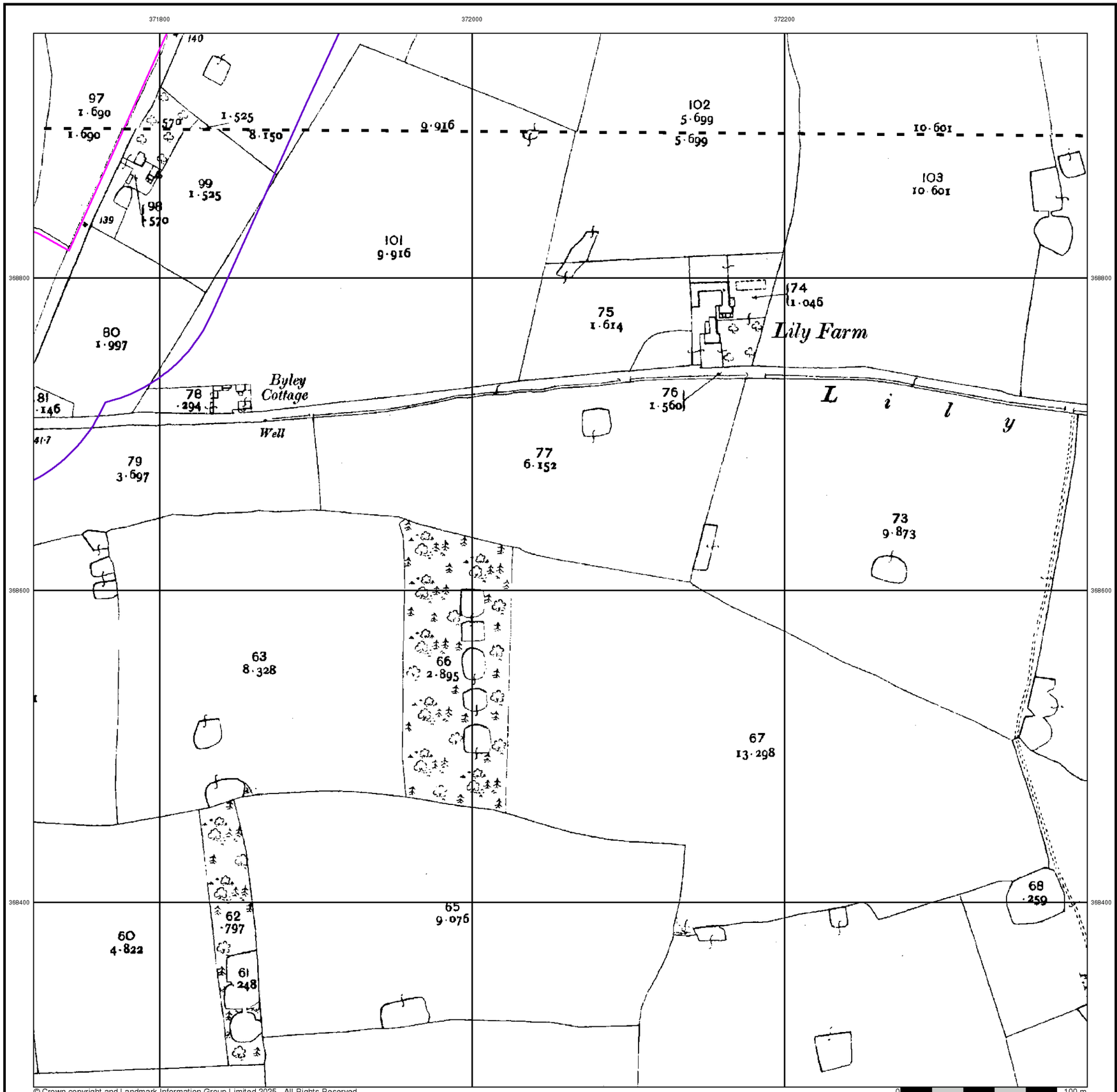

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Cheshire

Published 1909

Source map scale - 1:2,500

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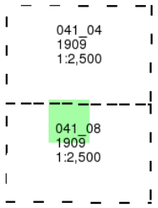
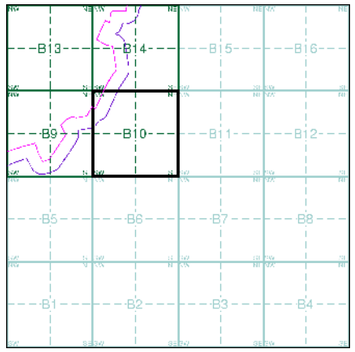
Map Name(s) and Date(s)



Historical Map - Segment B10



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

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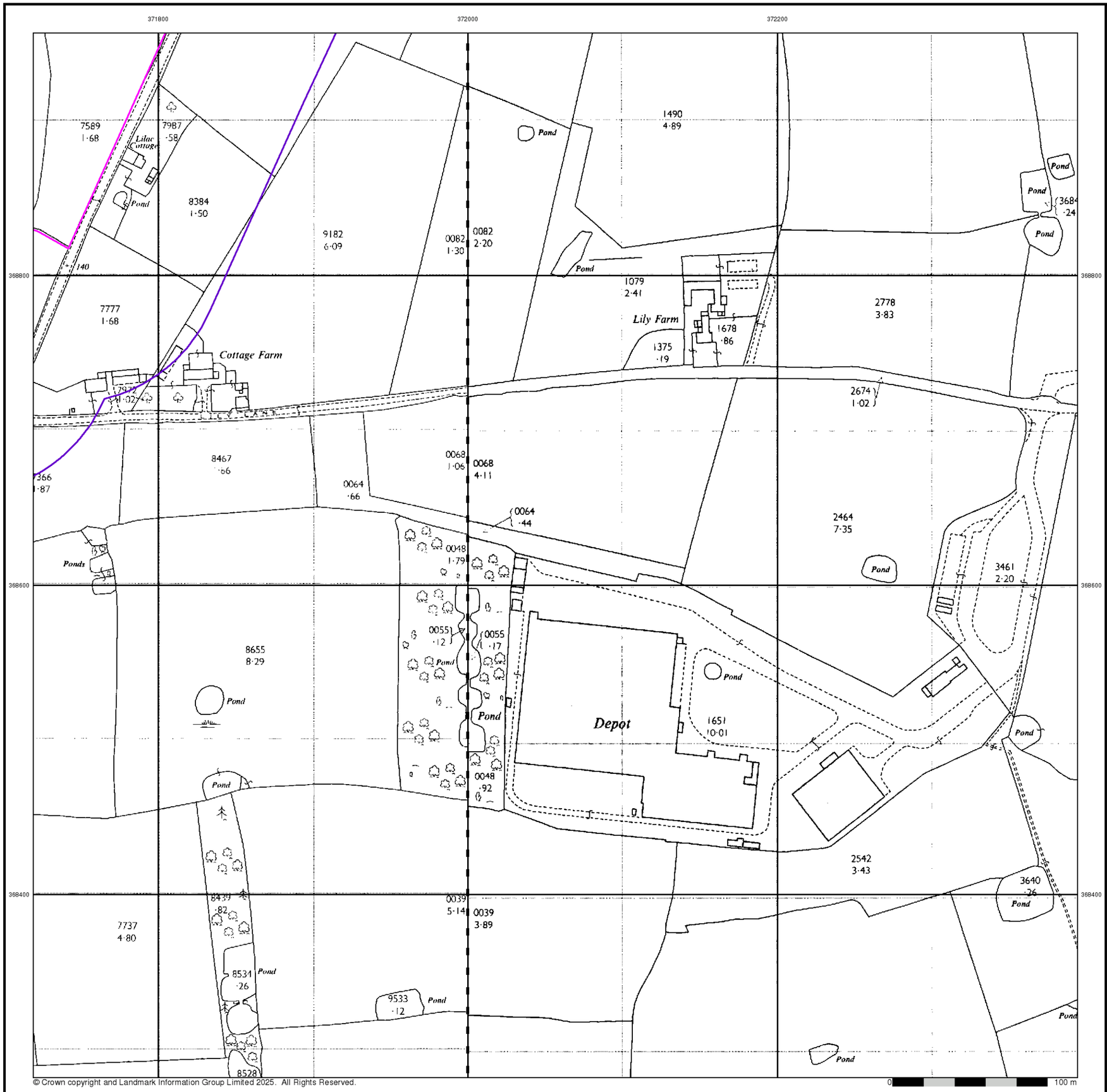

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Ordnance Survey Plan

Published 1966 - 1968

Source map scale - 1:2,500

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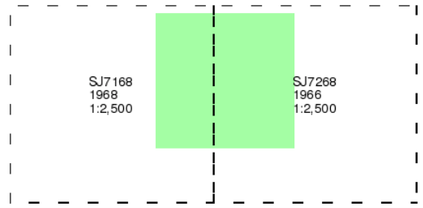
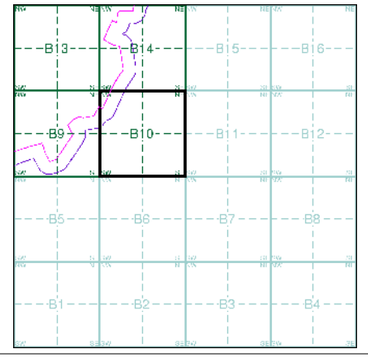


Historical Map - Segment B10



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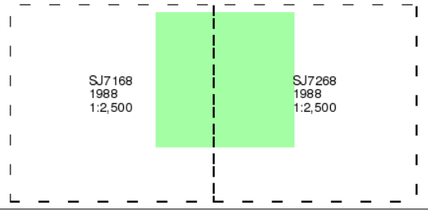
Additional SIMs

Published 1988

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)



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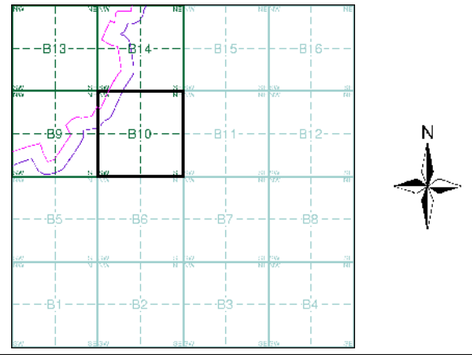

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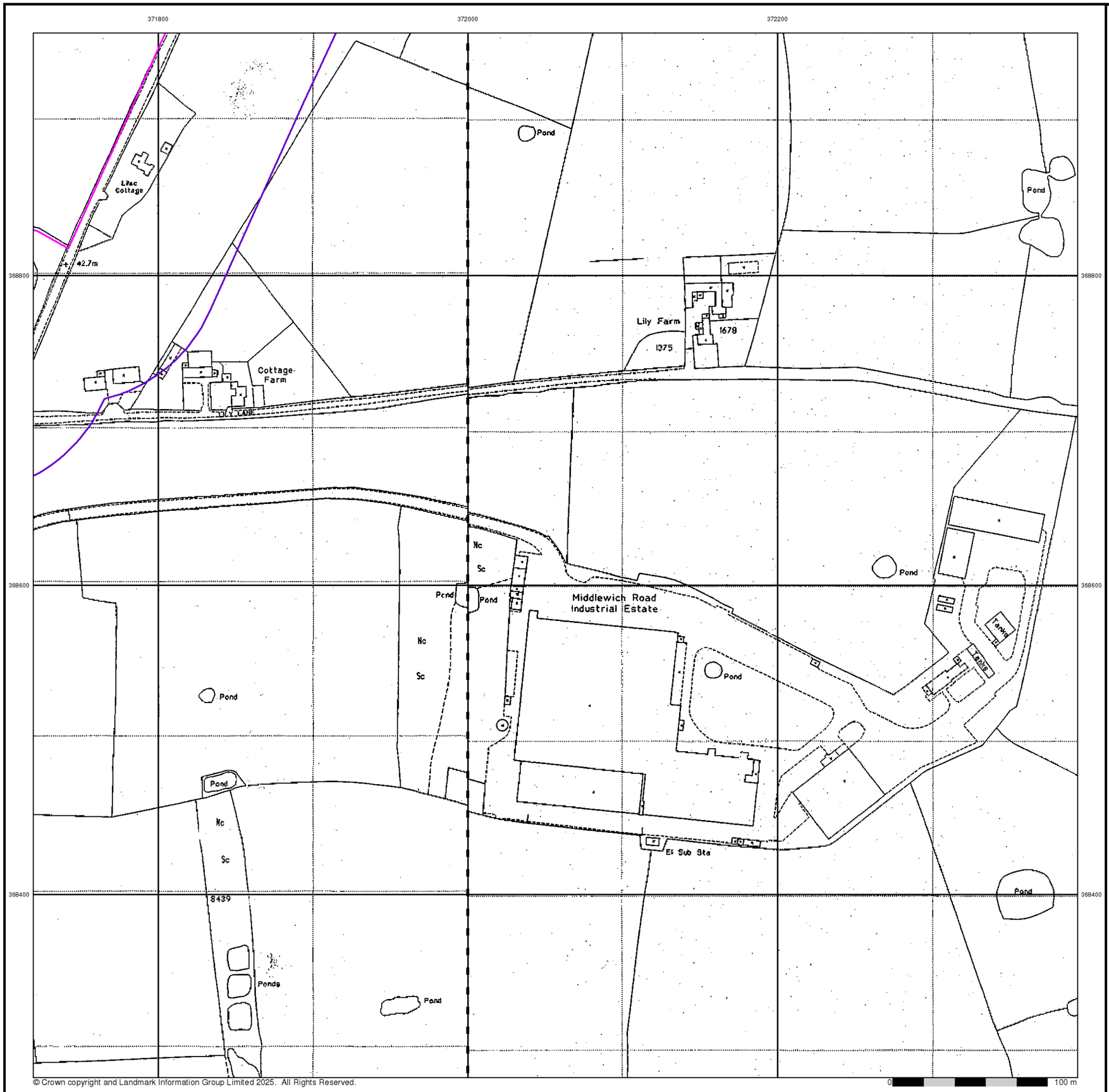

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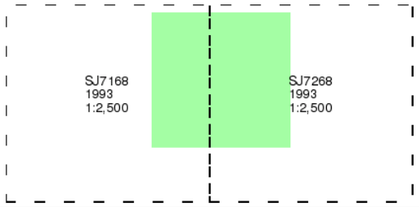
Large-Scale National Grid Data

Published 1993

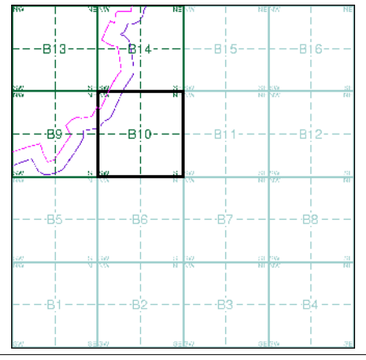
Source map scale - 1:2,500

'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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Search Buffer (m):	100

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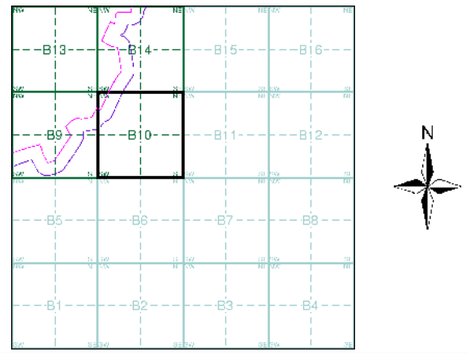
Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment B10



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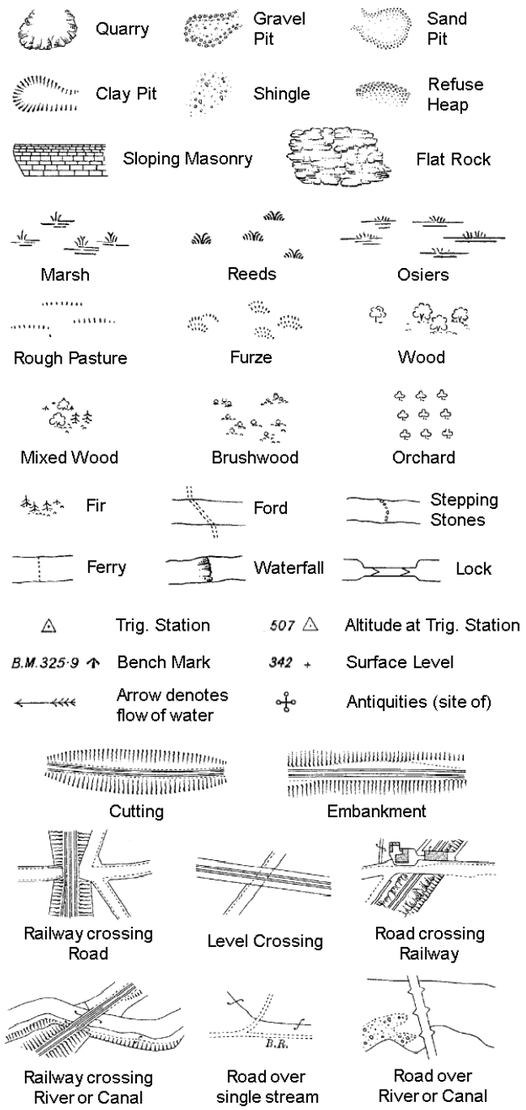
Historical Mapping Legends

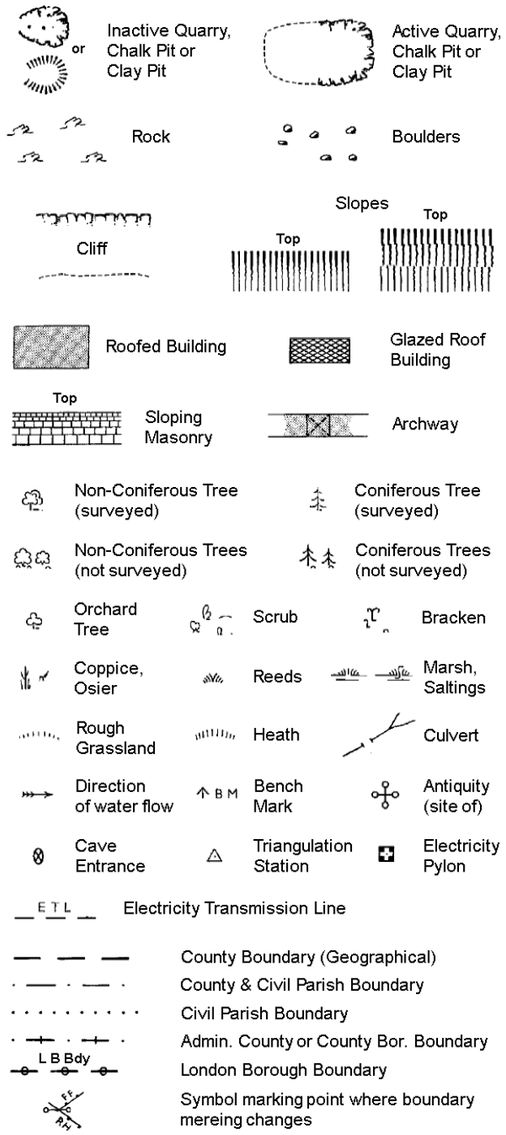
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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	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

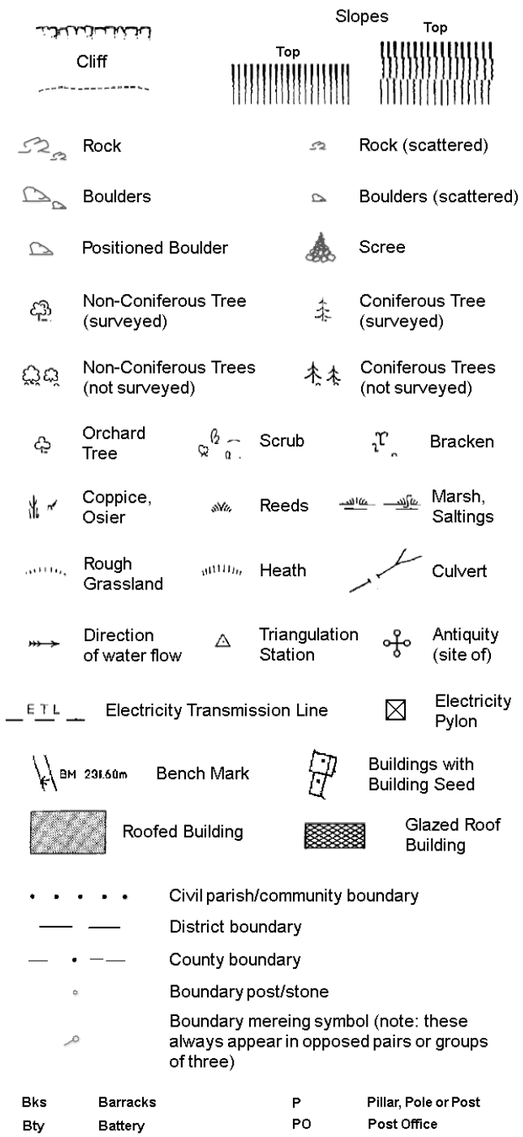
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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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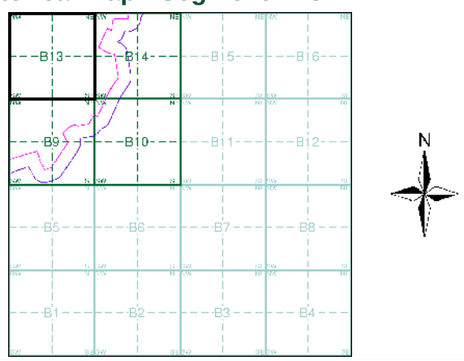
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:2,500	1875	2
Cheshire	1:2,500	1898	3
Cheshire	1:2,500	1909	4
Ordnance Survey Plan	1:2,500	1968	5
Additional SIMs	1:2,500	1988	6
Large-Scale National Grid Data	1:2,500	1993	7
Historical Aerial Photography	1:2,500	2000	8

Historical Map - Segment B13



Order Details

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Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
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Site Area (Ha):	357.89
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Site Details

Site at, Byley, Cheshire West & Chester

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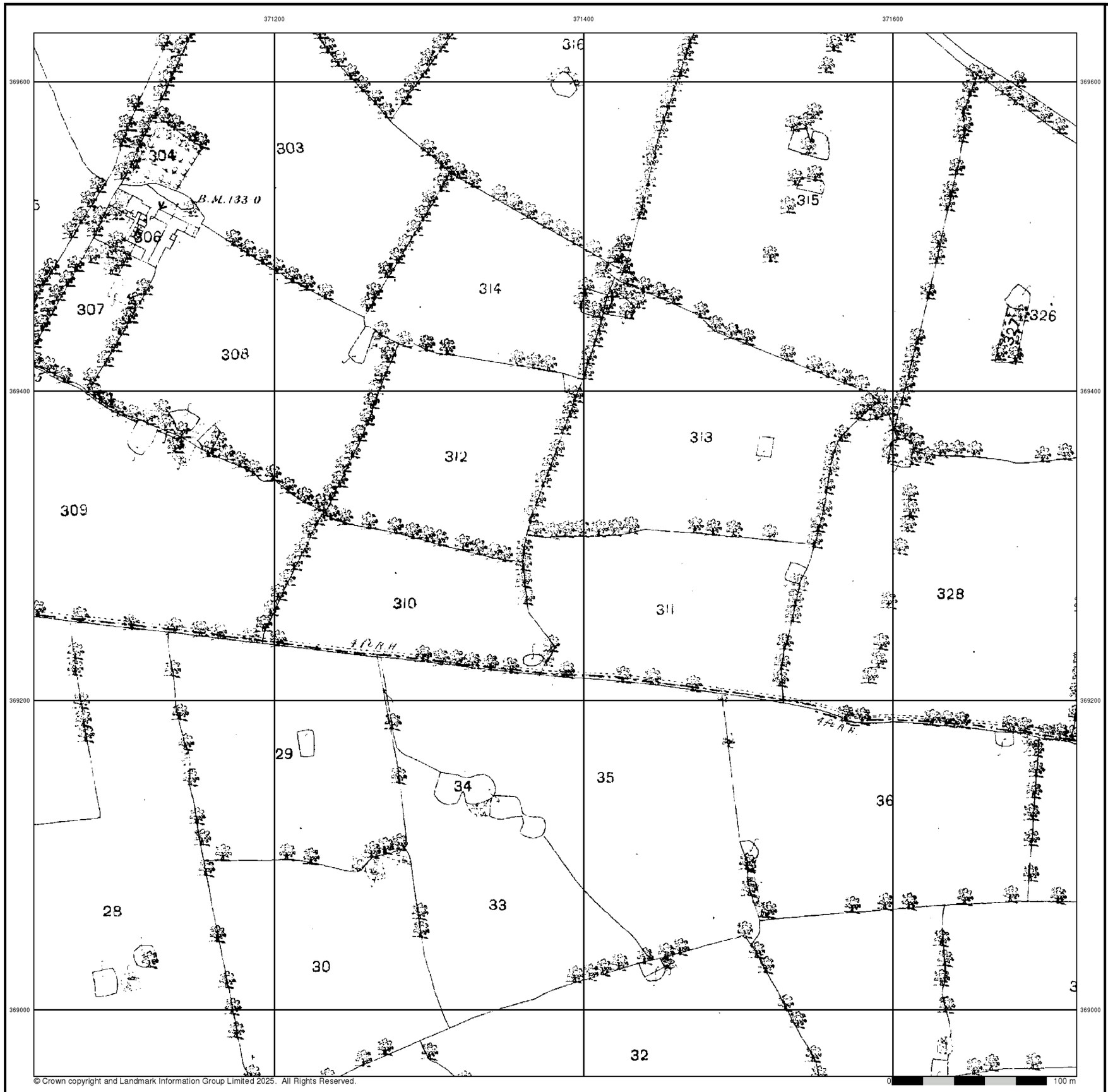

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Cheshire

Published 1875

Source map scale - 1:2,500

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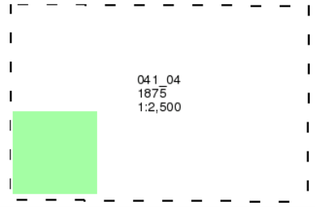
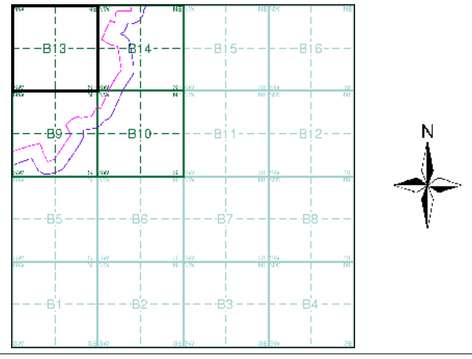
Map Name(s) and Date(s)



Historical Map - Segment B13



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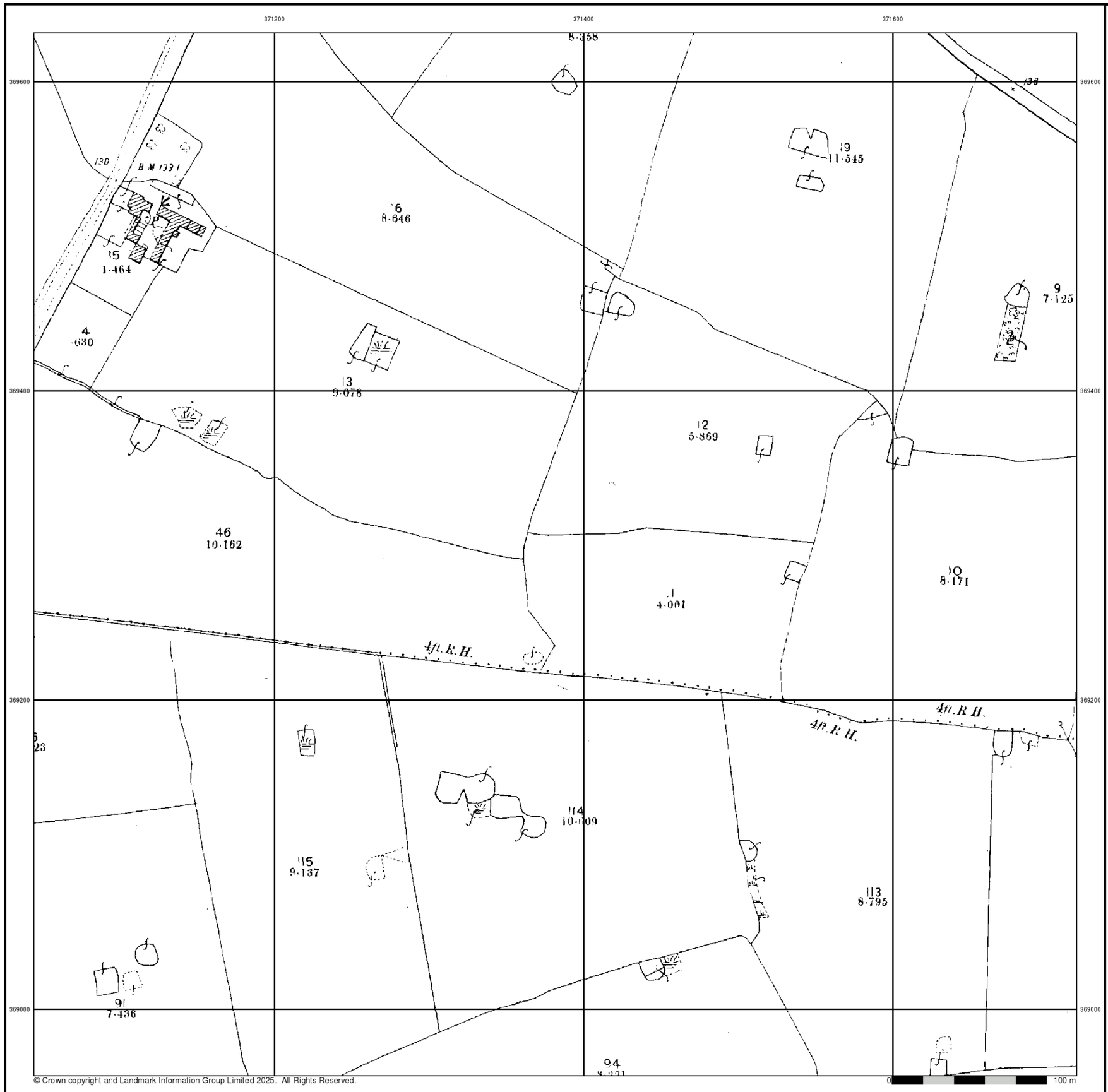

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Cheshire

Published 1898

Source map scale - 1:2,500

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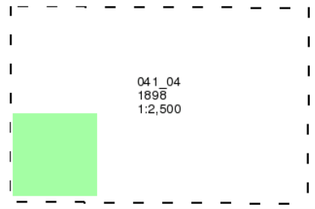
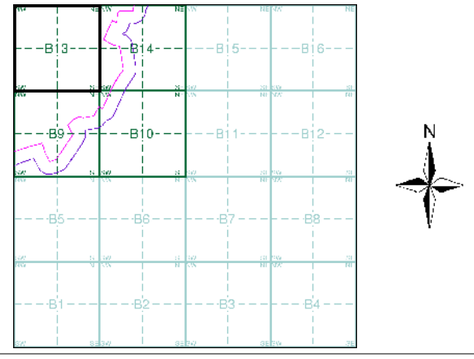


Historical Map - Segment B13



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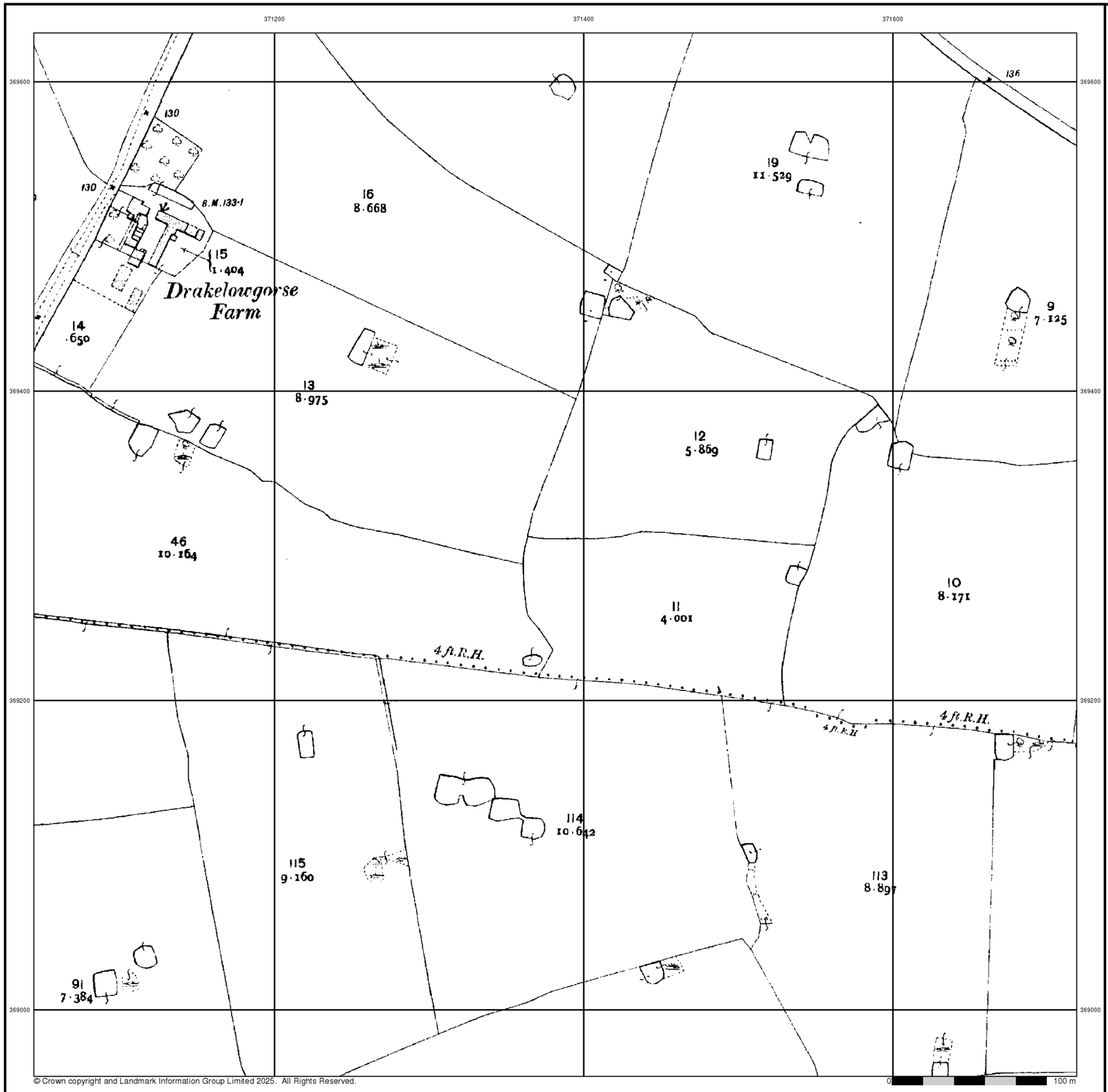

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Cheshire

Published 1909

Source map scale - 1:2,500

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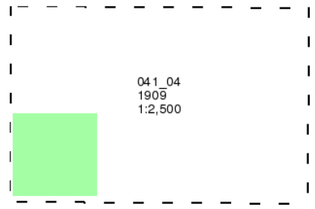
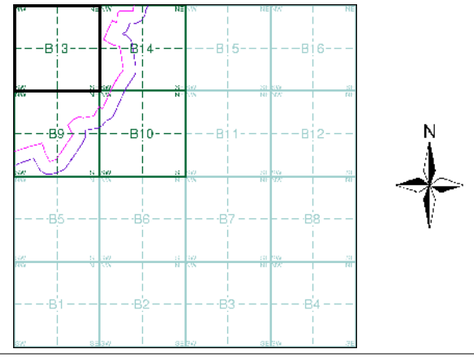


Historical Map - Segment B13



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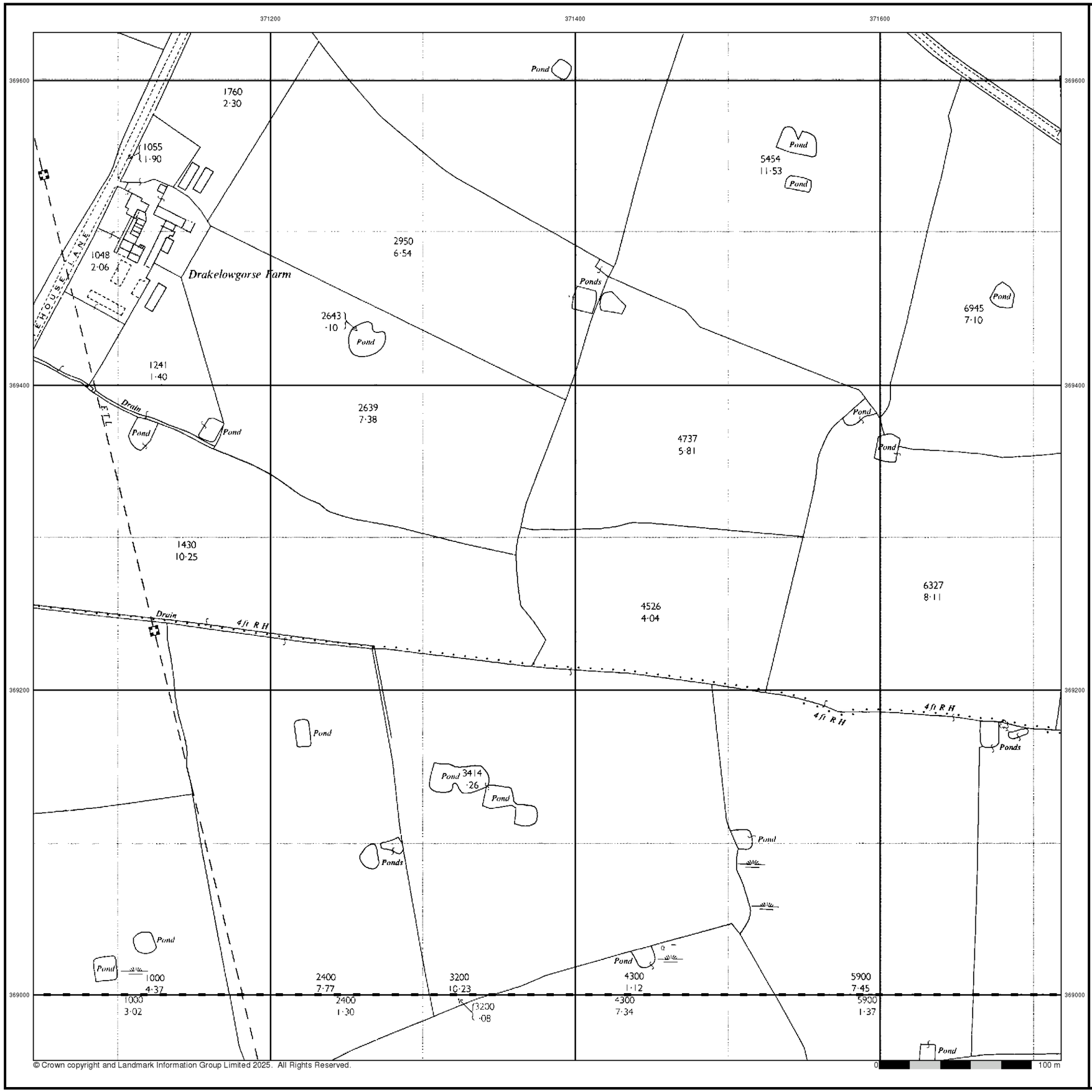

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Ordnance Survey Plan

Published 1968

Source map scale - 1:2,500

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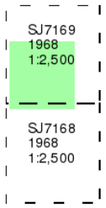
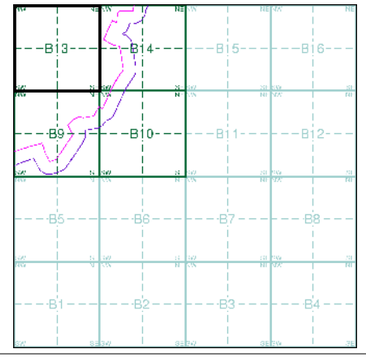


Historical Map - Segment B13



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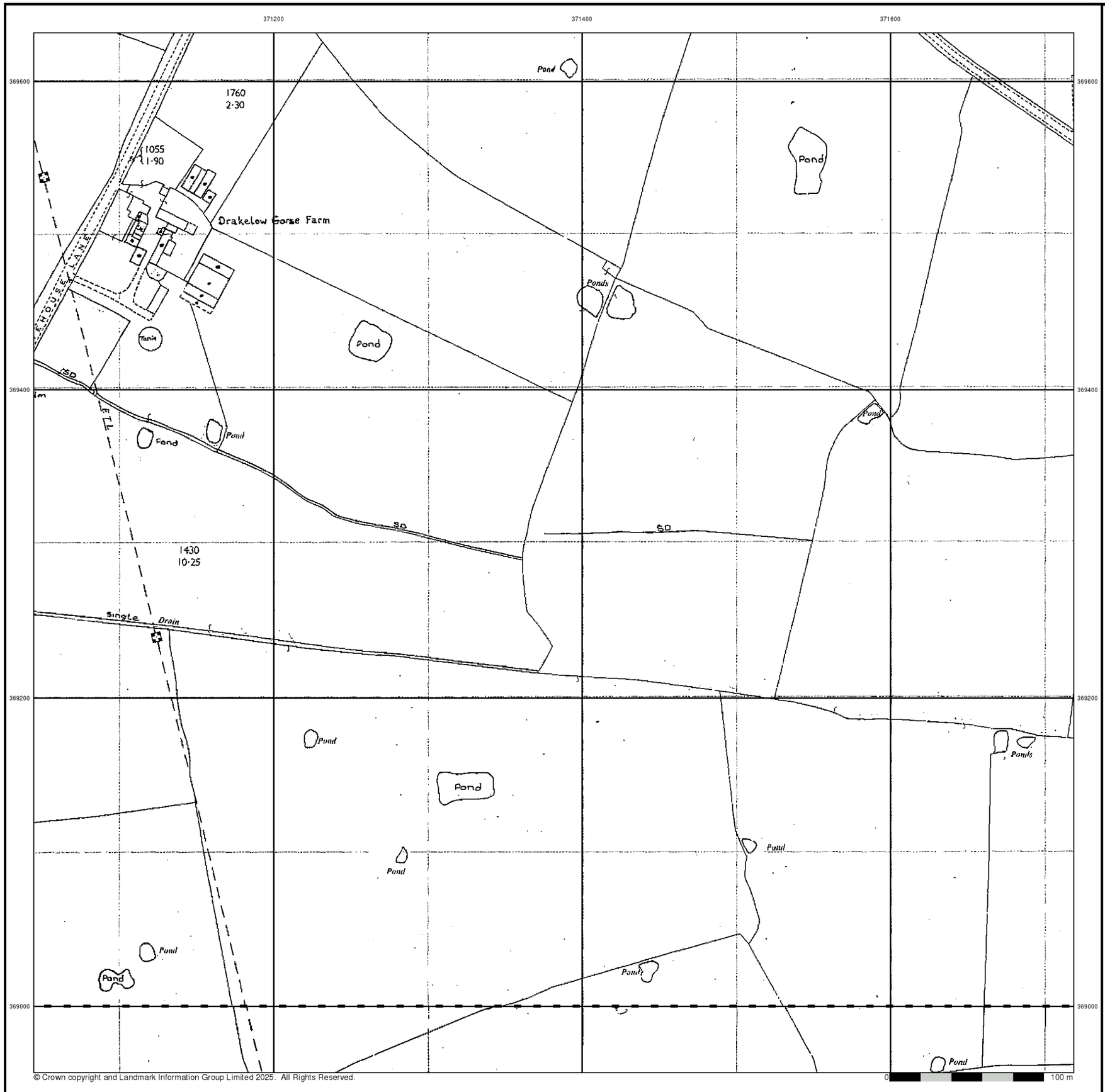

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Additional SIMs

Published 1988

Source map scale - 1:2,500

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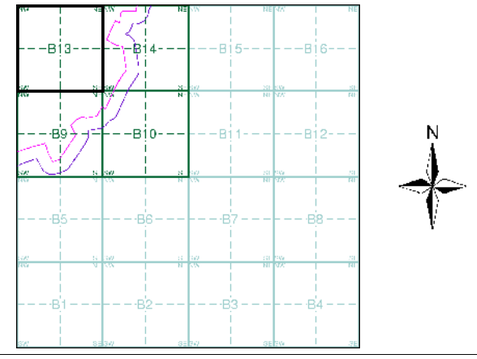
Map Name(s) and Date(s)

SJ7169
1988
1:2,500

SJ7168
1988
1:2,500

Historical Map - Segment B13



Order Details

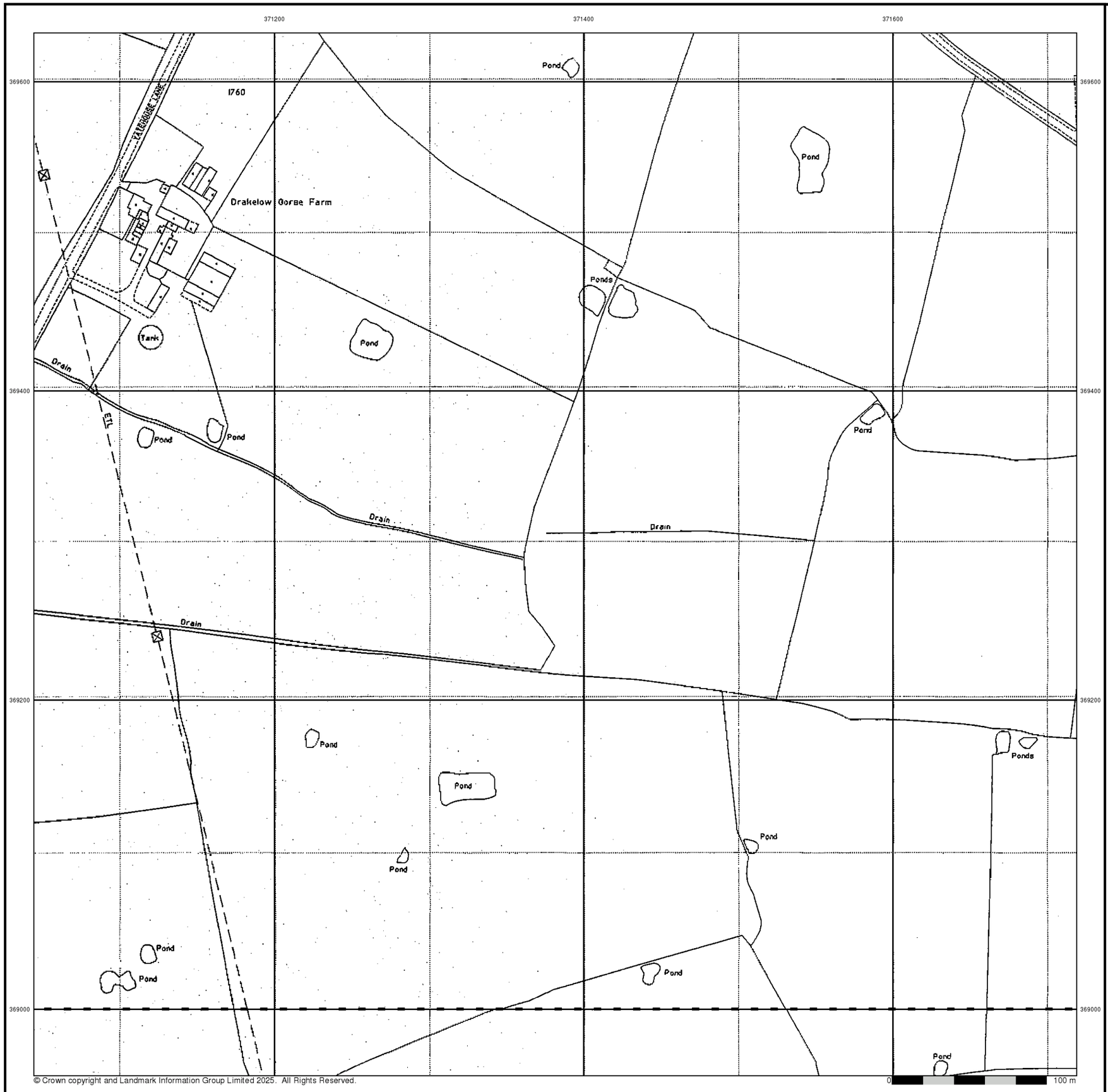
Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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



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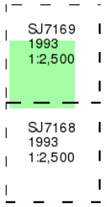
Large-Scale National Grid Data

Published 1993

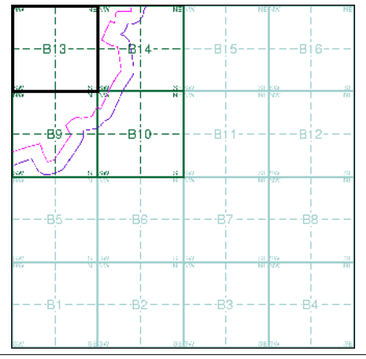
Source map scale - 1:2,500

'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 B13



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Slice:	B
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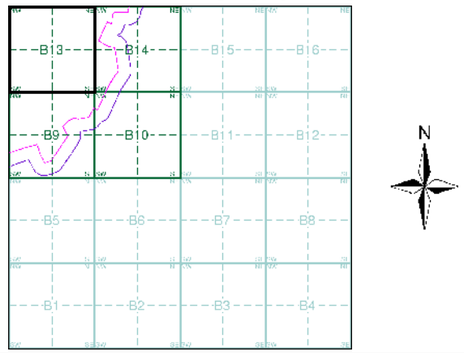
Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment B13



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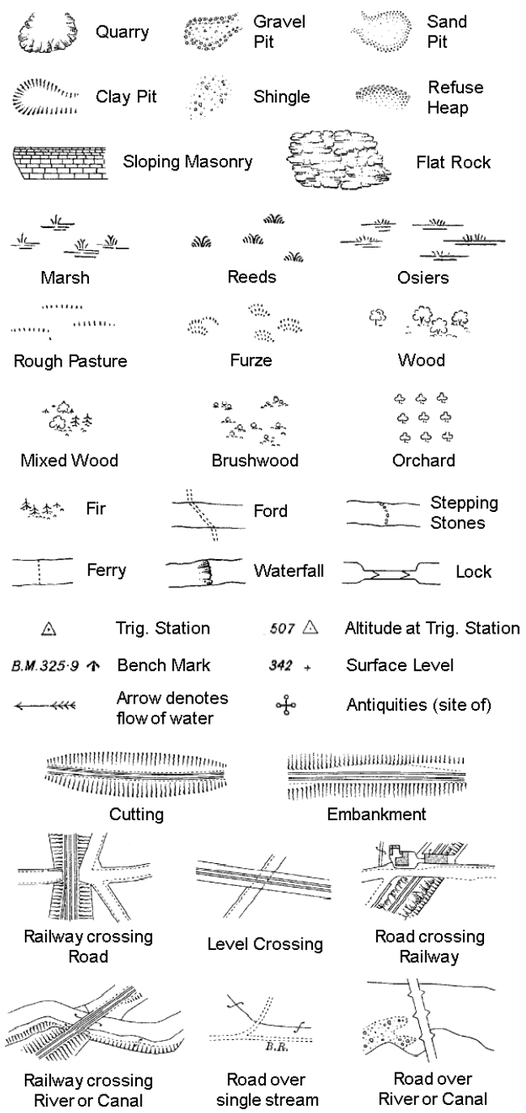
Historical Mapping Legends

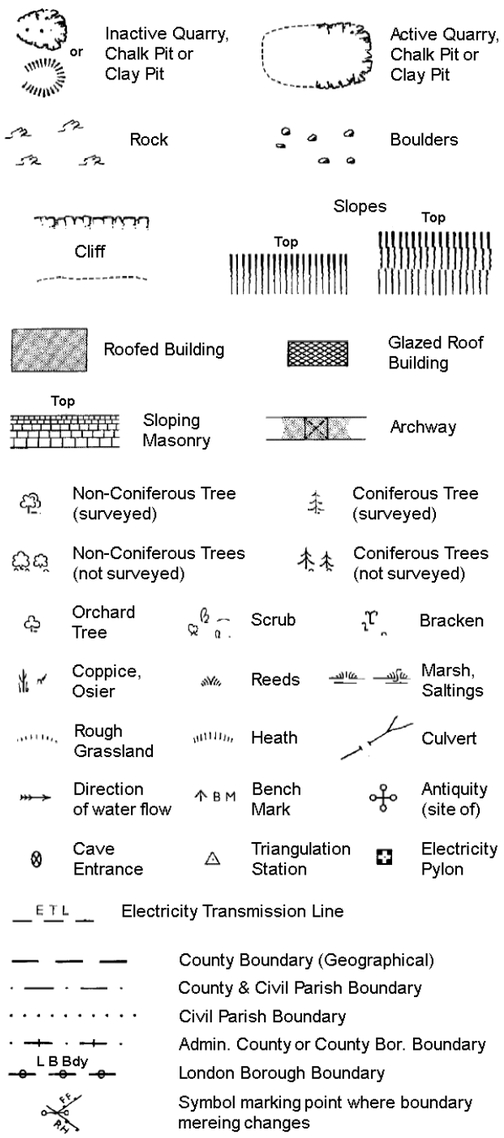
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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

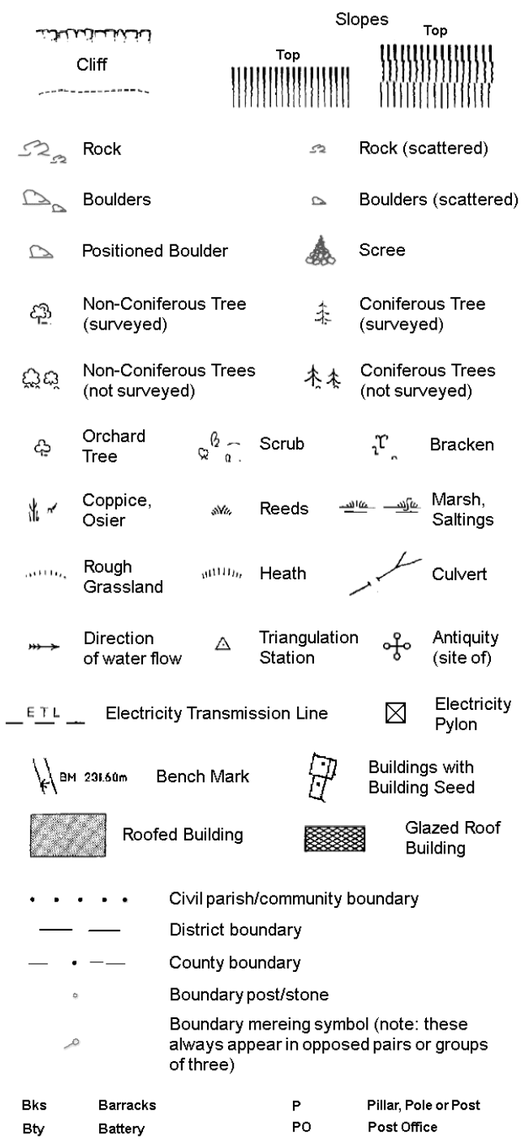
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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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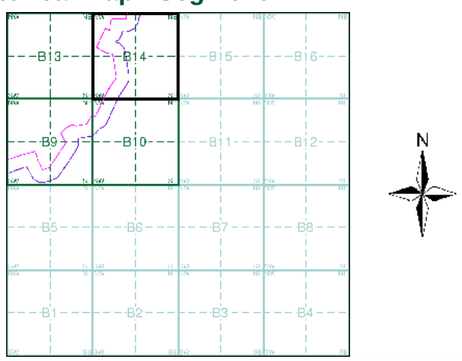
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:2,500	1875	2
Cheshire	1:2,500	1898	3
Cheshire	1:2,500	1909	4
Ordnance Survey Plan	1:2,500	1966 - 1968	5
Additional SIMs	1:2,500	1988	6
Large-Scale National Grid Data	1:2,500	1993	7
Historical Aerial Photography	1:2,500	2000	8

Historical Map - Segment B14



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Search Buffer (m): 100

Site Details

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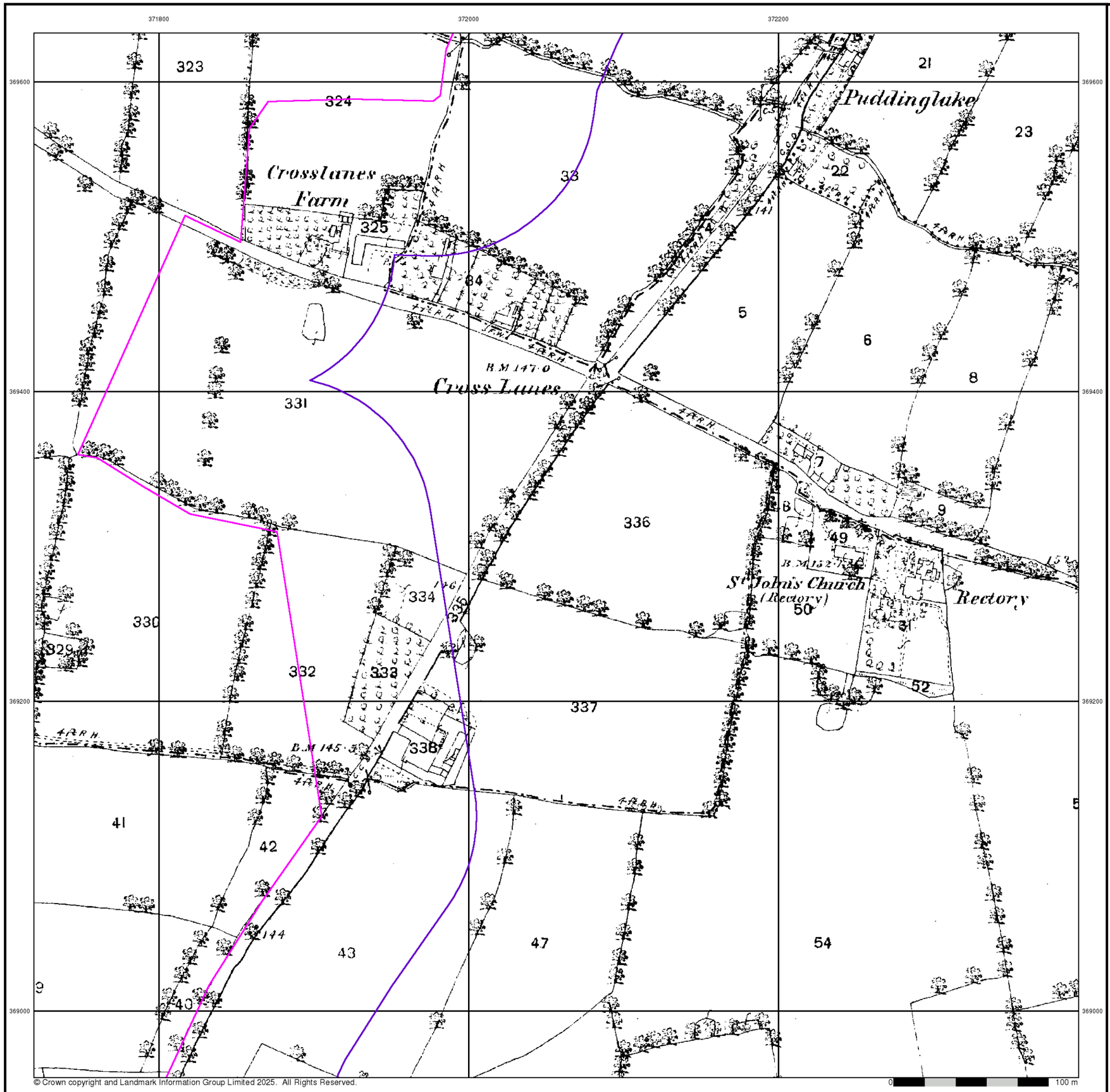

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Cheshire

Published 1875

Source map scale - 1:2,500

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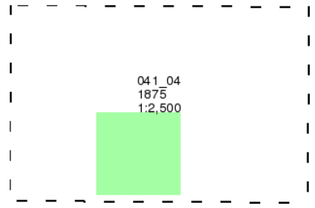
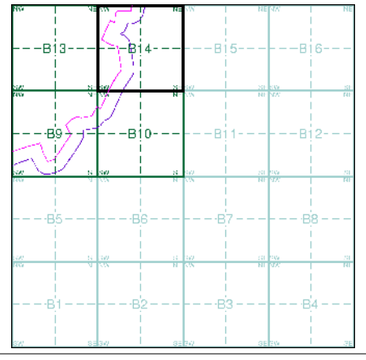


Historical Map - Segment B14



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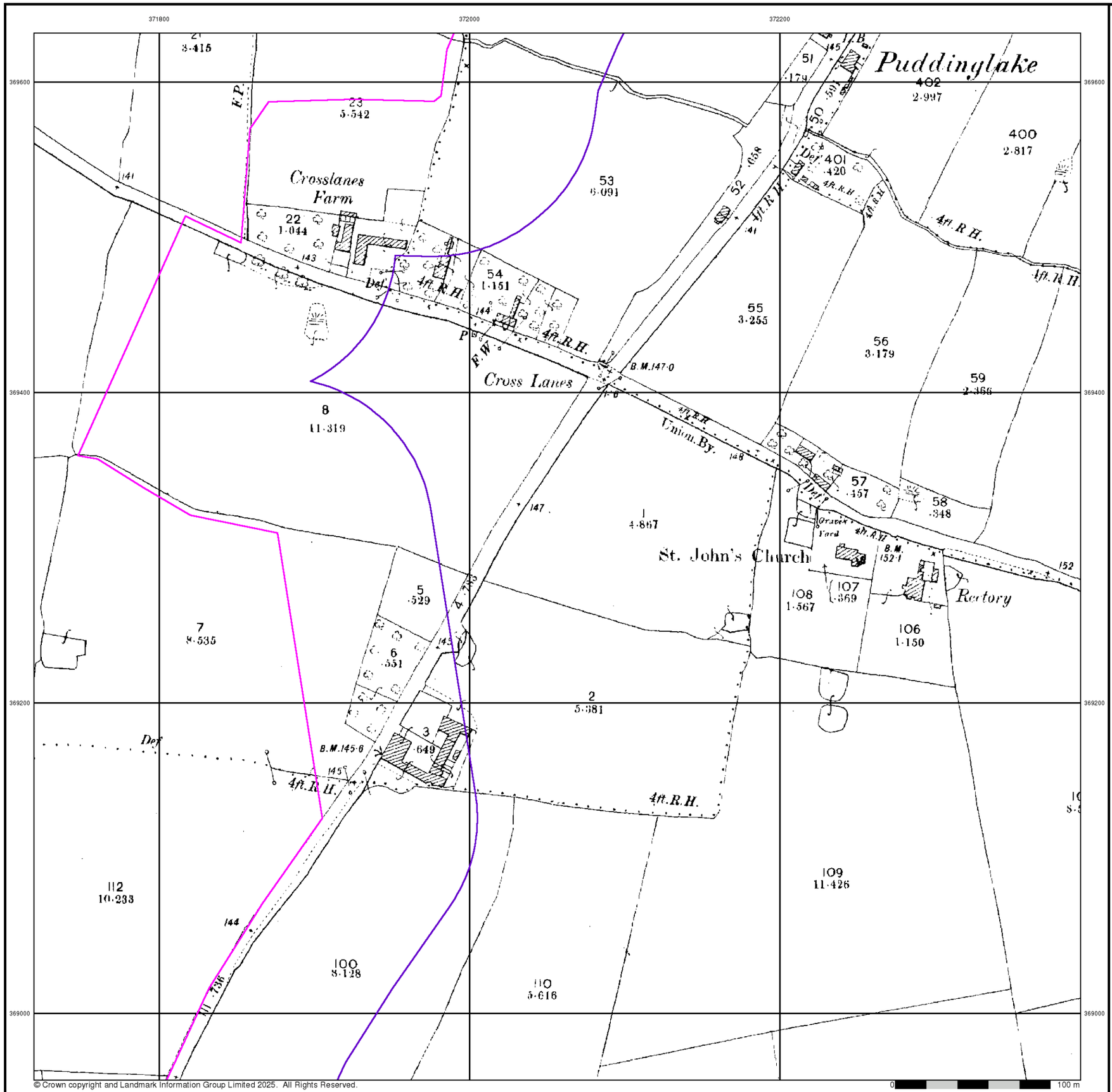
371800
372000
372200
369600
369400
369200
369000
Puddinglake
Crosslanes Farm
Cross Lanes
St. John's Church
Rectory
Union By.
Grave Yard
4ft. R.H.
F.P.
Def.
B.M.147·0
B.M.145·6
B.M. 152·1
1 T.B.
1 P.
1 P.W.
1 W.
1 M.S.
1 M.
1 Mkd.
1 Mkd. Post
1 Mkd. Stone
1 Sta.
1 Sta. Pole
1 Sta. Stone
1 Sta. Wall
1 Sta. Wood
1 Sta. Iron
1 Sta. Brick
1 Sta. Metal
1 Sta. Concrete
1 Sta. Plastic
1 Sta. Rubber
1 Sta. Glass
1 Sta. Paper
1 Sta. Cardboard
1 Sta. Fabric
1 Sta. Leather
1 Sta. Textile
1 Sta. Synthetic
1 Sta. Natural
1 Sta. Organic
1 Sta. Inorganic
1 Sta. Mineral
1 Sta. Vegetable
1 Sta. Animal
1 Sta. Human
1 Sta. Machine
1 Sta. Tool
1 Sta. Weapon
1 Sta. Vehicle
1 Sta. Building
1 Sta. Structure
1 Sta. Furniture
1 Sta. Clothing
1 Sta. Food
1 Sta. Drink
1 Sta. Medicine
1 Sta. Chemical
1 Sta. Gas
1 Sta. Liquid
1 Sta. Solid
1 Sta. Plasma
1 Sta. Energy
1 Sta. Matter
1 Sta. Space
1 Sta. Time
1 Sta. Motion
1 Sta. Force
1 Sta. Mass
1 Sta. Weight
1 Sta. Volume
1 Sta. Density
1 Sta. Pressure
1 Sta. Temperature
1 Sta. Heat
1 Sta. Light
1 Sta. Sound
1 Sta. Electricity
1 Sta. Magnetism
1 Sta. Gravity
1 Sta. Nuclear
1 Sta. Quantum
1 Sta. Relativity
1 Sta. Cosmology
1 Sta. Astronomy
1 Sta. Physics
1 Sta. Chemistry
1 Sta. Biology
1 Sta. Geology
1 Sta. Meteorology
1 Sta. Oceanography
1 Sta. Ecology
1 Sta. Environmental Science
1 Sta. Sustainability
1 Sta. Conservation
1 Sta. Preservation
1 Sta. Restoration
1 Sta. Renovation
1 Sta. Demolition
1 Sta. Construction
1 Sta. Engineering
1 Sta. Architecture
1 Sta. Design
1 Sta. Art
1 Sta. Music
1 Sta. Literature
1 Sta. Poetry
1 Sta. Drama
1 Sta. Film
1 Sta. Television
1 Sta. Radio
1 Sta. Internet
1 Sta. Computer
1 Sta. Software
1 Sta. Hardware
1 Sta. Network
1 Sta. Database
1 Sta. Programming
1 Sta. Algorithm
1 Sta. Data
1 Sta. Information
1 Sta. Knowledge
1 Sta. Wisdom
1 Sta. Intelligence
1 Sta. Artificial Intelligence
1 Sta. Machine Learning
1 Sta. Deep Learning
1 Sta. Neural Network
1 Sta. Robotics
1 Sta. Automation
1 Sta. Control
1 Sta. Feedback
1 Sta. Loop
1 Sta. Sensor
1 Sta. Actuator
1 Sta. Motor
1 Sta. Generator
1 Sta. Transformer
1 Sta. Inductor
1 Sta. Capacitor
1 Sta. Resistor
1 Sta. Diode
1 Sta. Transistor
1 Sta. Integrated Circuit
1 Sta. Microprocessor
1 Sta. Microcontroller
1 Sta. Memory
1 Sta. Storage
1 Sta. Input
1 Sta. Output
1 Sta. Interface
1 Sta. Protocol
1 Sta. Standard
1 Sta. Specification
1 Sta. Requirement
1 Sta. Test
1 Sta. Verification
1 Sta. Validation
1 Sta. Quality
1 Sta. Reliability
1 Sta. Safety
1 Sta. Security
1 Sta. Privacy
1 Sta. Ethics
1 Sta. Law
1 Sta. Regulation
1 Sta. Policy
1 Sta. Governance
1 Sta. Management
1 Sta. Leadership
1 Sta. Organization
1 Sta. Team
1 Sta. Project
1 Sta. Process
1 Sta. Method
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1 Sta. Technique
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1 Sta. Collaboration
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1 Sta. Performance
1 Sta. Reward
1 Sta. Recognition
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1 Sta. Coaching
1 Sta. Mentoring
1 Sta. Supervision
1 Sta. Delegation
1 Sta. Empowerment
1 Sta. Accountability
1 Sta. Responsibility
1 Sta. Authority
1 Sta. Power
1 Sta. Influence
1 Sta. Politics
1 Sta. Economics
1 Sta. Finance
1 Sta. Accounting
1 Sta. Marketing
1 Sta. Sales
1 Sta. Customer
1 Sta. Service
1 Sta. Support
1 Sta. Maintenance
1 Sta. Repair
1 Sta. Upgrade
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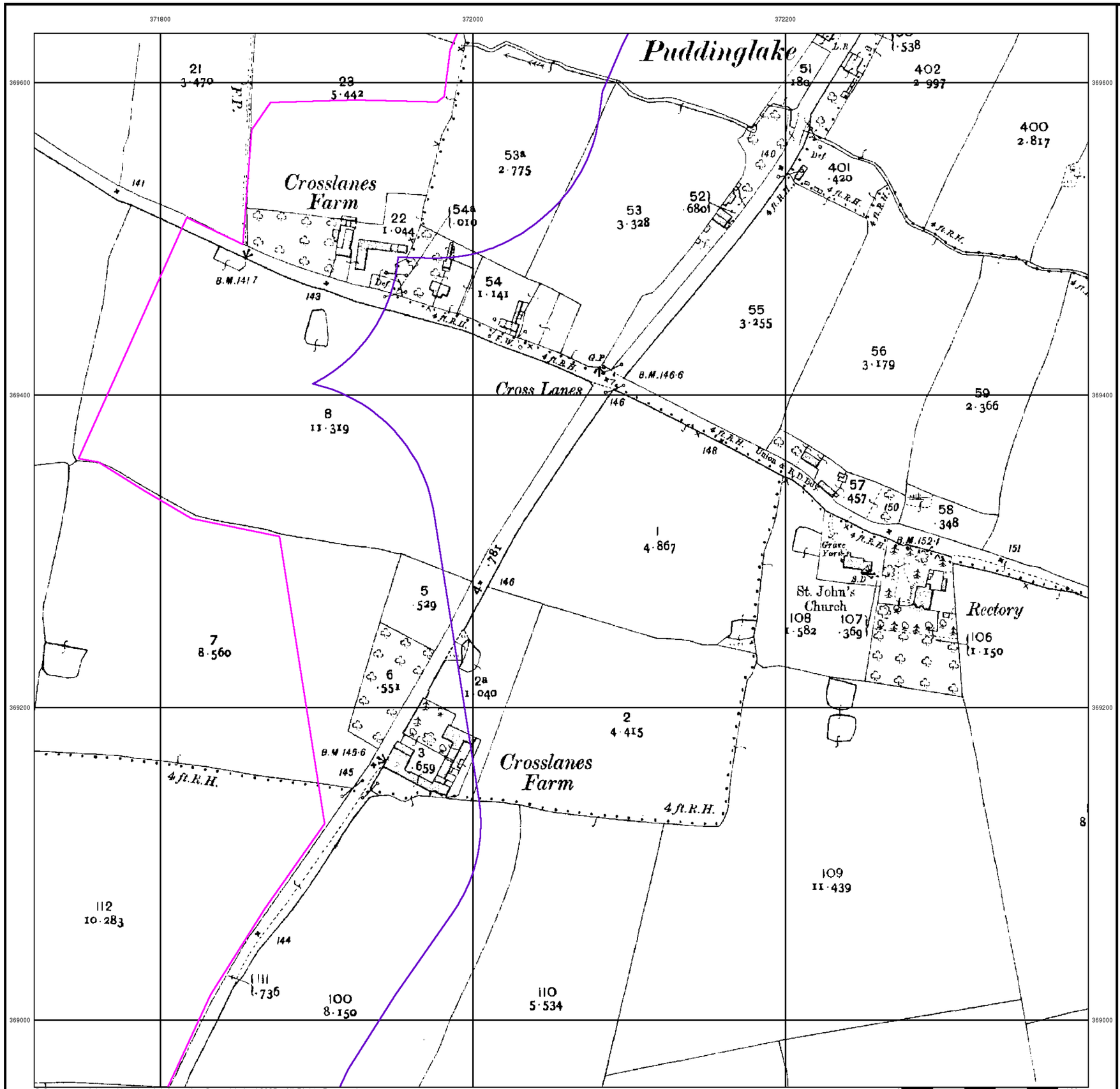
1 Sta. Resilience



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Cheshire

Published 1909

Source map scale - 1:2,500

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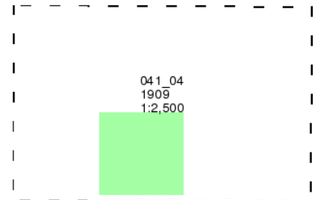
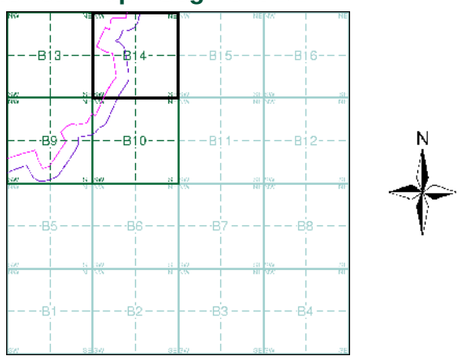


Historical Map - Segment B14



Order Details

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Site Details

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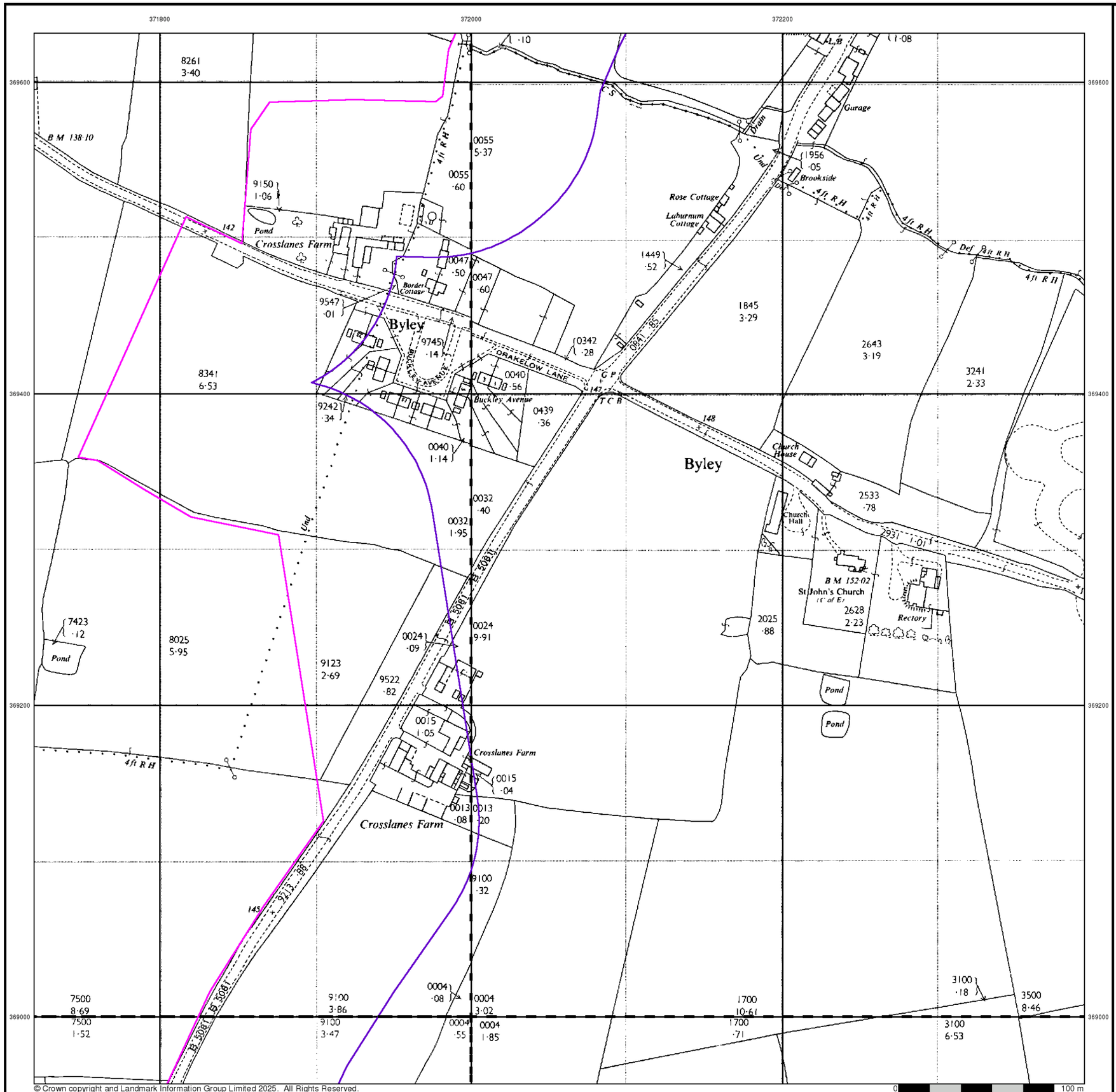

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Ordnance Survey Plan

Published 1966 - 1968

Source map scale - 1:2,500

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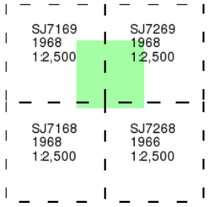
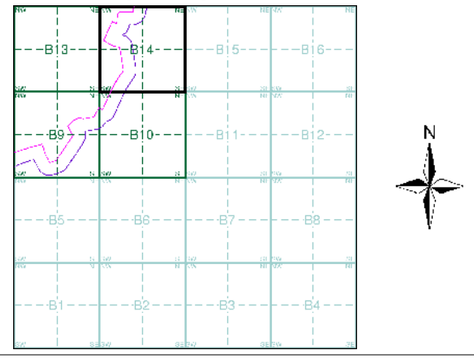


Historical Map - Segment B14



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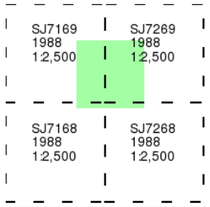
Additional SIMs

Published 1988

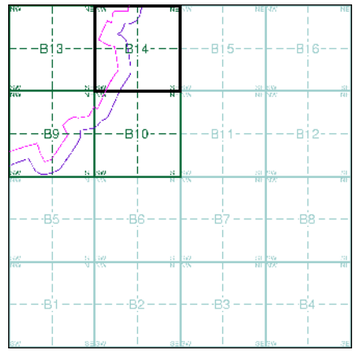
Source map scale - 1:2,500

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 B14



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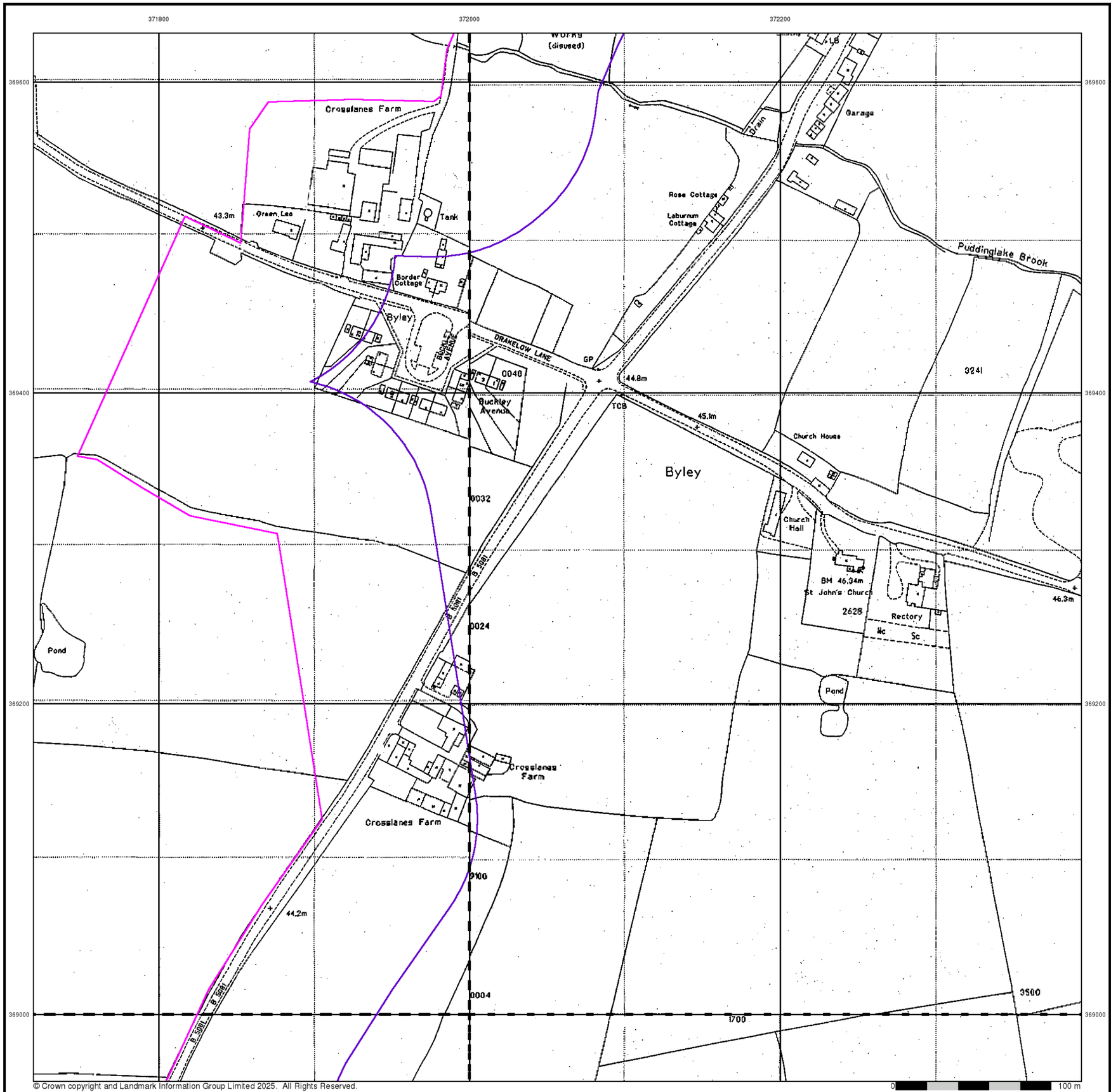

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Large-Scale National Grid Data

Published 1993

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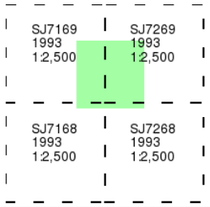
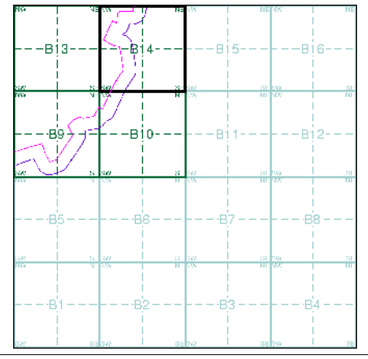


Historical Map - Segment B14



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	100

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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

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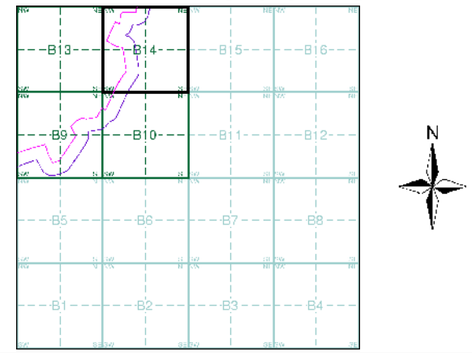
Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment B14



Order Details

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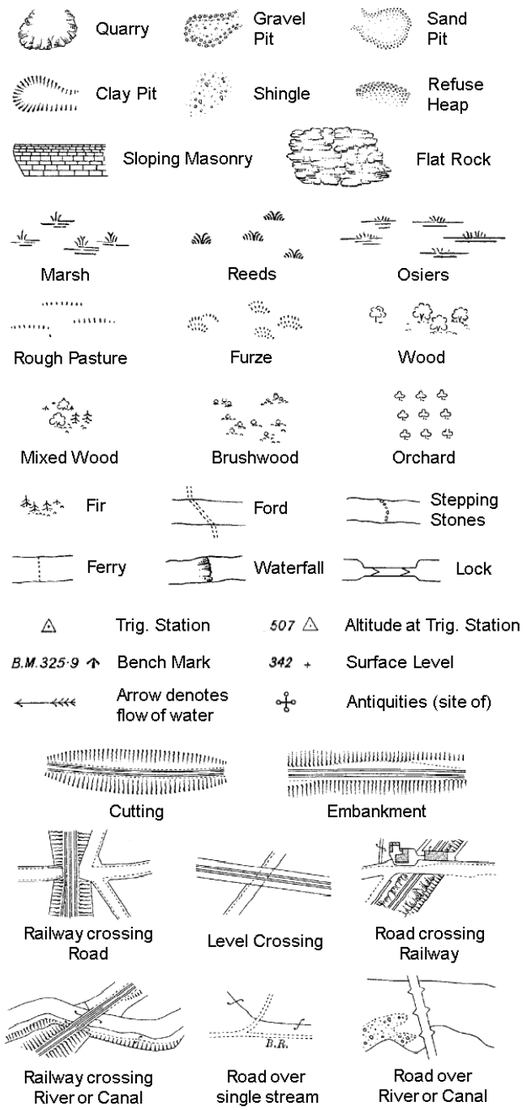
Historical Mapping Legends

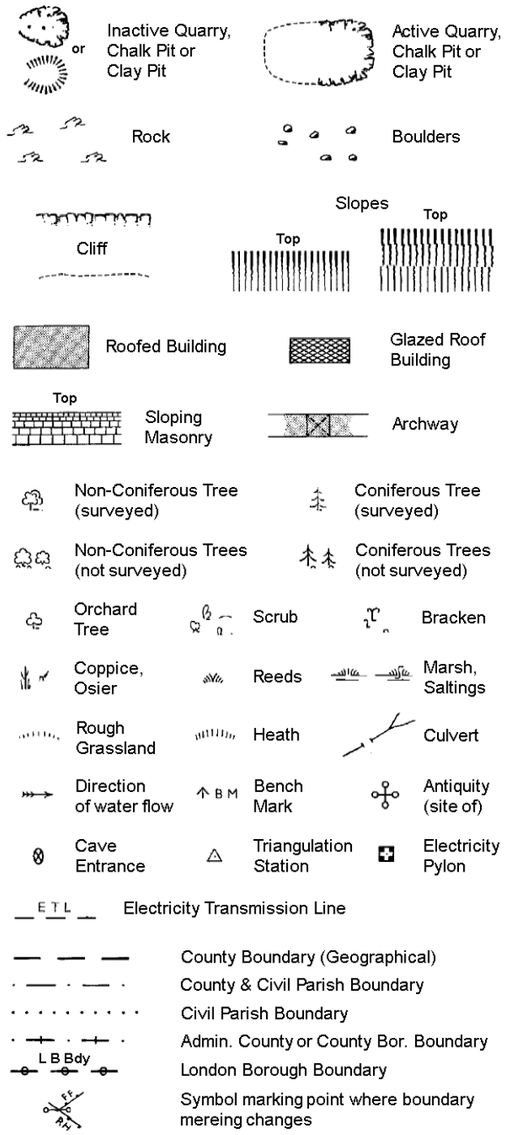
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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	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

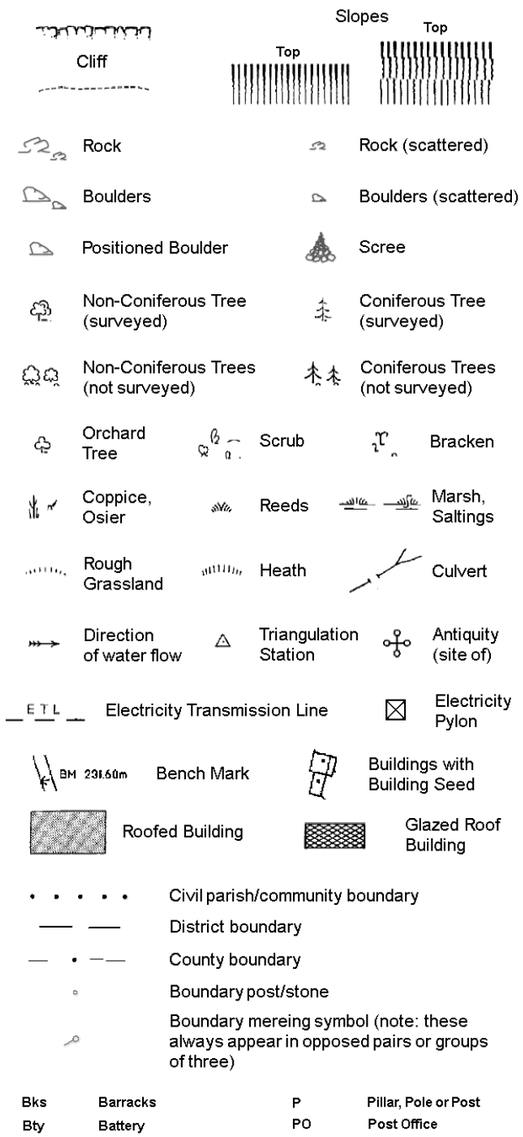
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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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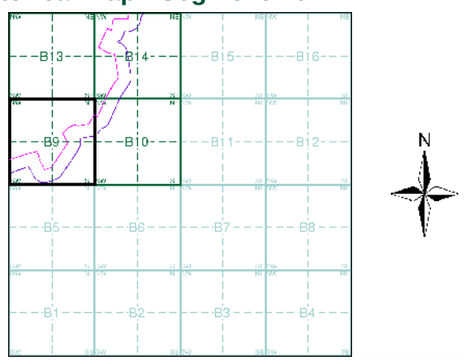
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:2,500	1875	2
Cheshire	1:2,500	1898	3
Cheshire	1:2,500	1909	4
Ordnance Survey Plan	1:2,500	1968	5
Additional SIMs	1:2,500	1988	6
Large-Scale National Grid Data	1:2,500	1993	7
Historical Aerial Photography	1:2,500	2000	8

Historical Map - Segment B9



Order Details

Order Number: 381333716_1_1
Customer Ref: Keuper Hydrogen - ERM ref. 0755727
National Grid Reference: 371880, 368680
Slice: B
Site Area (Ha): 357.89
Search Buffer (m): 100

Site Details

Site at, Byley, Cheshire West & Chester

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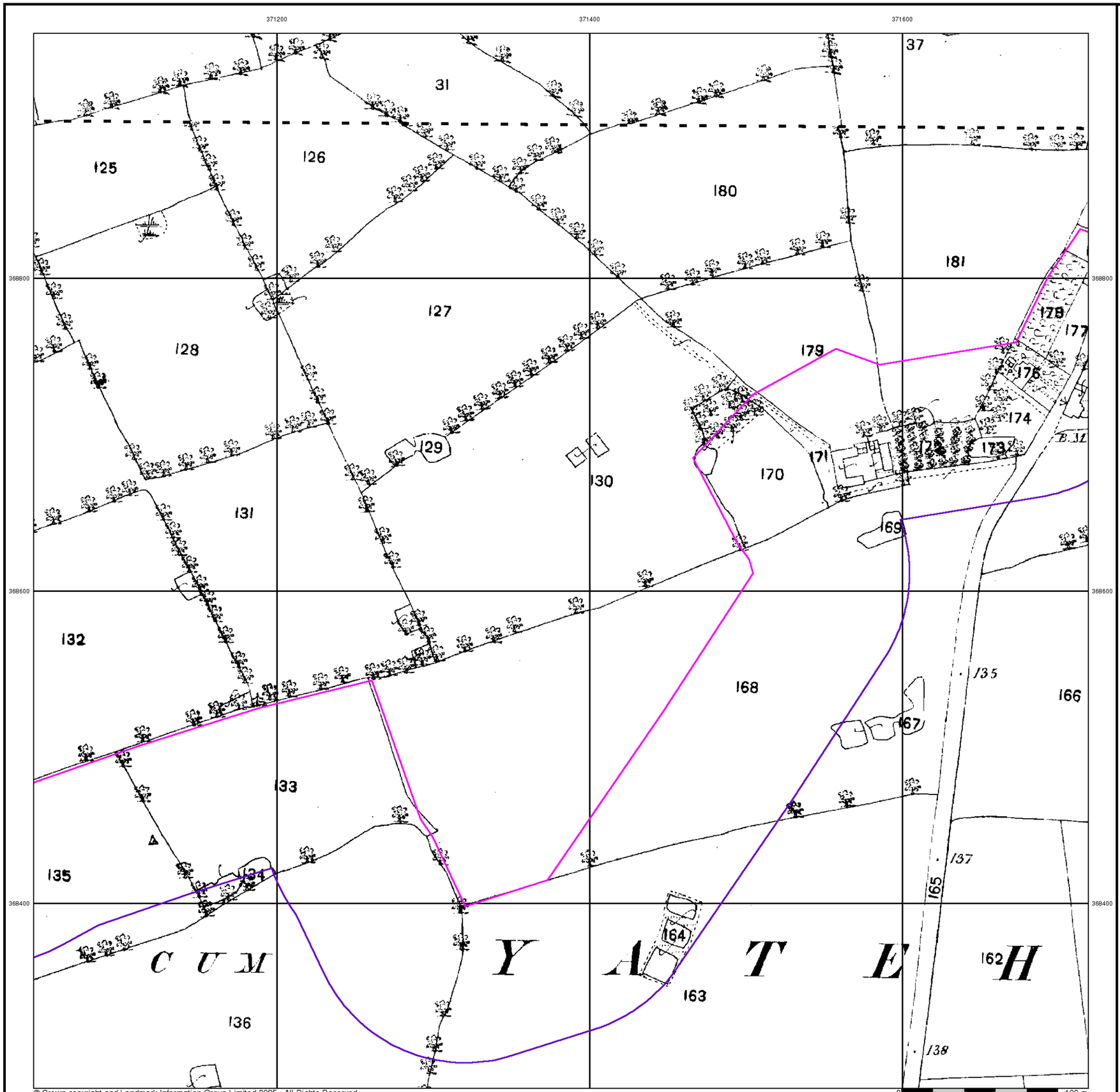

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Cheshire

Published 1875

Source map scale - 1:2,500

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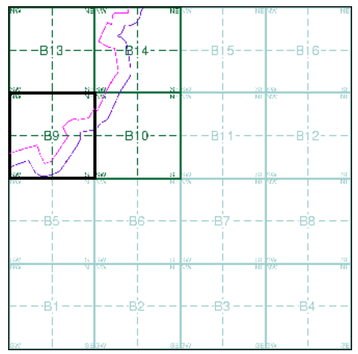
Map Name(s) and Date(s)

041_04
1875
1:2,500

041_08
1875
1:2,500

Historical Map - Segment B9



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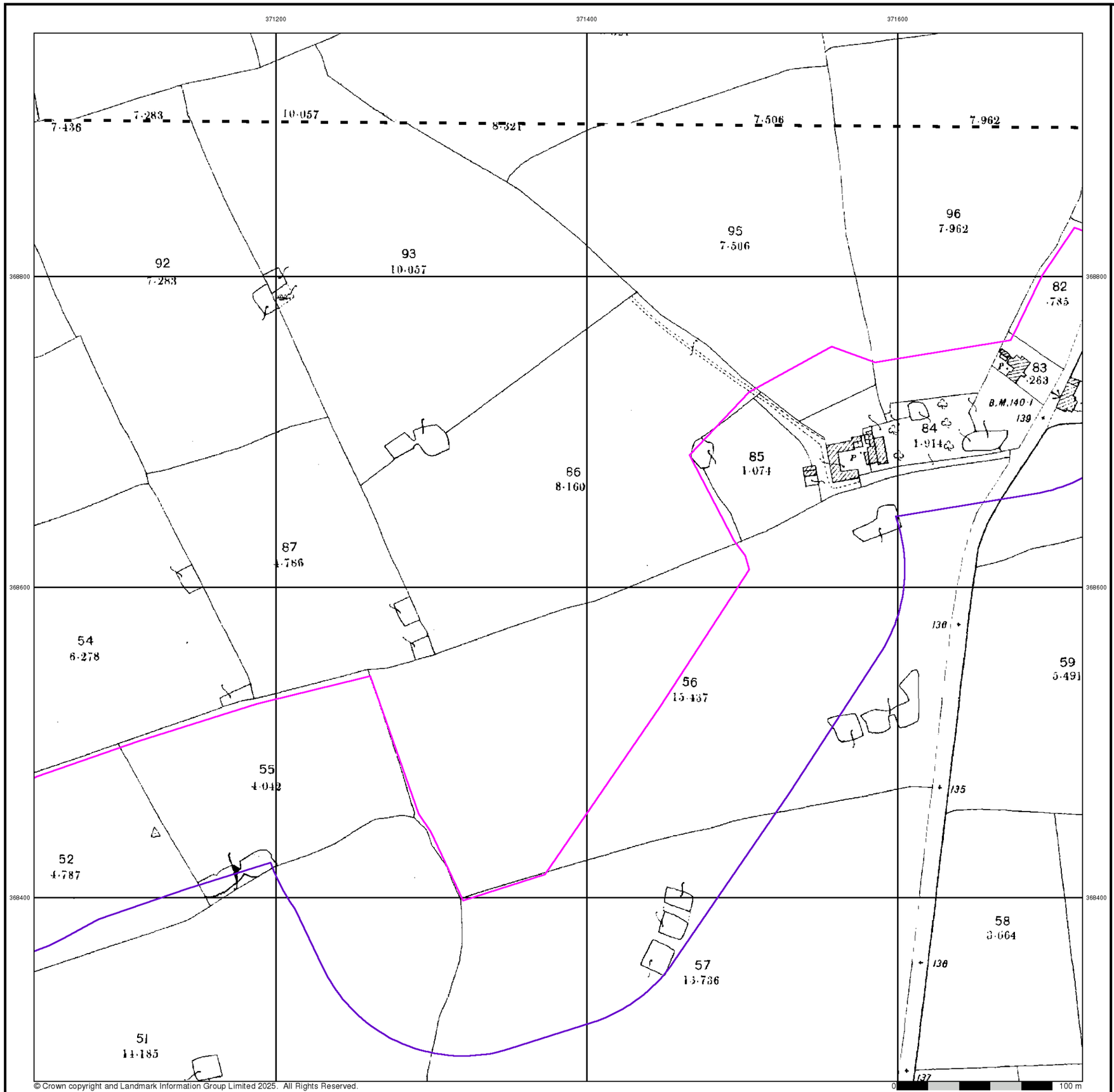

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Cheshire

Published 1898

Source map scale - 1:2,500

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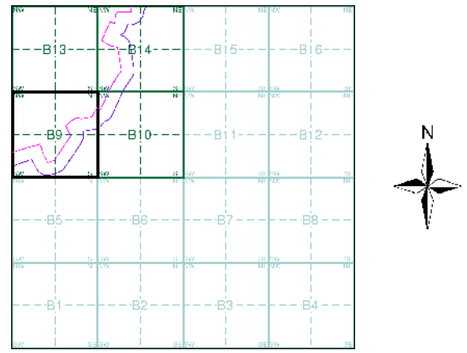
Map Name(s) and Date(s)

041_04
1898
1:2,500

041_08
1898
1:2,500

Historical Map - Segment B9



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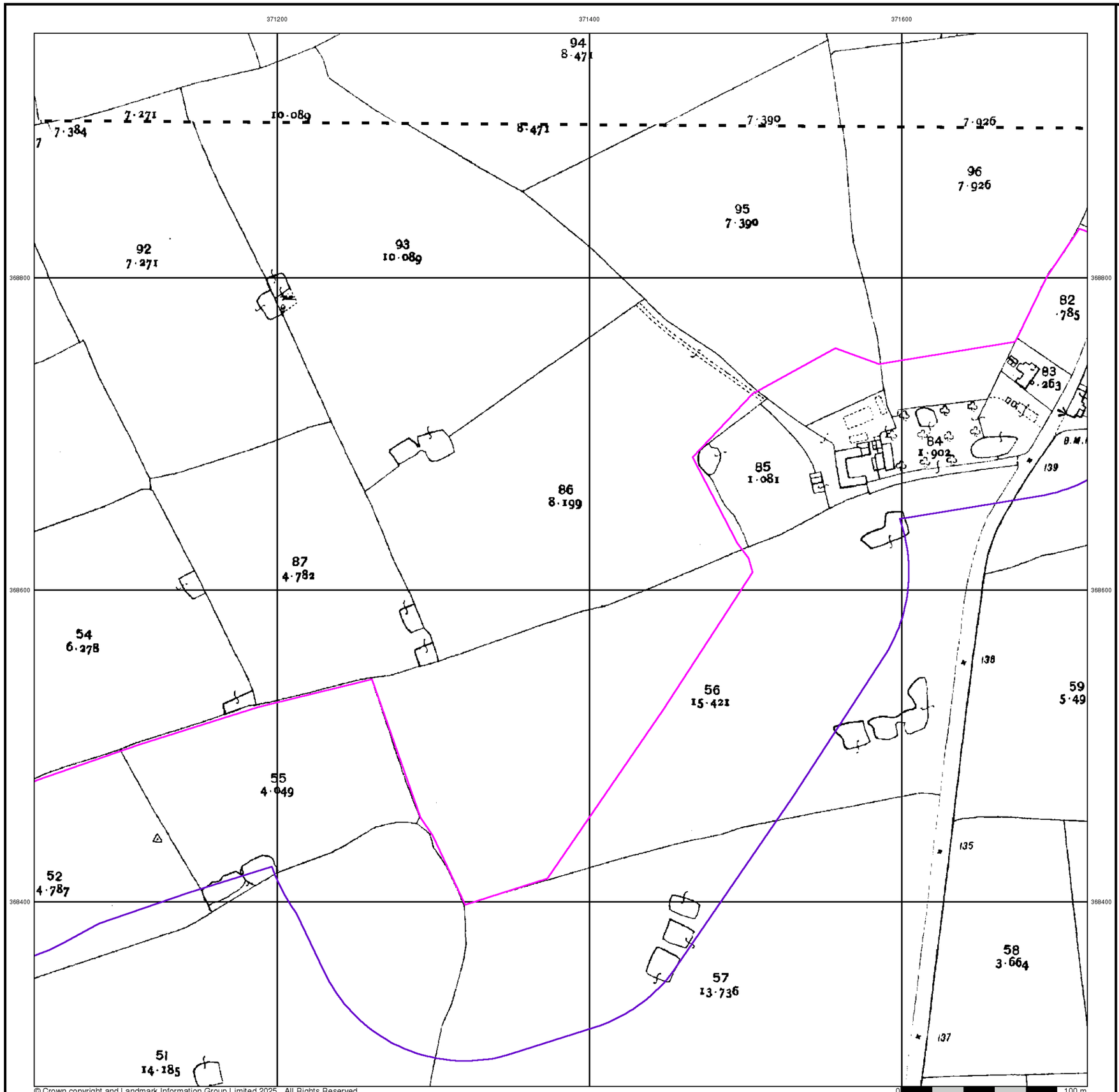

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Cheshire

Published 1909

Source map scale - 1:2,500

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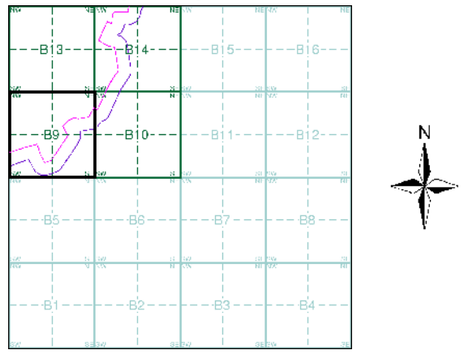
Map Name(s) and Date(s)

041_04
1909
1:2,500

041_08
1909
1:2,500

Historical Map - Segment B9



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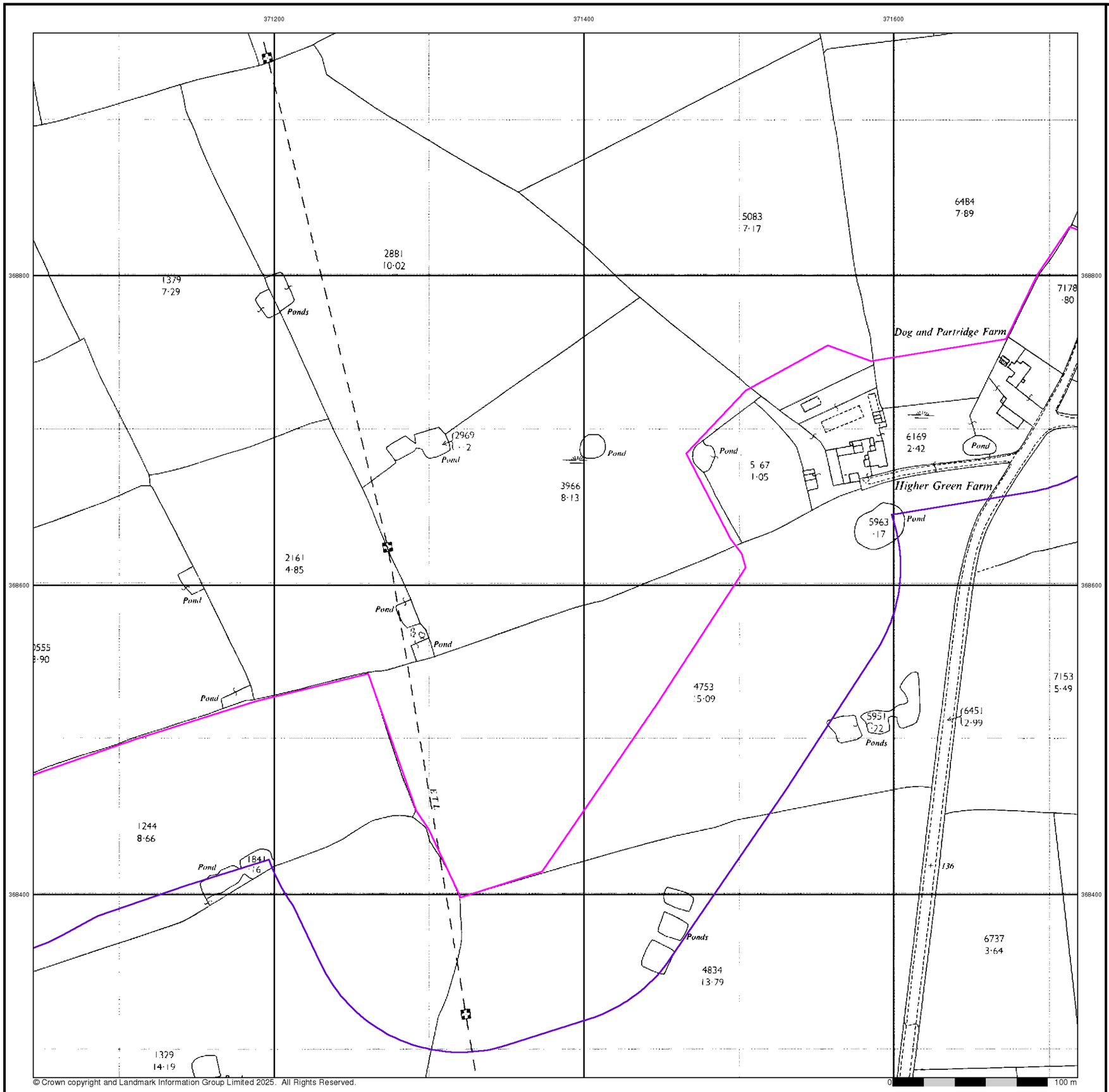

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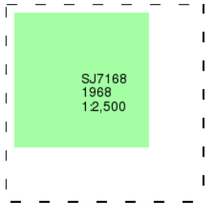
Ordnance Survey Plan

Published 1968

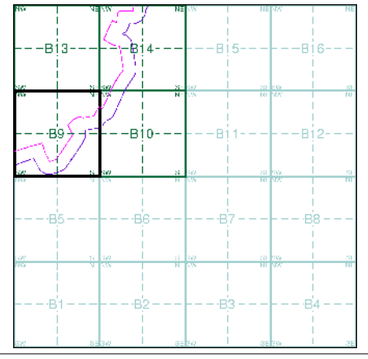
Source map scale - 1:2,500

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 B9



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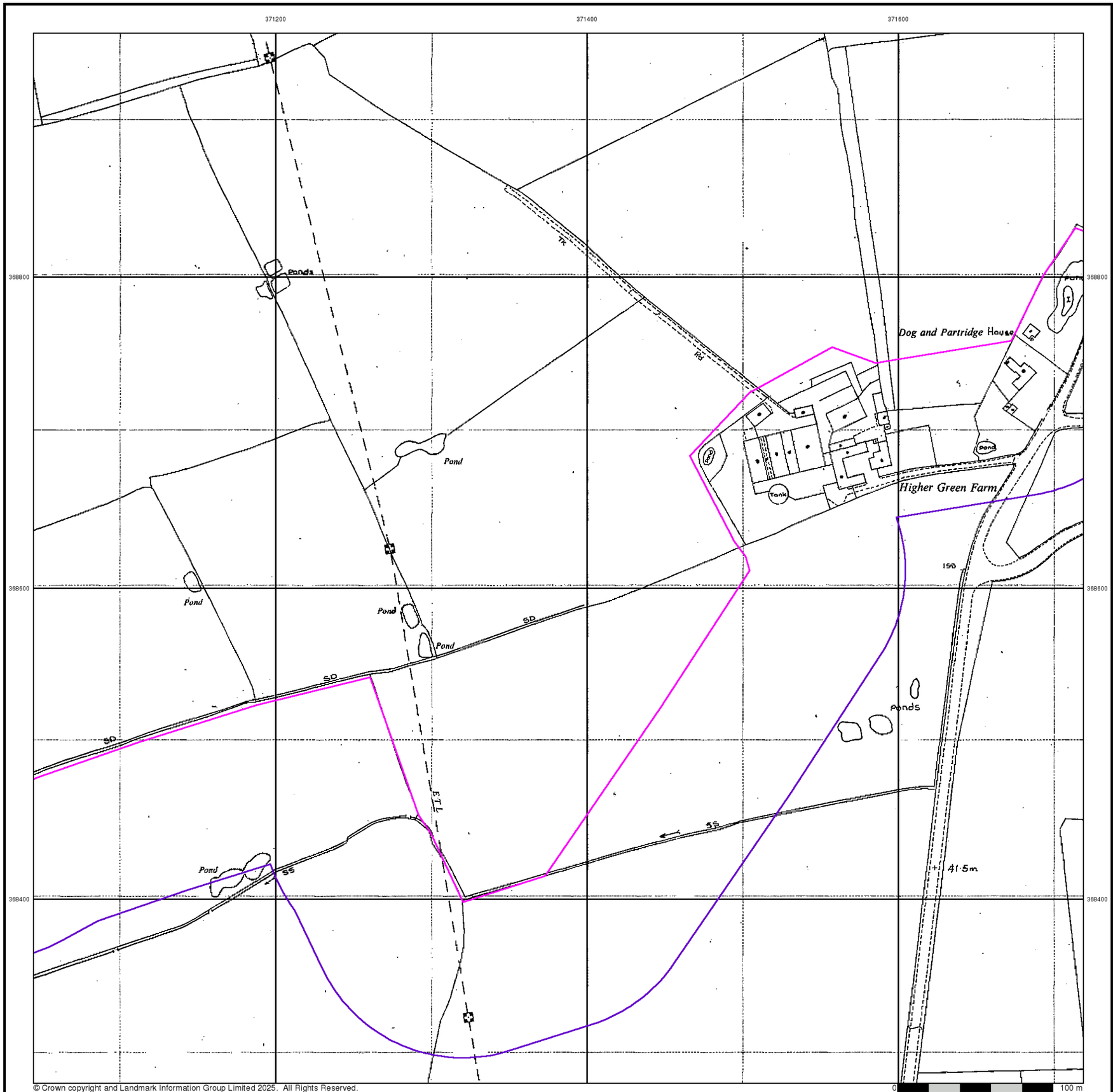

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Additional SIMs

Published 1988

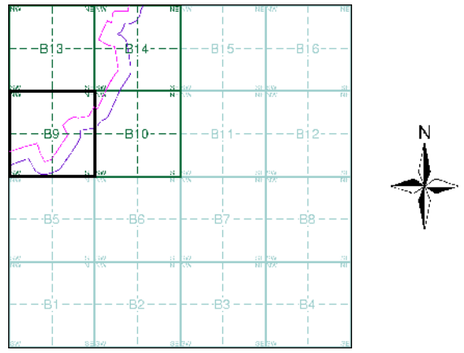
Source map scale - 1:2,500

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)

SJ7168
1988
1:2,500

Historical Map - Segment B9



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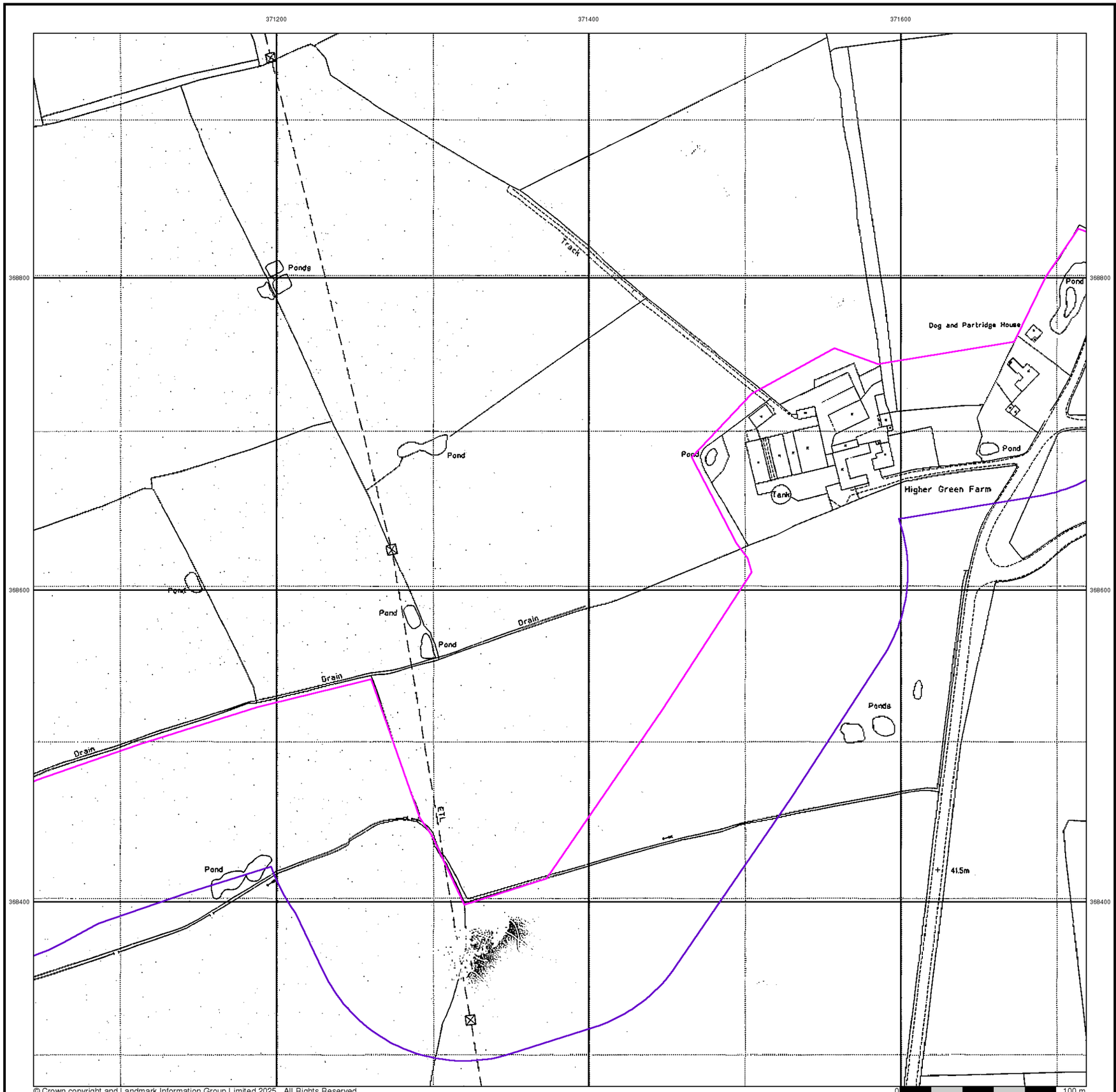

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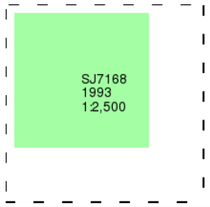
Large-Scale National Grid Data

Published 1993

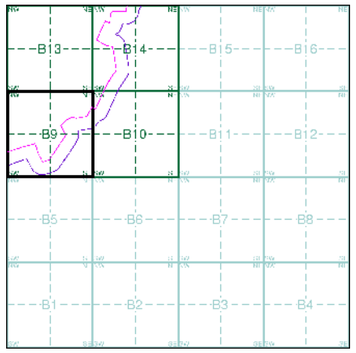
Source map scale - 1:2,500

'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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National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
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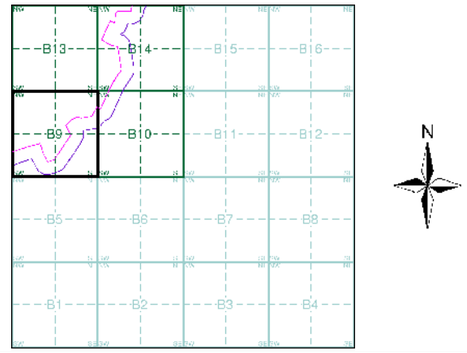
Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment B9



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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

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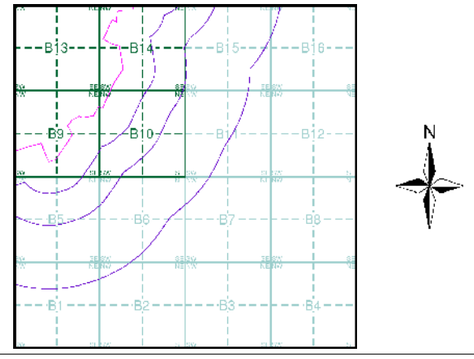
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:10,560	1882	2
Cheshire	1:10,560	1899	3
Cheshire	1:10,560	1910 - 1911	4
Cheshire	1:10,560	1938	5
Ordnance Survey Plan	1:10,000	1954	6
Ordnance Survey Plan	1:10,000	1969	7
Ordnance Survey Plan	1:10,000	1971	8
Ordnance Survey Plan	1:10,000	1988	9
10K Raster Mapping	1:10,000	1999	10
10K Raster Mapping	1:10,000	2006	11
VectorMap Local	1:10,000	2025	12

Historical Map - Slice B



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Site Details

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Fax: 0844 844 9951
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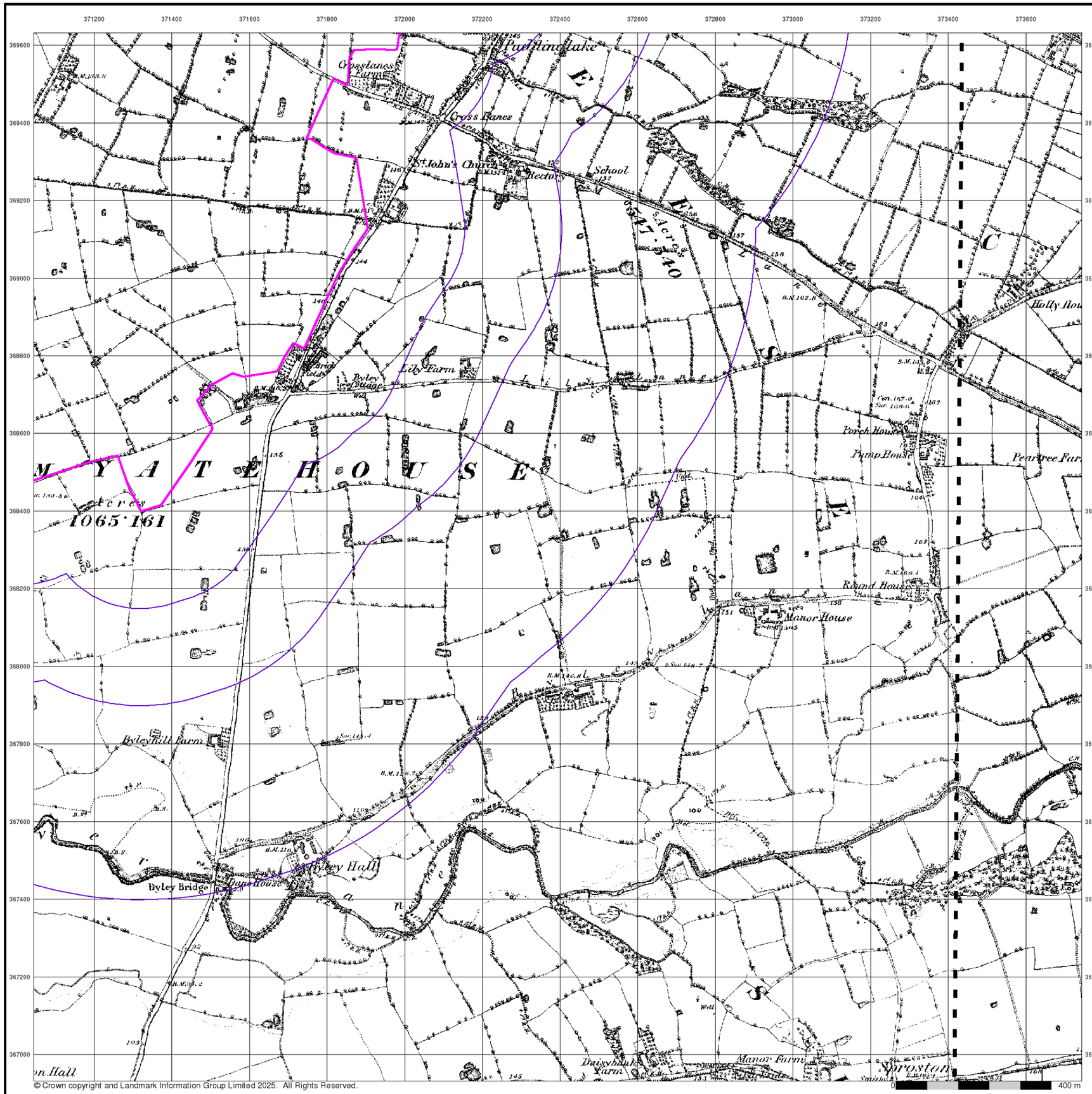

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Cheshire

Published 1882

Source map scale - 1:10,560

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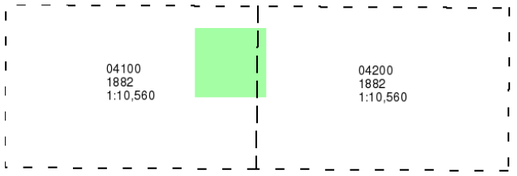
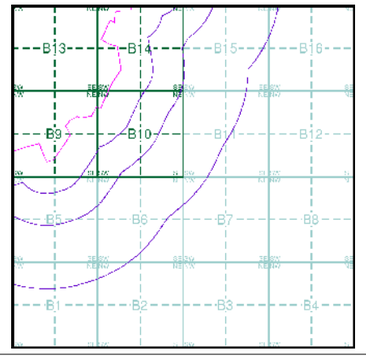
Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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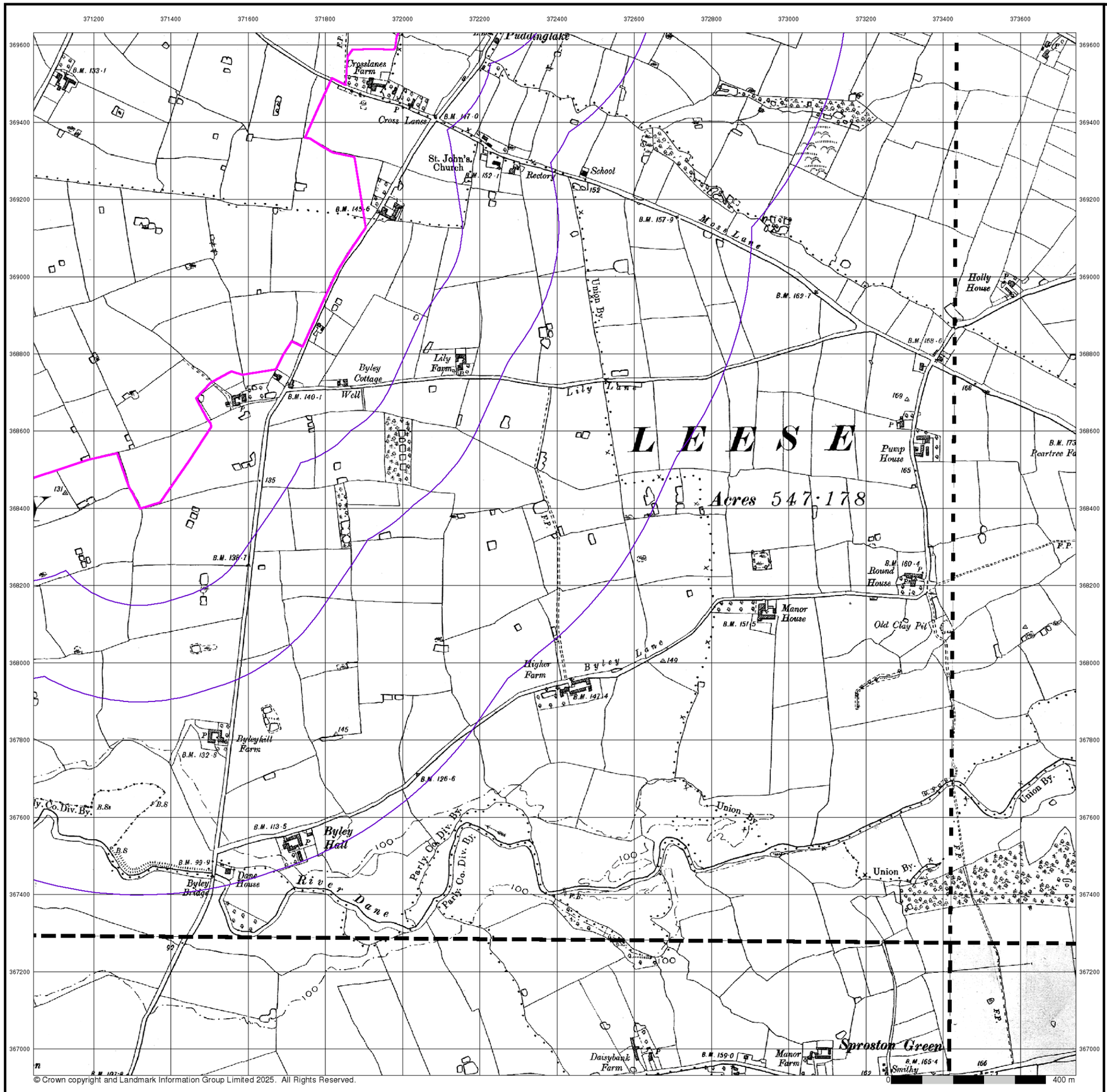

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Cheshire

Published 1899

Source map scale - 1:10,560

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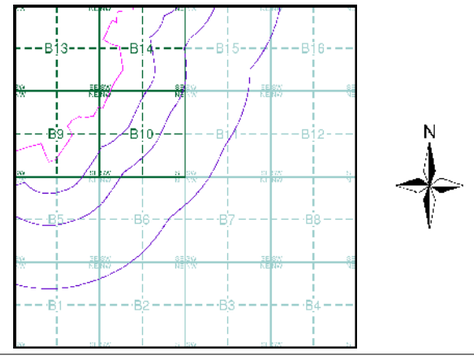
Map Name(s) and Date(s)

041NE 1899 1:10,560	042NW 1899 1:10,560
041SE 1899 1:10,560	042SW 1899 1:10,560

Historical Map - Slice B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

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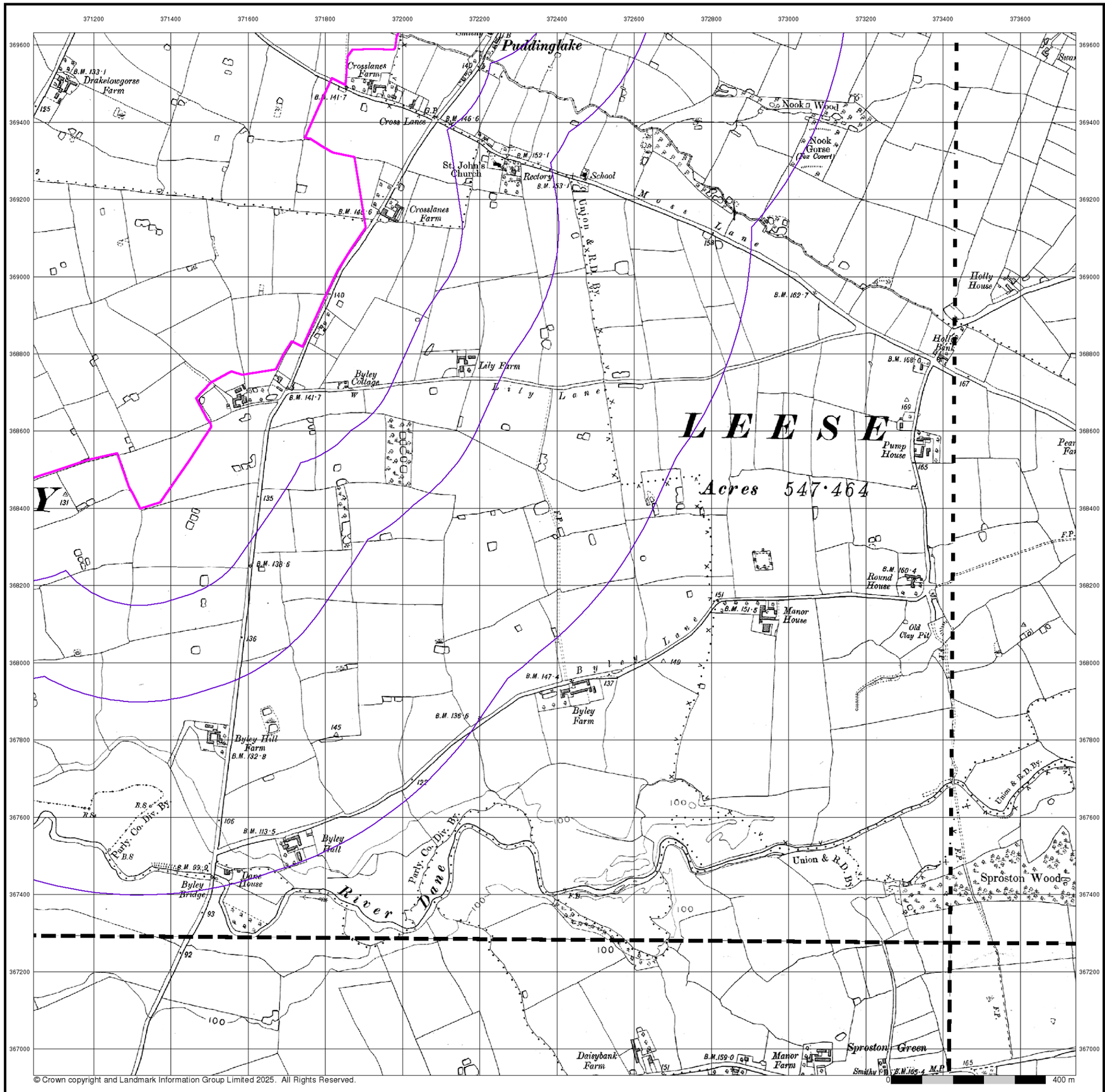

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Cheshire

Published 1910 - 1911

Source map scale - 1:10,560

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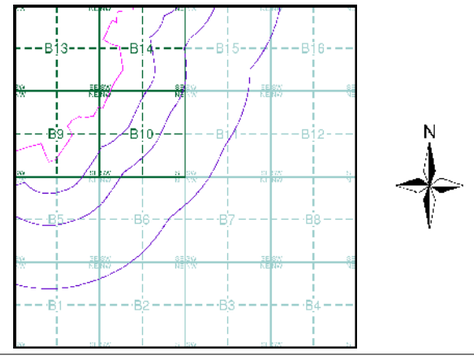
Map Name(s) and Date(s)

041NE 1911 1:10,560	042NW 1911 1:10,560
041SE 1911 1:10,560	042SW 1910 1:10,560

Historical Map - Slice B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
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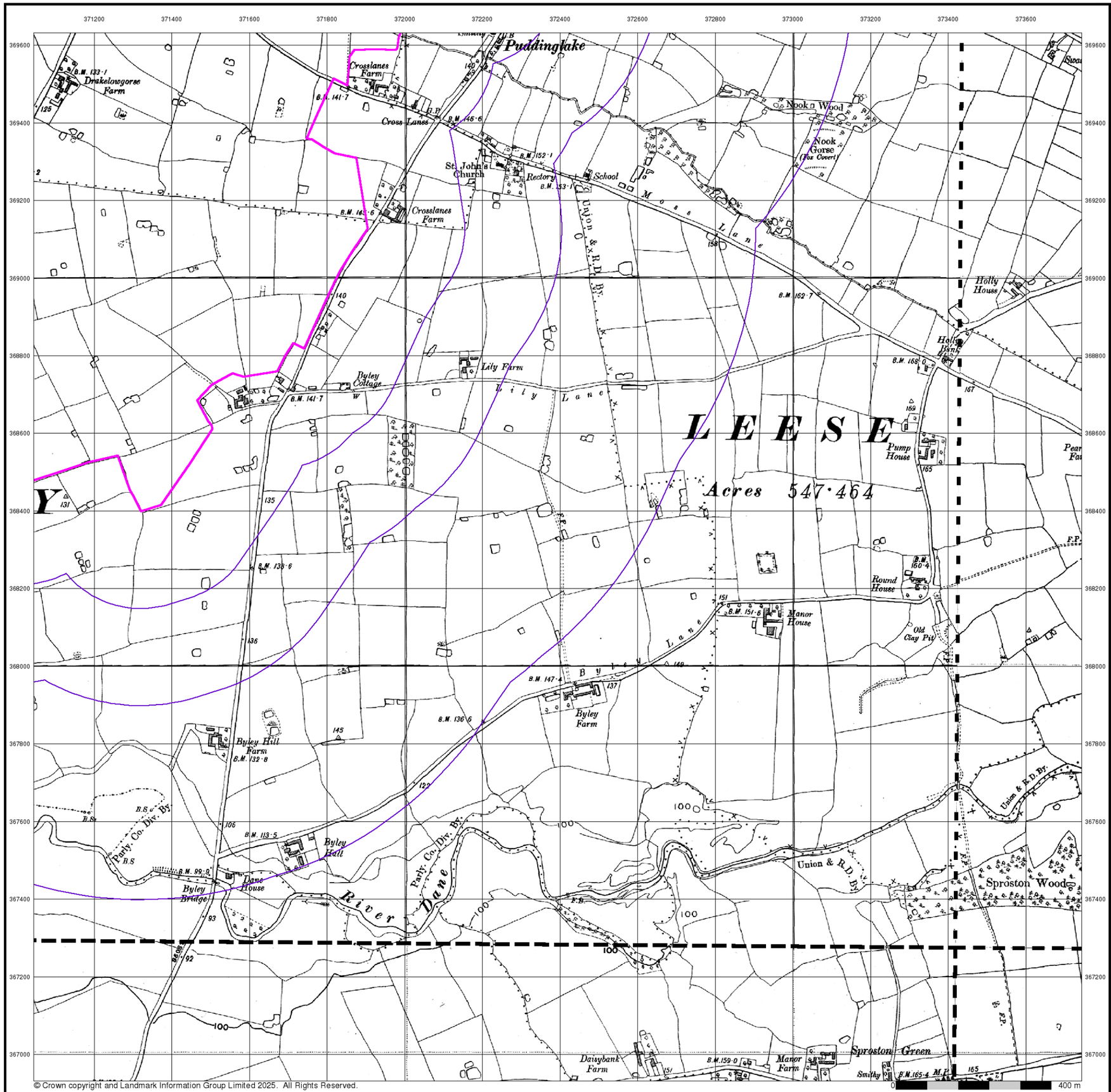

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Cheshire

Published 1938

Source map scale - 1:10,560

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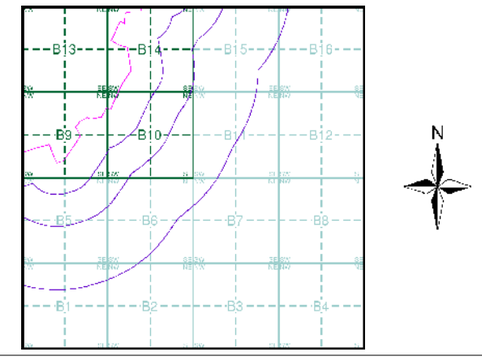
Map Name(s) and Date(s)

041NE 1938 1:10,560	042NW 1938 1:10,560
041SE 1938 1:10,560	042SW 1938 1:10,560

Historical Map - Slice B



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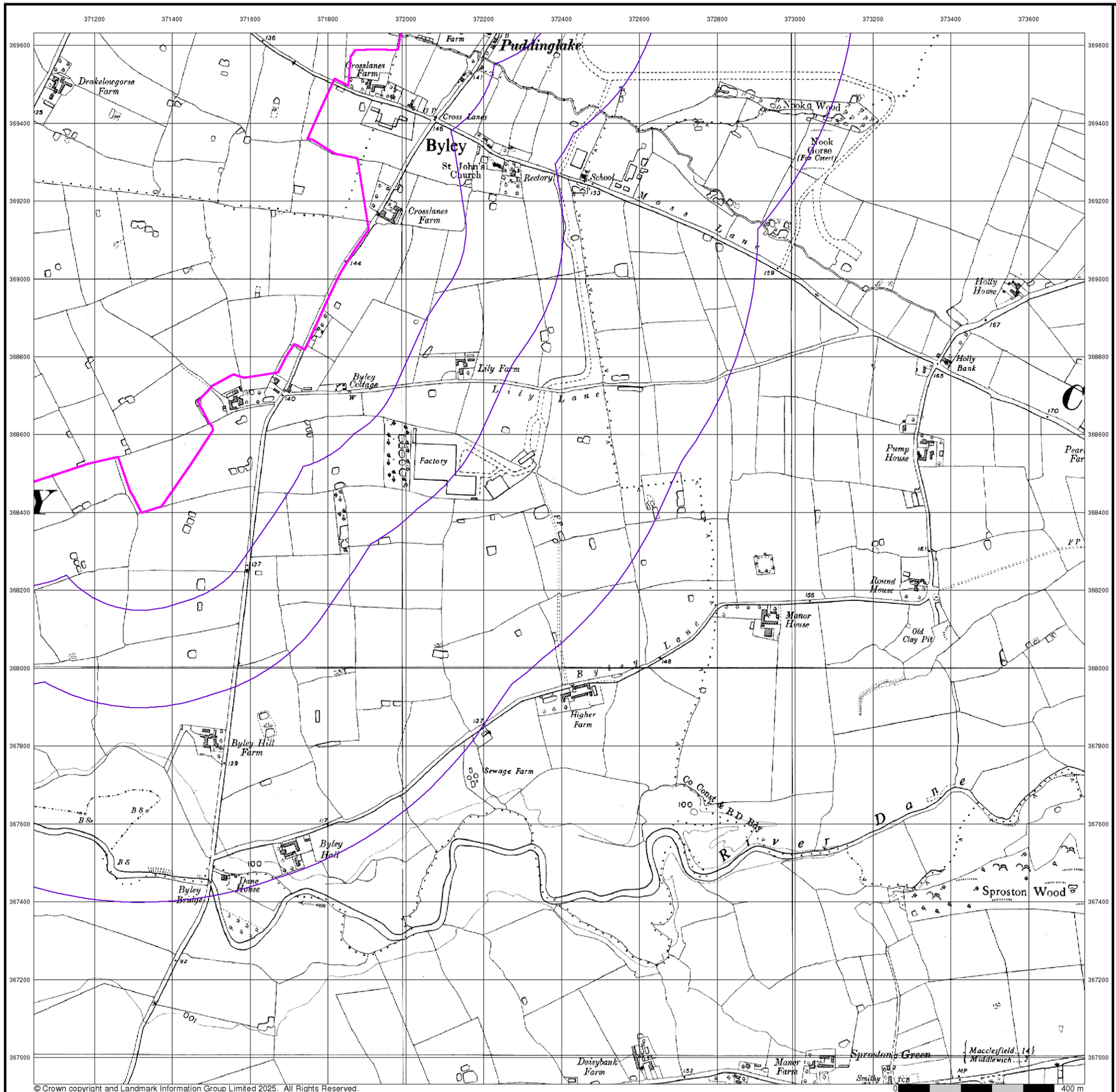

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Ordnance Survey Plan

Published 1954

Source map scale - 1:10,000

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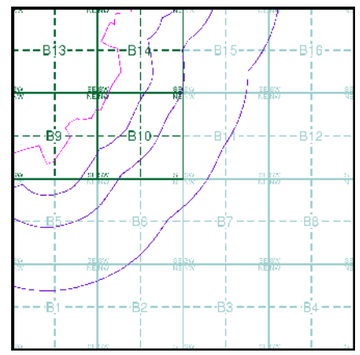
Map Name(s) and Date(s)

SJ76NW
1954
1:10,560

Historical Map - Slice B



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
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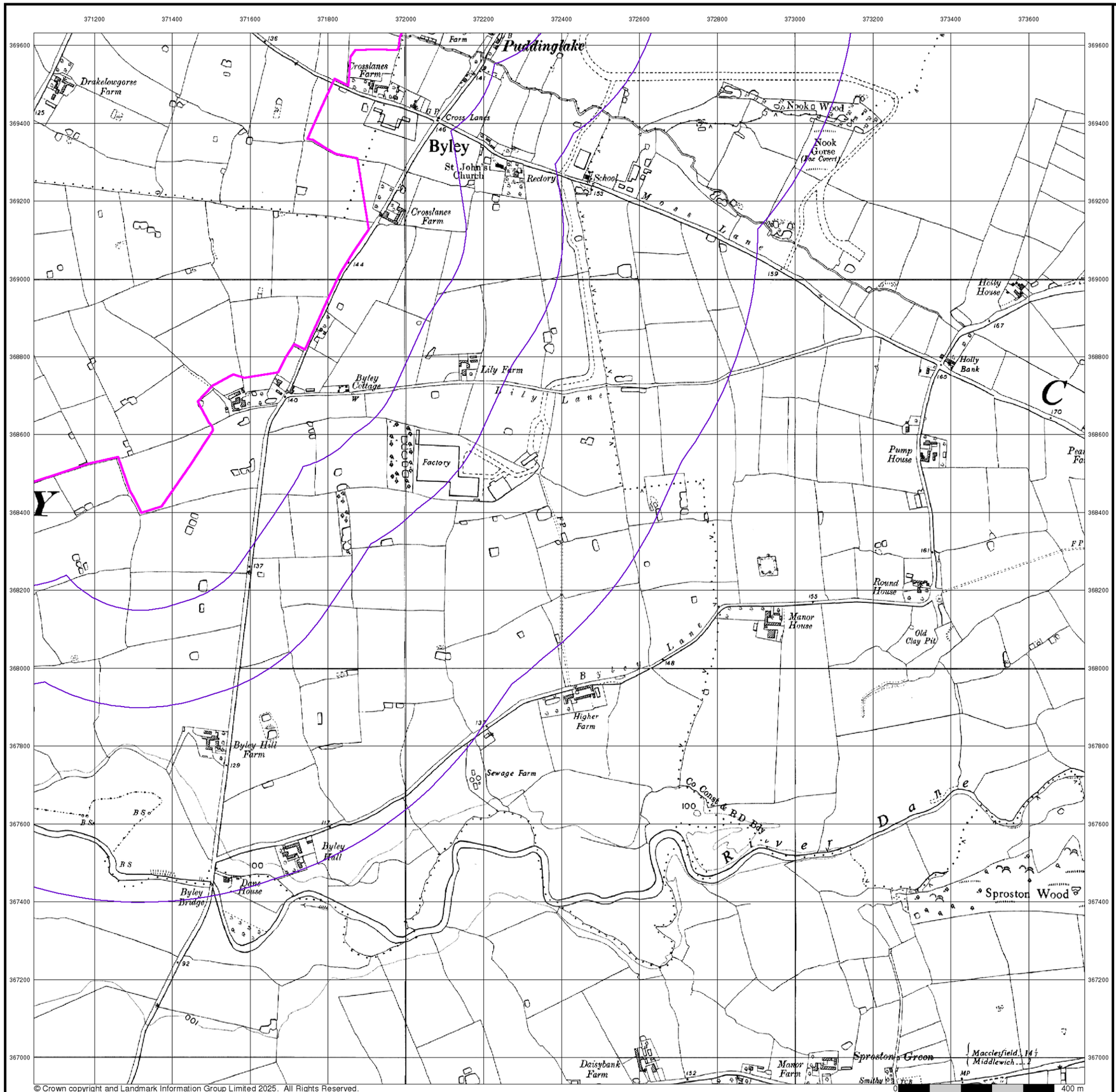

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Ordnance Survey Plan

Published 1969

Source map scale - 1:10,000

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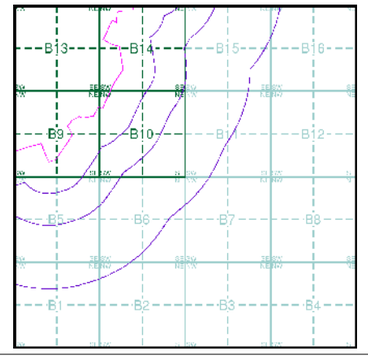
Map Name(s) and Date(s)

SJ76NW
1969
1:10,560

Historical Map - Slice B



Order Details

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Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
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Site at, Byley, Cheshire West & Chester

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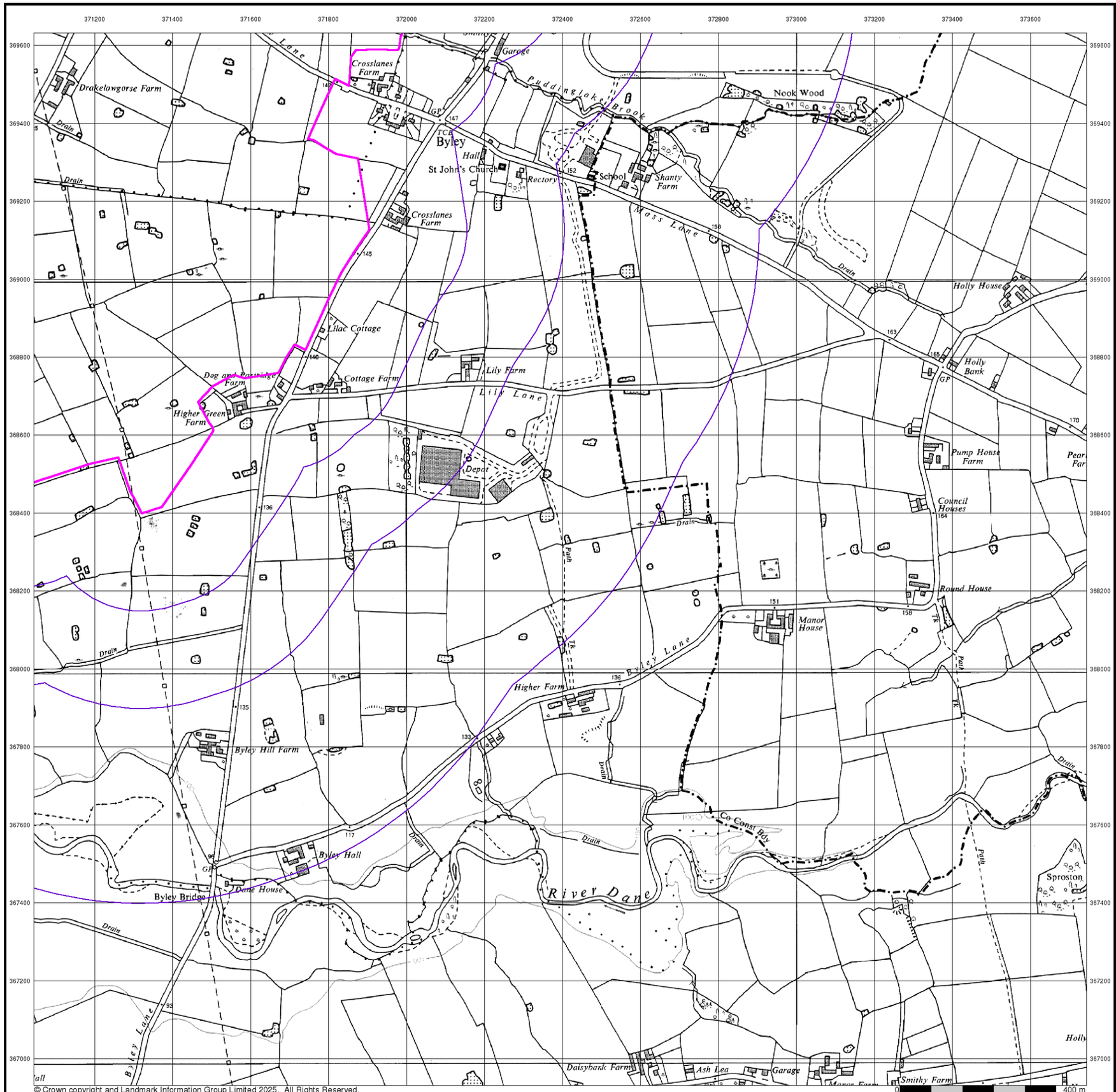

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Ordnance Survey Plan

Published 1971

Source map scale - 1:10,000

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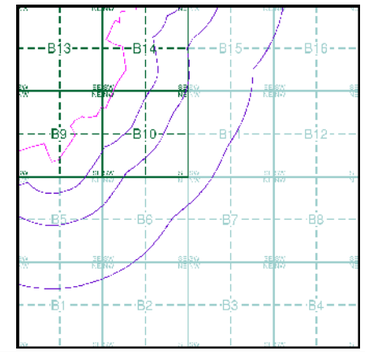
Map Name(s) and Date(s)

SJ76NW
1971
1:10,560

Historical Map - Slice B



Order Details

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Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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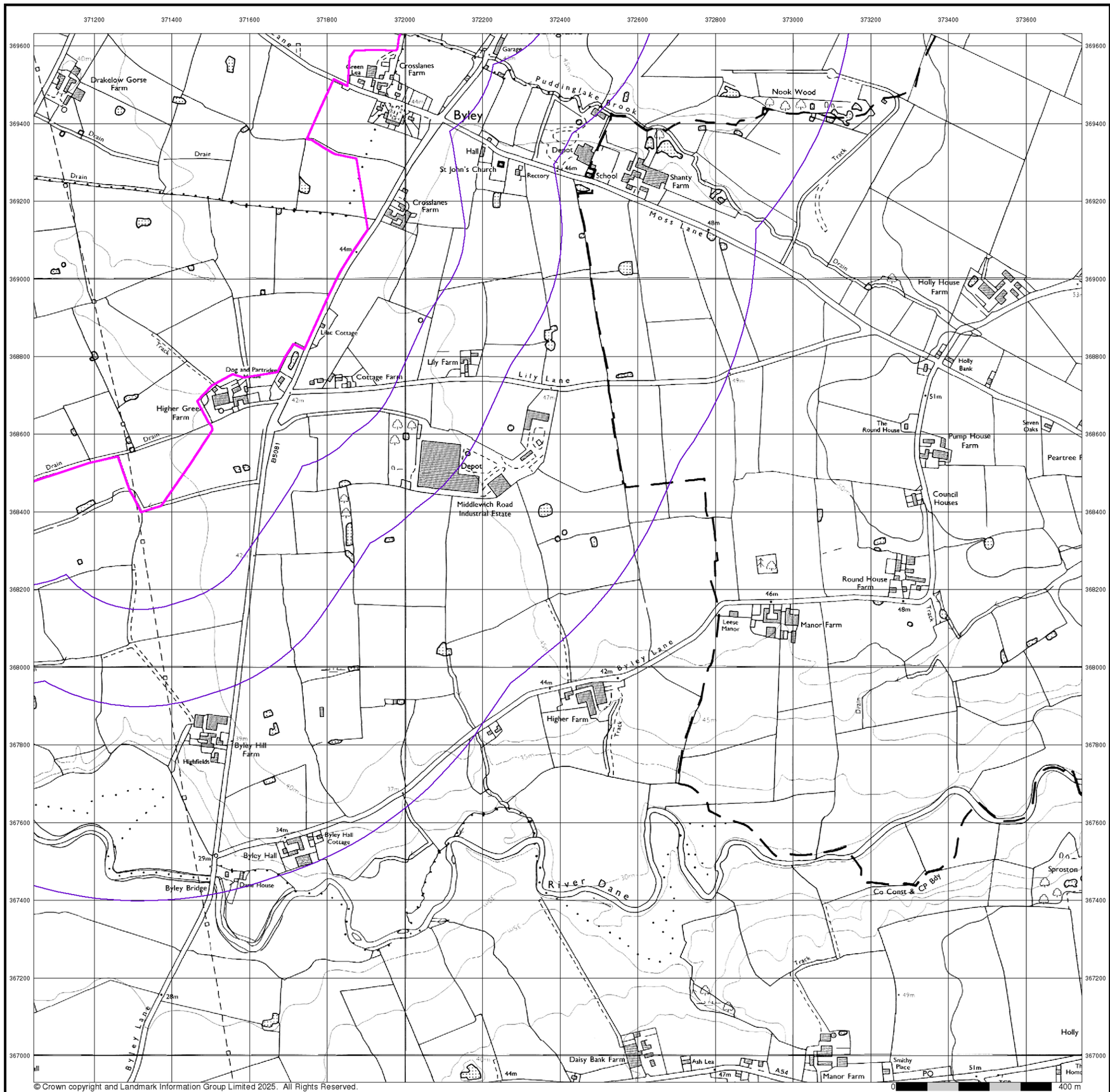

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Ordnance Survey Plan

Published 1988

Source map scale - 1:10,000

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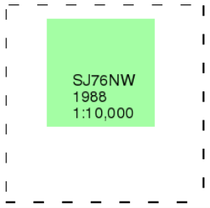
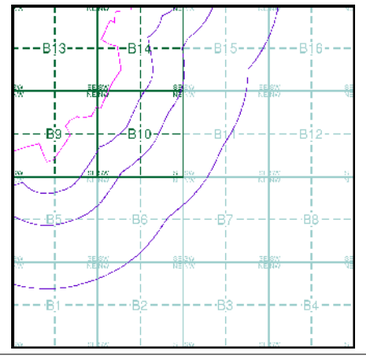
Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

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Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
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Site Details

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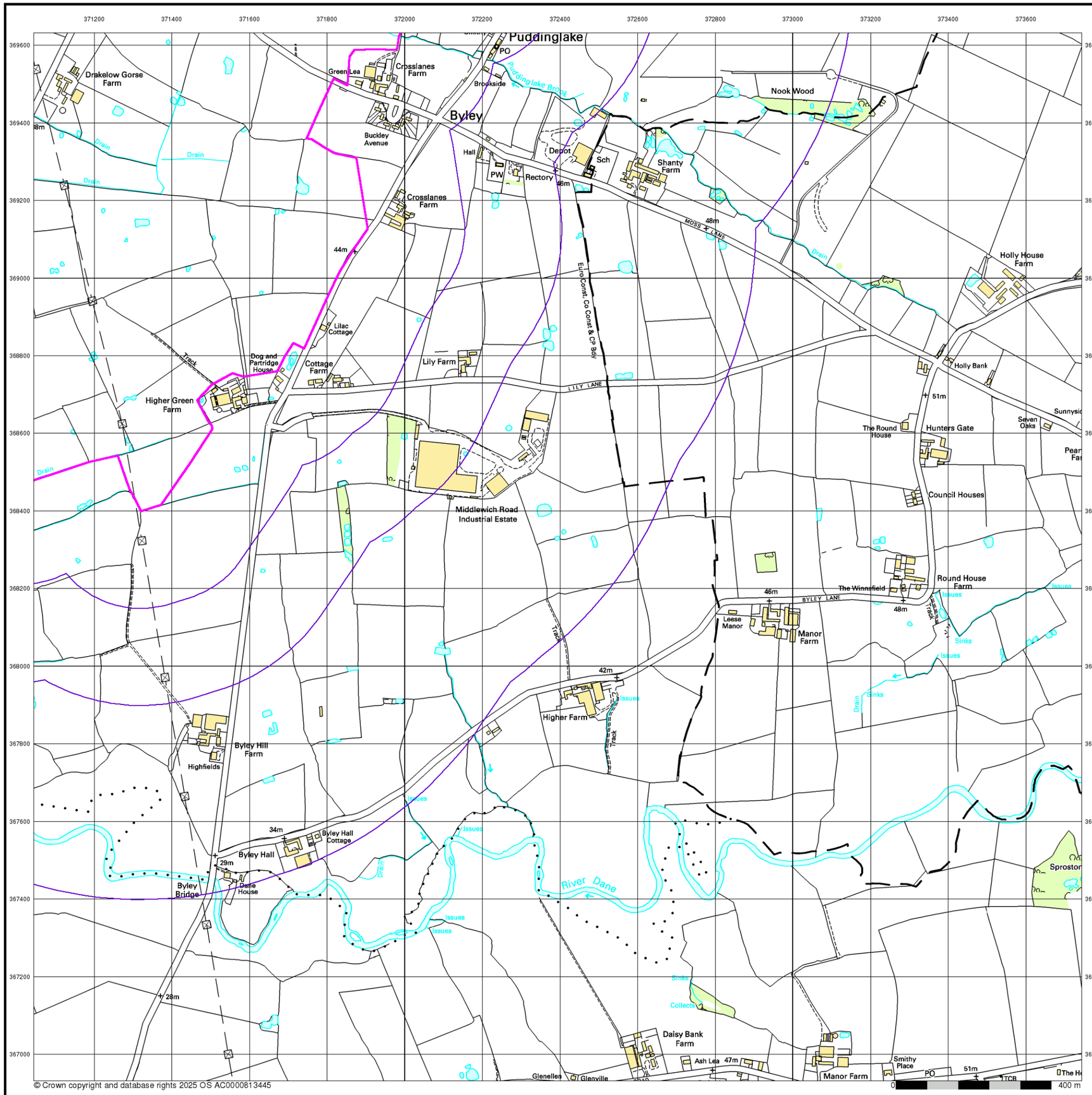

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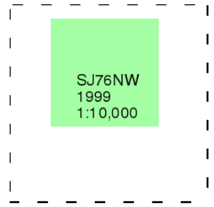
10k Raster Mapping

Published 1999

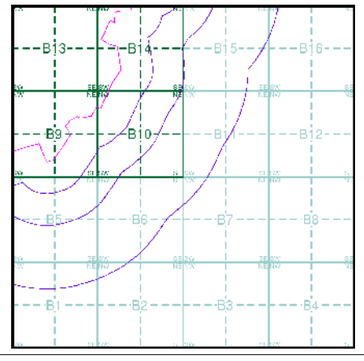
Source map scale - 1:10,000

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:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	371880, 368680
Slice:	B
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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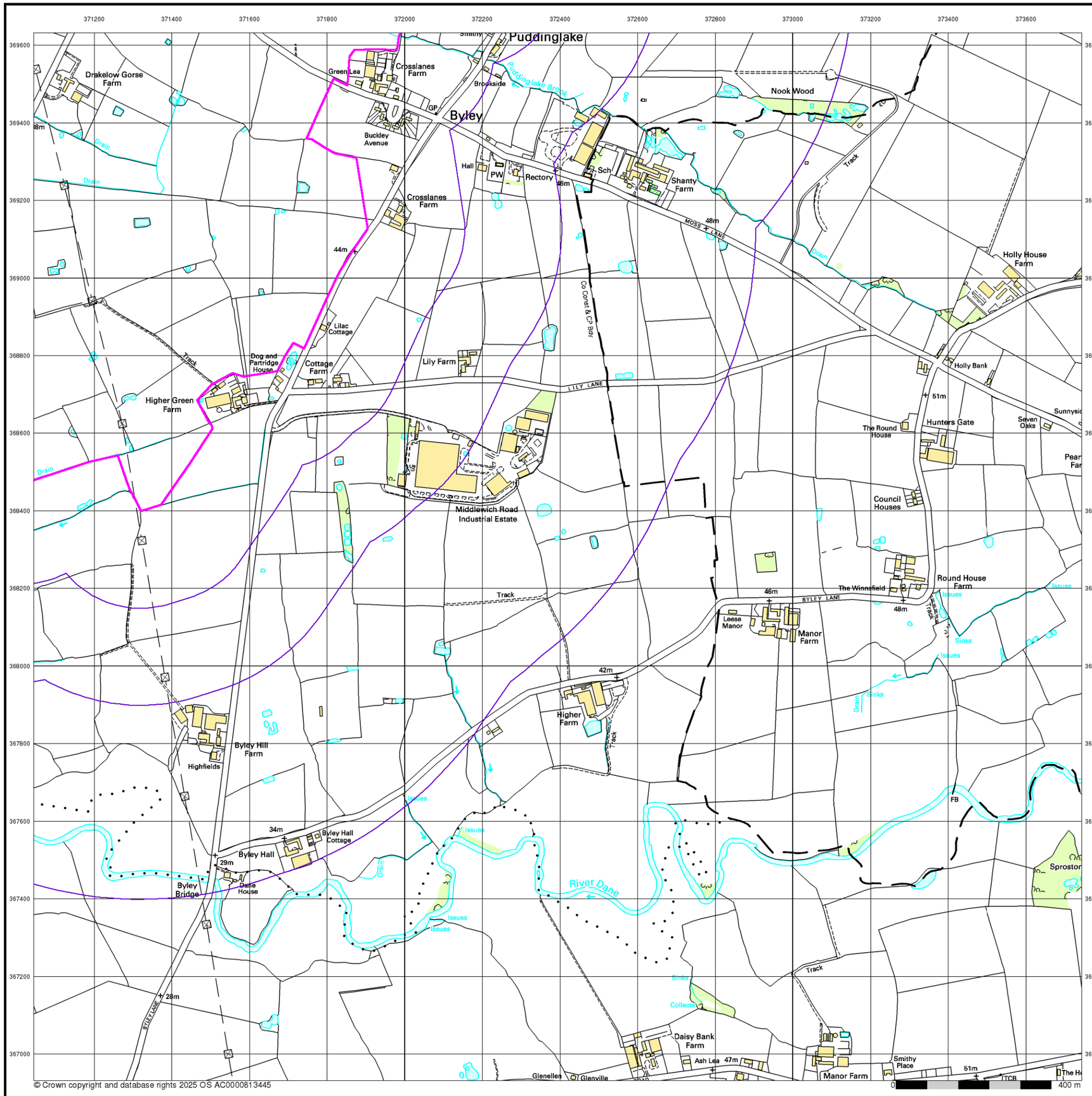

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10k Raster Mapping

Published 2006

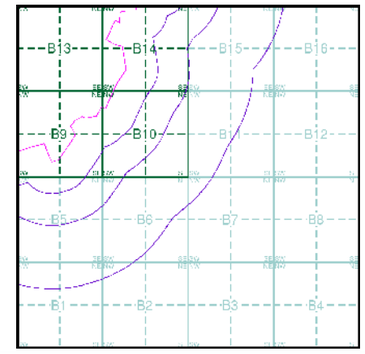
Source map scale - 1:10,000

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)

SJ76NW
2006
1:10,000

Historical Map - Slice B



Order Details

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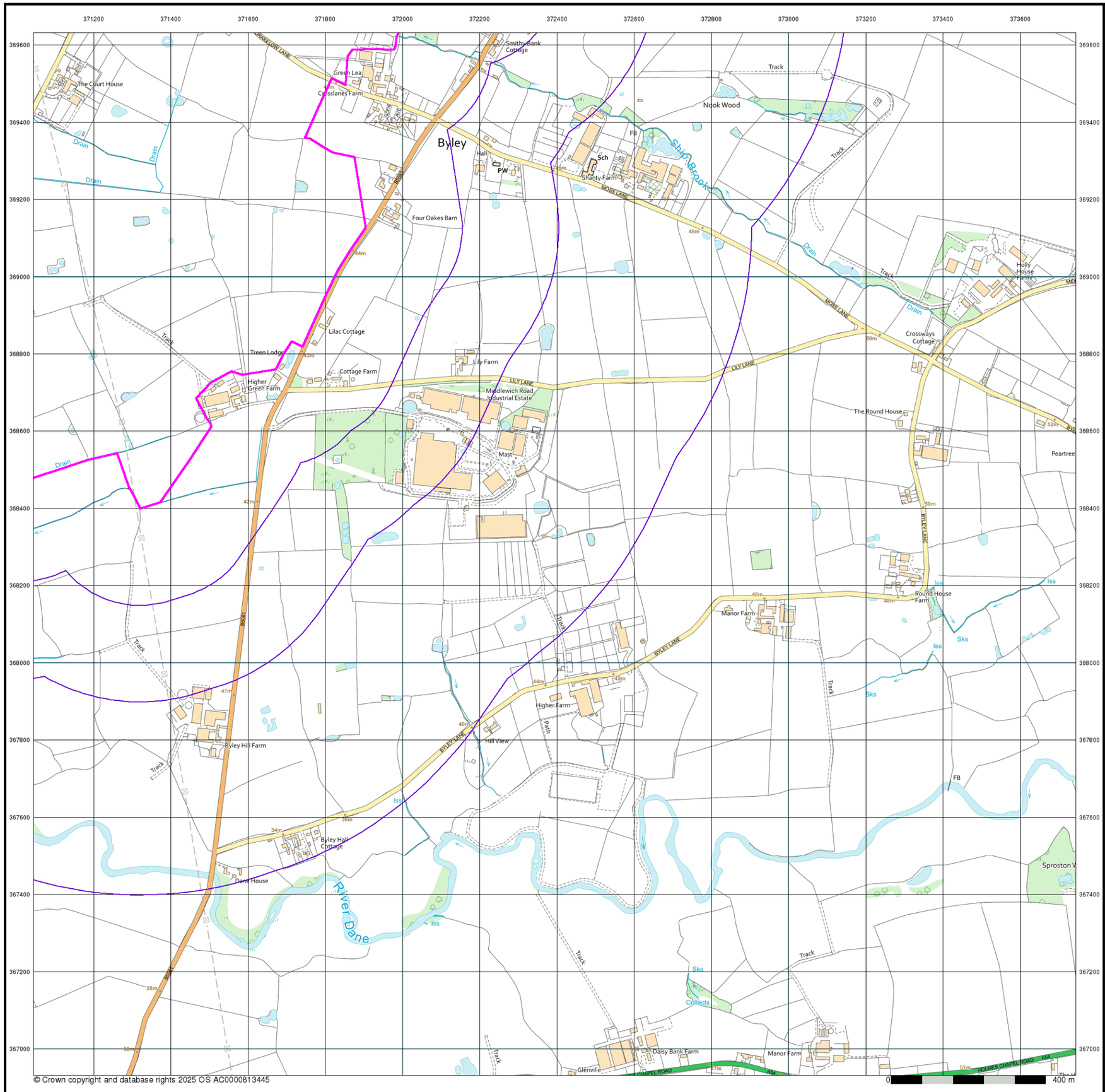

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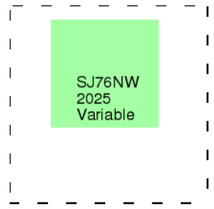
VectorMap Local

Published 2025

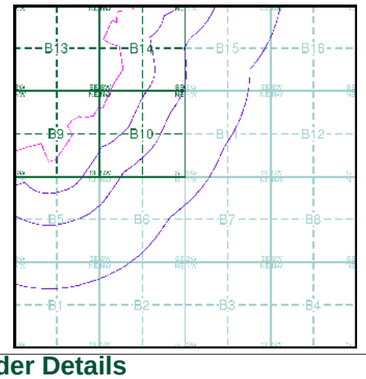
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



Historical Map - Slice B



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Site Details

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
381333716_1_1

Customer Reference:
Keuper Hydrogen - ERM ref. 0755727

National Grid Reference:
368290, 370580

Slice:
C

Site Area (Ha):
357.89

Search Buffer (m):
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Site Details:

Site at
Byley
Cheshire West & Chester

Client Details:

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Prepared For:

Storengy
Keuper Hydrogen

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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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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England. The probability result is only valid for properties above ground. All basement and cellar areas are considered to be at additional risk from high radon levels. If an underground room such as a cellar or basement makes up part of the living or working accommodation, the property should be tested regardless of Radon Affected Area status.

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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			n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				4
Prosecutions					
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					
Historical Prosecutions					
Registered Radioactive Substances					
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	2	n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 2	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 2	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 2	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 2	Yes	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 3				2
Water Framework Directive - Catchment	pg 3	Yes			
Water Framework Directive - Groundwater	pg 3	Yes			
Water Framework Directive - Surface Waters					

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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					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)					
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					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 5	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 5	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District	pg 5	Yes	n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 6	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 6	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 6		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 6	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 6	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
Industrial Land Use					
Contemporary Trade Directory Entries					
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production					
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
Underground Electrical Cables					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
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 8	1			
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 of Property Situated Below Ground Level	(SE)	0	1	368850 370250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	0	1	369000 370000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	0	1	368400 370000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	0	1	368400 370700
1	**Discharge Consents** Operator: Stables Management (Whatcroft 1993) Ltd Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: The Stables Whatcroft Hall Lane, Whatcroft, Northwich, Cheshire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016890943 Permit Version: 1 Effective Date: 1st January 1900 Issued Date: Not Supplied Revocation Date: 26th June 1989 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Lake/Reservoir - with outlet Receiving Water: Puddinglake Brook **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	C4NE (S)	988	2	368300 370200
1	**Discharge Consents** Operator: Stables Management (Whatcroft 1993) Ltd Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: The Stables Whatcroft Hall Lane, Whatcroft, Northwich, Cheshire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016890943 Permit Version: 2 Effective Date: 27th June 1989 Issued Date: Not Supplied Revocation Date: 31st October 1994 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Lake/Reservoir - with outlet Receiving Water: Puddinglake Brook **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	C4NE (S)	988	2	368300 370200
1	**Discharge Consents** Operator: Stables Management (Whatcroft 1993) Ltd Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: The Stables Whatcroft Hall Lane, Whatcroft, Northwich, Cheshire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016890943 Permit Version: 2 Effective Date: 27th June 1989 Issued Date: Not Supplied Revocation Date: 31st October 1994 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Lake/Reservoir - with outlet Receiving Water: Puddinglake Brook **Status:** **Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	C4NE (S)	988	2	368300 370200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Stables Management (Whatcroft 1993) Ltd Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: The Stables Whatcroft Hall Lane, Whatcroft, Northwich, Cheshire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016890943 Permit Version: 3 Effective Date: 1st November 1994 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Puddinglake Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	C4NE (S)	990	2	368300 370195
	Nearest Surface Water Feature	(NE)	555	-	368462 370711
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: Low	(E)	0	2	369000 370579
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	(SE)	0	2	369000 370000
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	(E)	0	2	369000 370579
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	(E)	0	3	368901 370803
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(S)	0	3	368348 370000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	C8SE (SW)	0	3	368290 370579
	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	C8SE (SW)	0	2	368100 370365
	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	C7NE (W)	114	2	367395 370935
	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	C8SE (SW)	0	2	368085 370375
	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	(NE)	119	2	368820 371430
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences None				
2	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 3303.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trent and Mersey Canal Catchment Name: Mersey Primacy: 1	(NE)	549	4	368460 370726
3	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 309.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Puddinglake Brook Catchment Name: Mersey Primacy: 1	C4NE (S)	847	4	368280 370212
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Puddinglake Brook WaterBody ID: GB112068060220 Operational Catchment: Dane Management Catchment: Weaver Gowy Catchment Name: Weaver Gowy	C8SE (SW)	0	2	368290 370579
	Water Framework Directive - Groundwater Waterbody Name: Weaver and Dane Quaternary Sand and Gravel Aquifers Waterbody ID: GB41202G991700 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41202G991700 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Good Year: 2019	C8SE (SW)	0	2	368290 370579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Vale Royal Borough Council - Has supplied landfill data		0	5	368290 370579
	Local Authority Landfill Coverage Name: Cheshire County Council - Has supplied landfill data		0	6	368290 370579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	C8SE (SW)	0	1	368290 370579
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	C8SE (SW)	0	1	368290 370579
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	C12SE (N)	135	1	368290 371000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	C11SW (NW)	260	1	367000 371169
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	(S)	386	1	368348 370000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	C4NE (S)	804	1	368317 370230
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	CBSCB Compensation District Description: In an area which may be affected by historic brine pumping (the Compensation District). The Law Society recommend that all property transactions should obtain a CON29M search. The CBSCB website: http://www.cheshirebrine.com/ has information regarding how to obtain a search and other information regarding the continuing functions of the Board. Contact details are included in the Useful Contacts section. Source: Cheshire Brine Subsidence Compensation Board (CBSCB)	C8SE (SW)	0	7	368290 370579

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Evaporites Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	C8SE (S)	0	-	368290 370500
	Mining Instability Mining Evidence: Inconclusive Evaporites Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	C8SE (SW)	0	-	368290 370579
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	C8SE (SW)	0	1	368290 370579
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	C4NE (S)	9	1	368290 370000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C8SE (SW)	0	1	368290 370579
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NE (S)	0	1	368290 370000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C8SE (SW)	0	1	368290 370579
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C4NE (S)	0	1	368290 370000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	C4NE (S)	119	1	368290 370000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	C8SE (SW)	144	1	368290 370579
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NE (S)	0	1	368290 370000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C8SE (SW)	0	1	368290 370579
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4NE (S)	0	1	368290 370000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C8SE (SW)	0	1	368290 370579
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C8SE (SW)	0	1	368290 370579
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	(S)	0	1	368348 370000
	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	C8SE (SW)	0	1	368290 370579
	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	C4NE (S)	0	1	368290 370000
	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	C8SE (SW)	0	1	368290 370579

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	C4NE (S)	0	1	368290 370000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Nitrate Vulnerable Zones** Name: River Weaver (Dane To Frodsham) Nvz Description: Surface Water Source: Environment Agency, Head Office	C8SE (SW)	0	2	368290 370579

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Community Services Directorate	November 2008	Not Applicable
Environment Agency - Head Office	November 2023	Annually
Cheshire West and Chester Council - Environmental Health Department	October 2017	Annually
Discharge Consents		
Environment Agency - North West Region	April 2025	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	April 2025	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Cheshire West and Chester Council - Environmental Health Department	July 2015	Variable
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	June 2009	Not Applicable
Local Authority Pollution Prevention and Controls		
Cheshire West and Chester Council - Environmental Health Department	July 2015	Annually
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	June 2009	Not Applicable
Local Authority Pollution Prevention and Control Enforcements		
Cheshire West and Chester Council - Environmental Health Department	July 2015	Variable
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	June 2009	Not Applicable
Nearest Surface Water Feature		
Ordnance Survey	April 2025	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Historical Prosecutions		
Environment Agency, North West Region	March 2013	Not Applicable
Registered Radioactive Substances		
Environment Agency - Head Office	May 2023	
Environment Agency - North West Region	May 2023	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - South Area	April 2025	Quarterly
Water Abstractions		
Environment Agency - North West Region	April 2025	Quarterly
Water Industry Act Referrals		
Environment Agency - North West 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	As notified
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	As notified
Source Protection Zones		
Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	December 2023	As notified

Data Currency

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	June 2025	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	April 2025	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2025	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2025	Annually

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 2025	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	May 2025	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	April 2025	Quarterly
Local Authority Landfill Coverage		
Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department	February 2003	Not Applicable
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department	October 2018	
Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	June 2025	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	August 2009	Not Applicable
Cheshire West and Chester Council - Planning Department	August 2023	Variable
Cheshire County Council (now part of Cheshire East Council) - Planning Department	July 2008	Annual Rolling Update
Planning Hazardous Substance Consents		
Cheshire West and Chester Council - Planning Department	April 2016	Variable
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	August 2009	Not Applicable
Cheshire County Council (now part of Cheshire East Council) - Planning Department	July 2008	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2025	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	February 2023	
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	November 2024	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	November 2024	Annually
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	June 2025	Quarterly
Fuel Station Entries Green Street Advisor (UK) Ltd	May 2025	Quarterly
Points of Interest - Commercial Services PointX	June 2025	Quarterly
Points of Interest - Education and Health PointX	June 2025	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2025	Quarterly
Points of Interest - Public Infrastructure PointX	June 2025	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2025	Quarterly
Underground Electrical Cables National Grid	January 2024	

Data Currency

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	March 2025	Bi-Annually
Areas of Adopted Green Belt		
Cheshire West and Chester Council - Planning Department	July 2025	Quarterly
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	July 2025	Quarterly
Areas of Unadopted Green Belt		
Cheshire West and Chester Council - Planning Department	July 2025	Quarterly
Vale Royal Borough Council (now part of Cheshire West and Chester Council)	July 2025	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	May 2025	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2023	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	March 2025	Bi-Annually
Marine Nature Reserves		
Natural England	February 2025	Bi-Annually
National Nature Reserves		
Natural England	January 2025	Bi-Annually
National Parks		
Natural England	September 2024	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	November 2024	Annually
Ramsar Sites		
Natural England	February 2025	Bi-Annually
Sites of Special Scientific Interest		
Natural England	May 2025	Bi-Annually
Special Areas of Conservation		
Natural England	January 2025	Bi-Annually
Special Protection Areas		
Natural England	May 2025	Bi-Annually

Data Suppliers

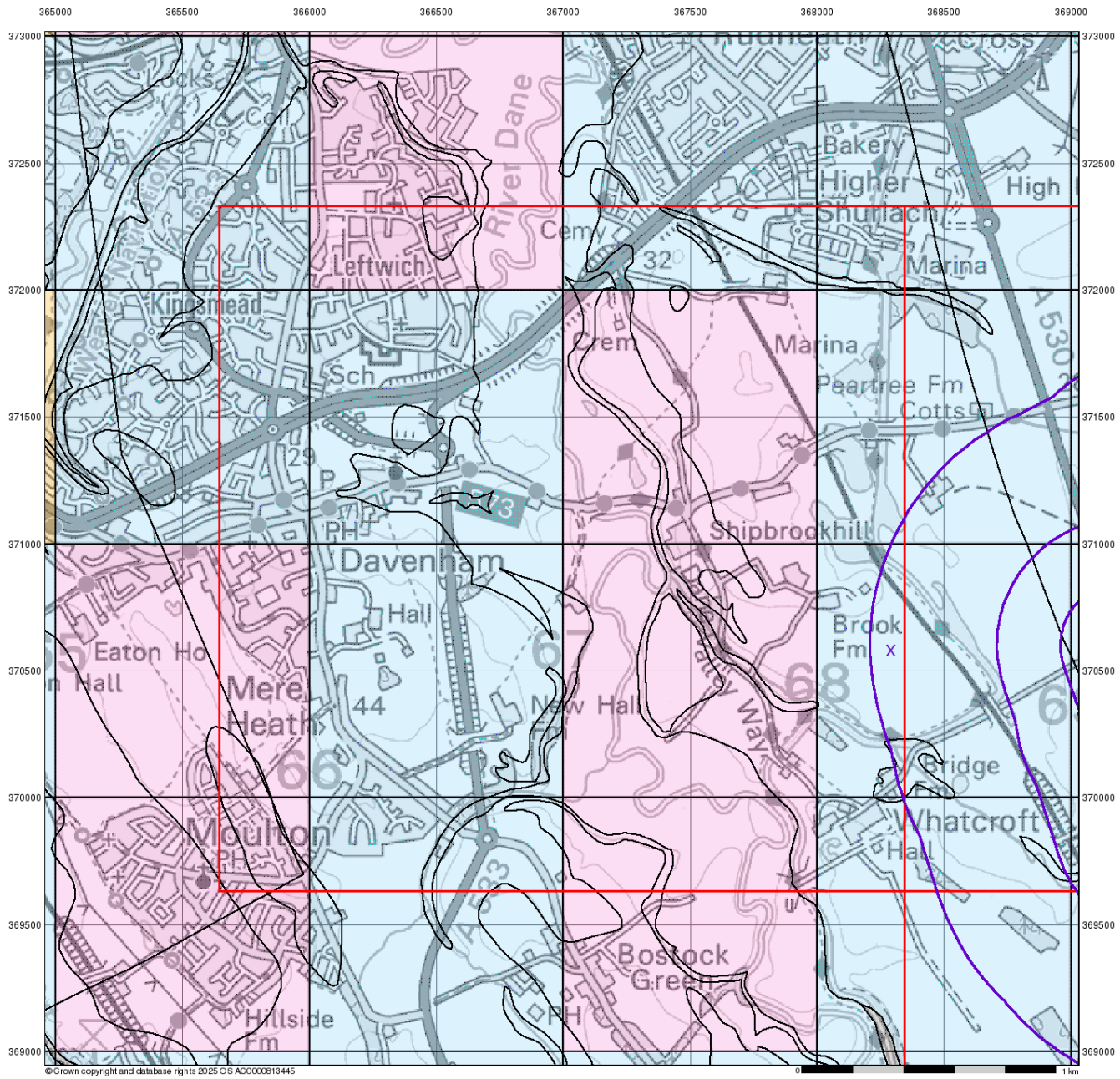
A selection of organisations who provide data within this report

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.co.uk
5	**Vale Royal Borough Council (now part of Cheshire West and Chester Council) - Environmental Health Department** 58 Nicholas Street, Chester, Cheshire, CH1 2NP	Telephone: 0300 123 8123 Email: enquiries@cheshirewestandchester.gov.uk Website: www.cheshirewestandchester.gov.uk
6	**Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department** Westfields, Middlewich Road, Sandbach, Cheshire, CW11 1HZ	Telephone: 0300 123 5015 Website: www.cheshireeast.gov.uk
7	**Cheshire Brine Subsidence Compensation Board (CBSCB)** Sir Henry Doulton House, Forge Lane, Etruria, Stoke on Trent, Staffordshire, ST1 5BD	Telephone: 0845 002 0562 Fax: 0845 111 8888 Email: info@cheshirebrine.com Website: www.cheshirebrine.com
8	**PointX** 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	**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** Landmark Information Group, Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0330 036 6618 Fax: 0844 844 9951 Email: helpdesk@landmark.co.uk Website: www.landmark.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

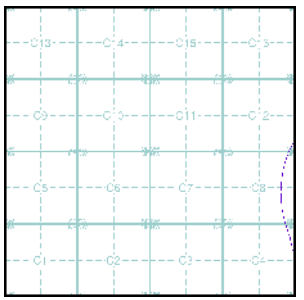
Agency and Hydrological

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

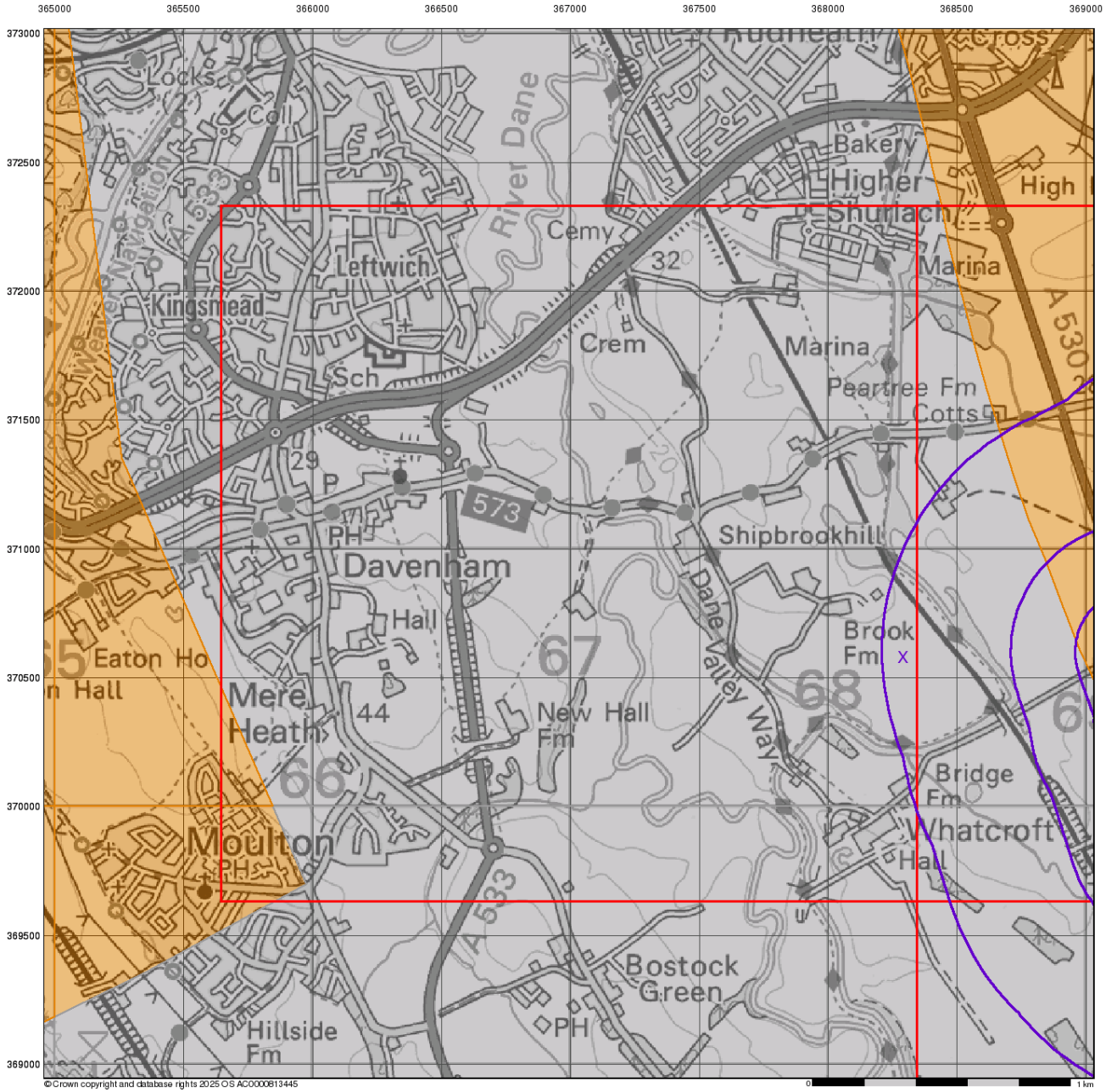
Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	368290, 370580
Slice:	C
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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



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Bedrock Aquifer Designation

General

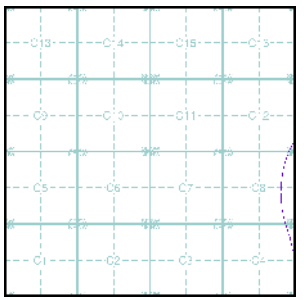
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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 C



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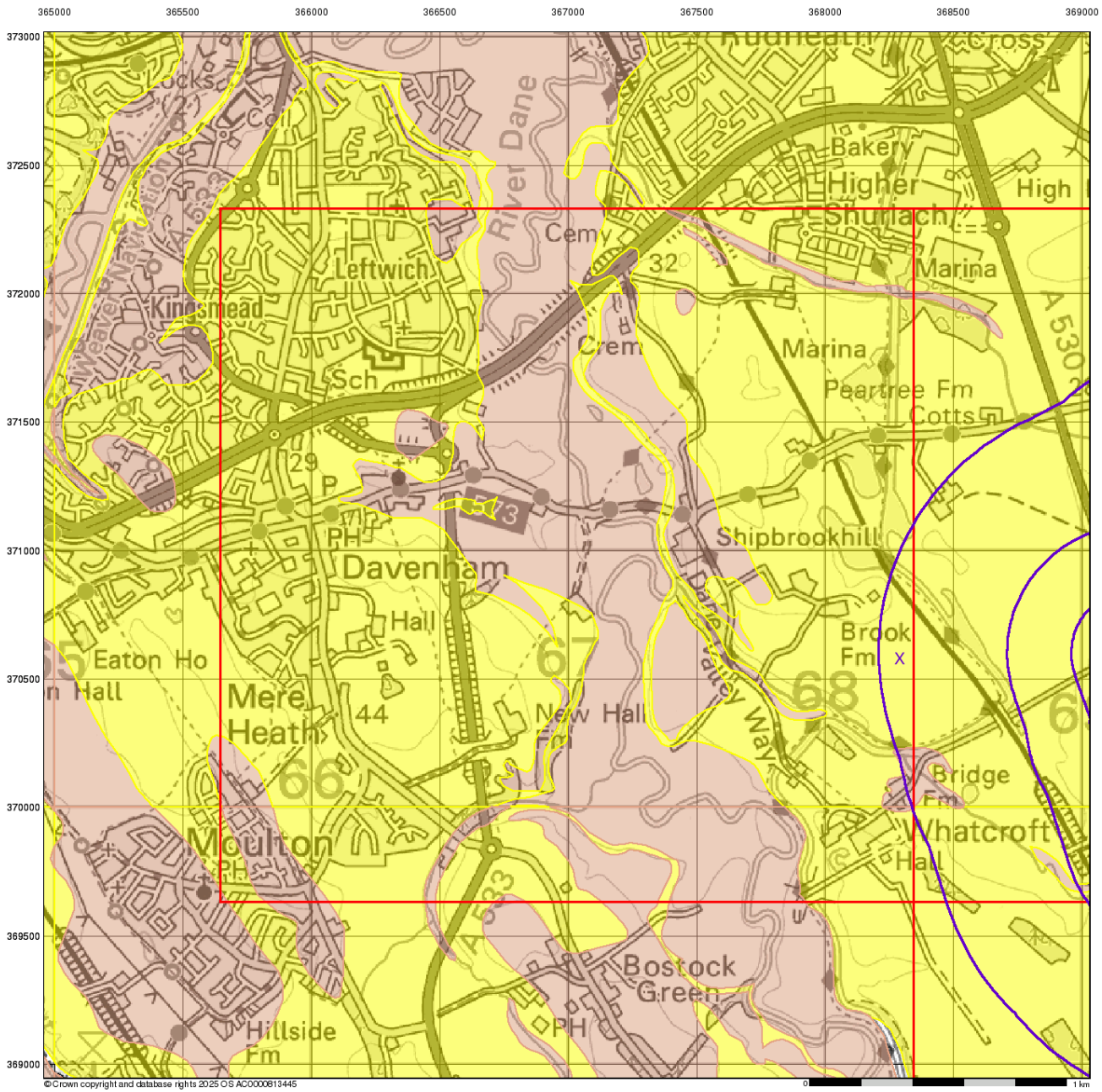

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Superficial Aquifer Designation

General

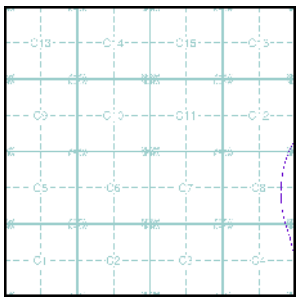
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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 C



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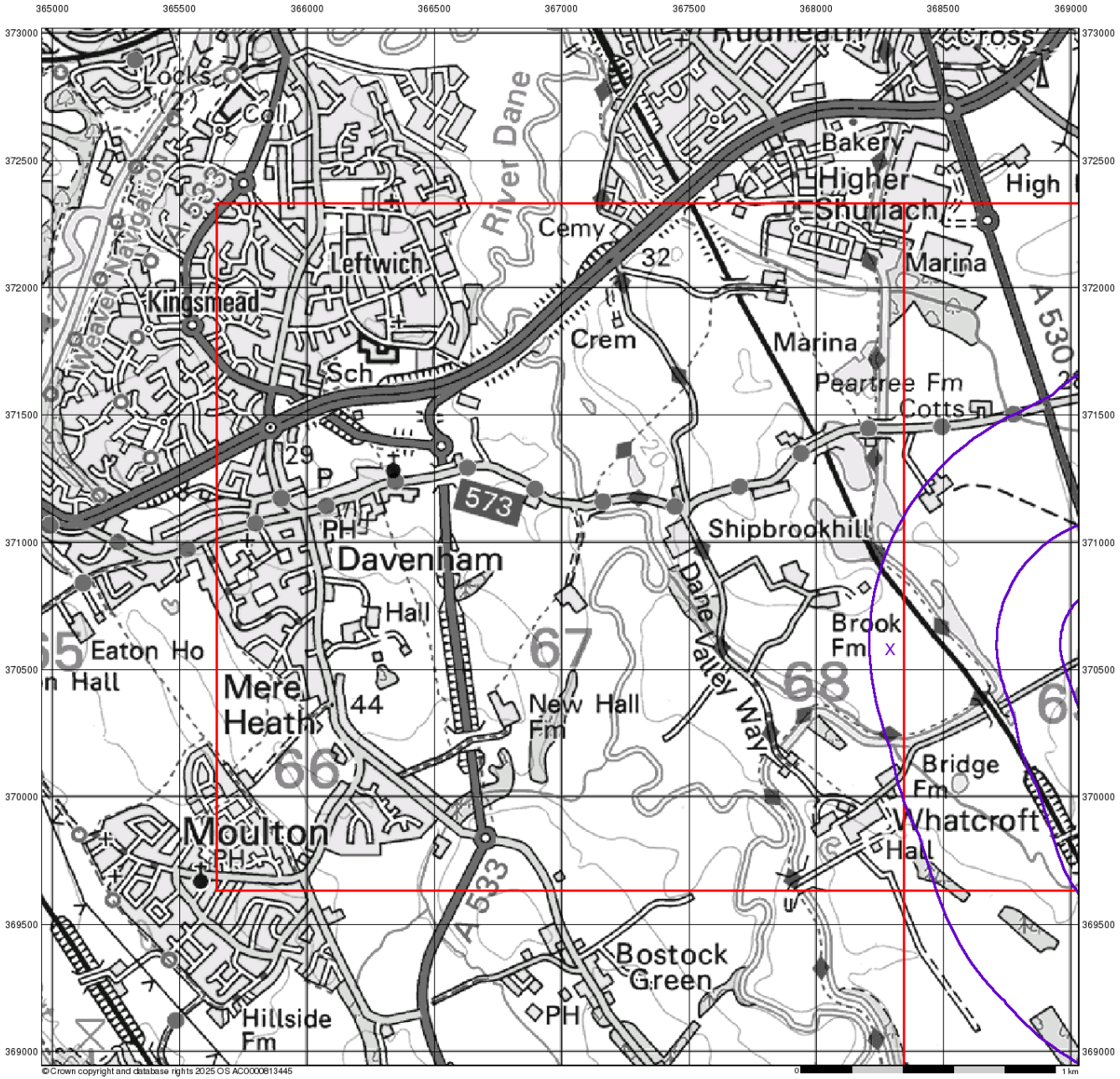

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Source Protection Zones

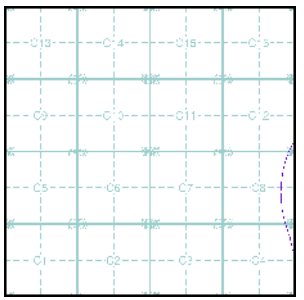
General

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 C



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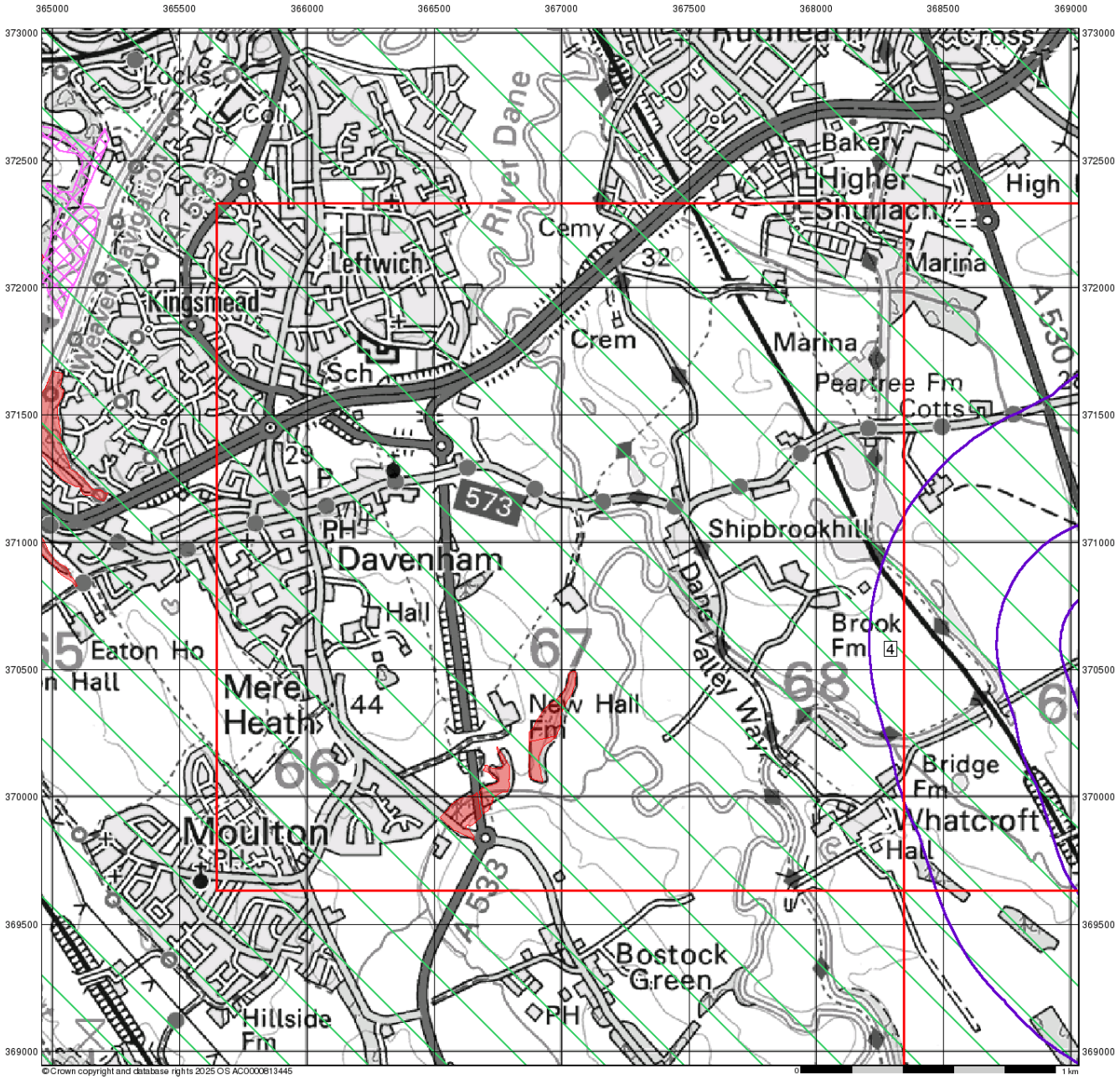

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Sensitive Land Uses

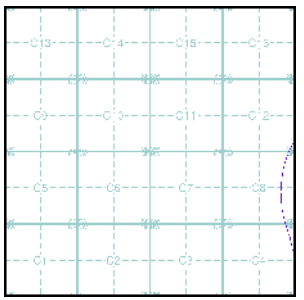
General

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 C



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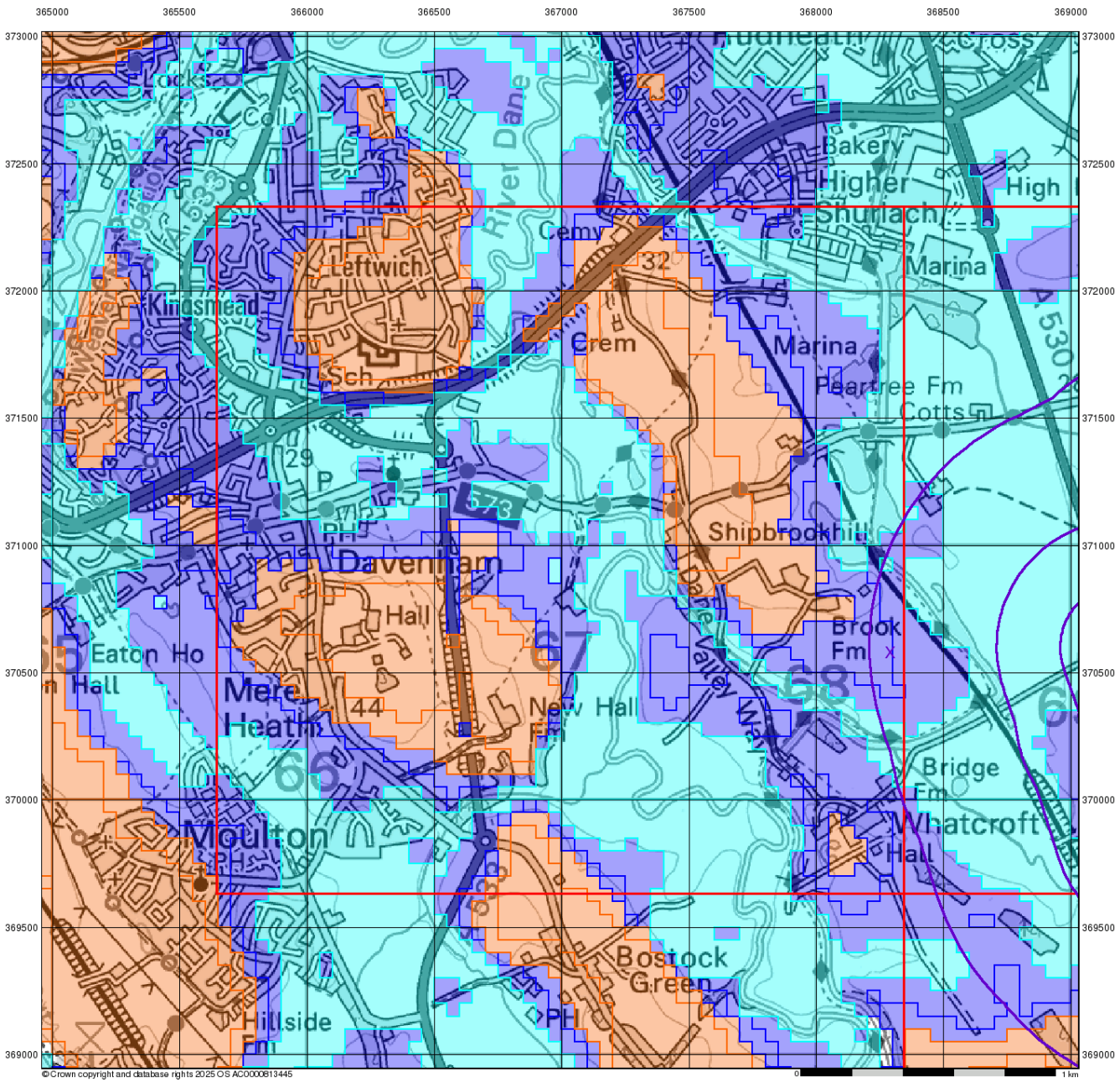

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BGS Flood GFS Data

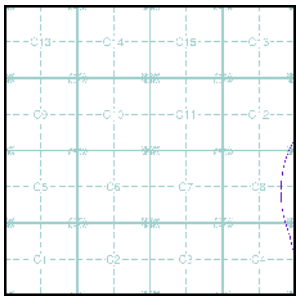
General

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 C



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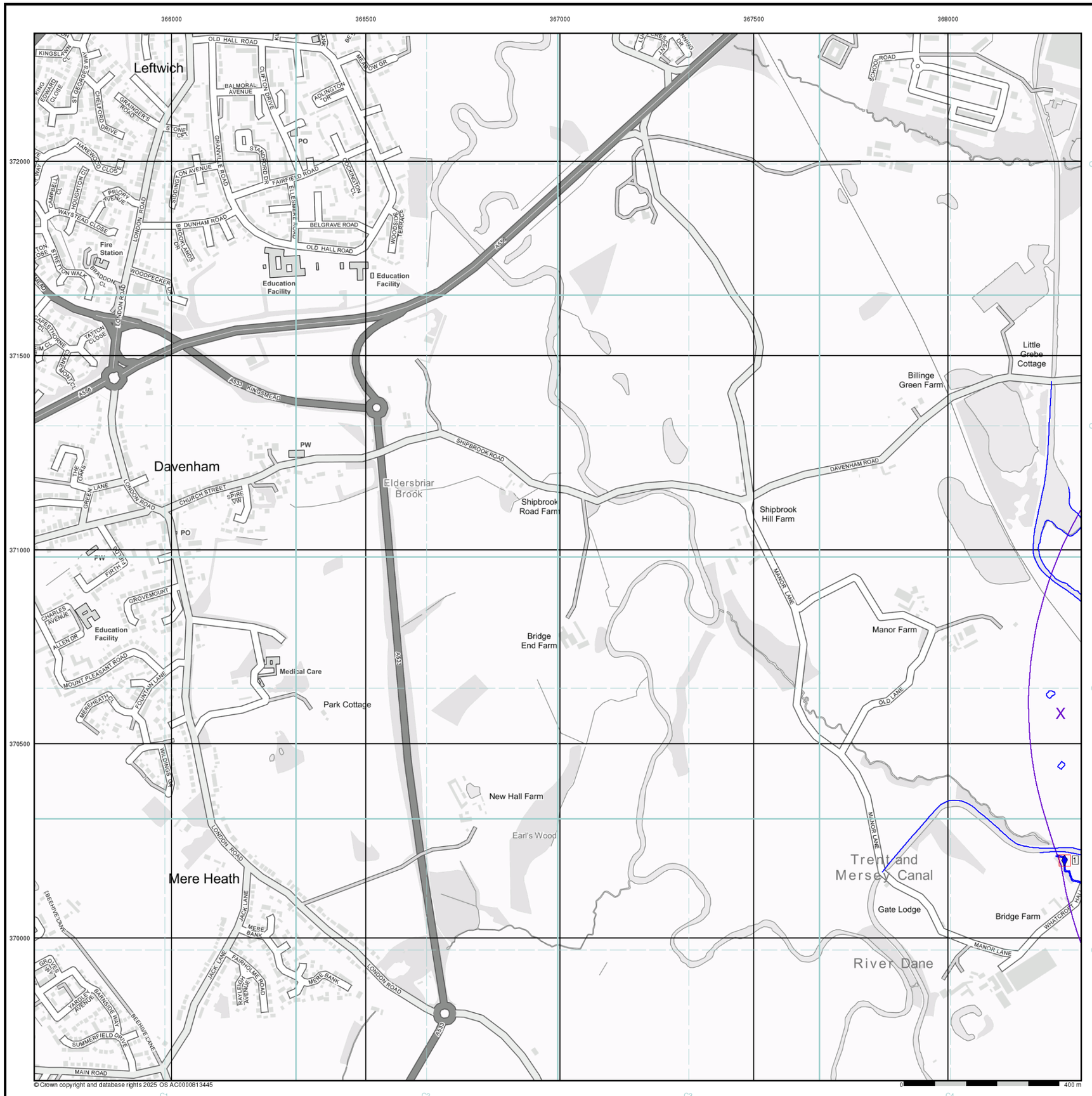

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General

- 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
- Historical Prosecutions
- Prosecutions
- Registered Radioactive Substance
- River Network or Water Feature
- 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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

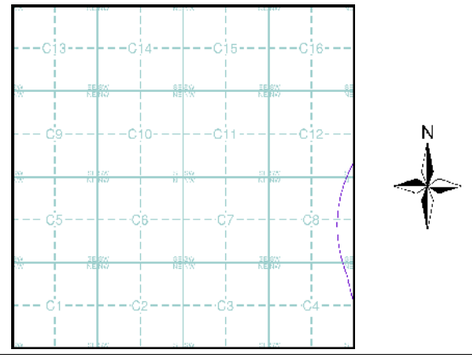
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Slice C



Order Details

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National Grid Reference:	368290, 370580
Slice:	C
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Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

Landmark INFORMATION GROUP

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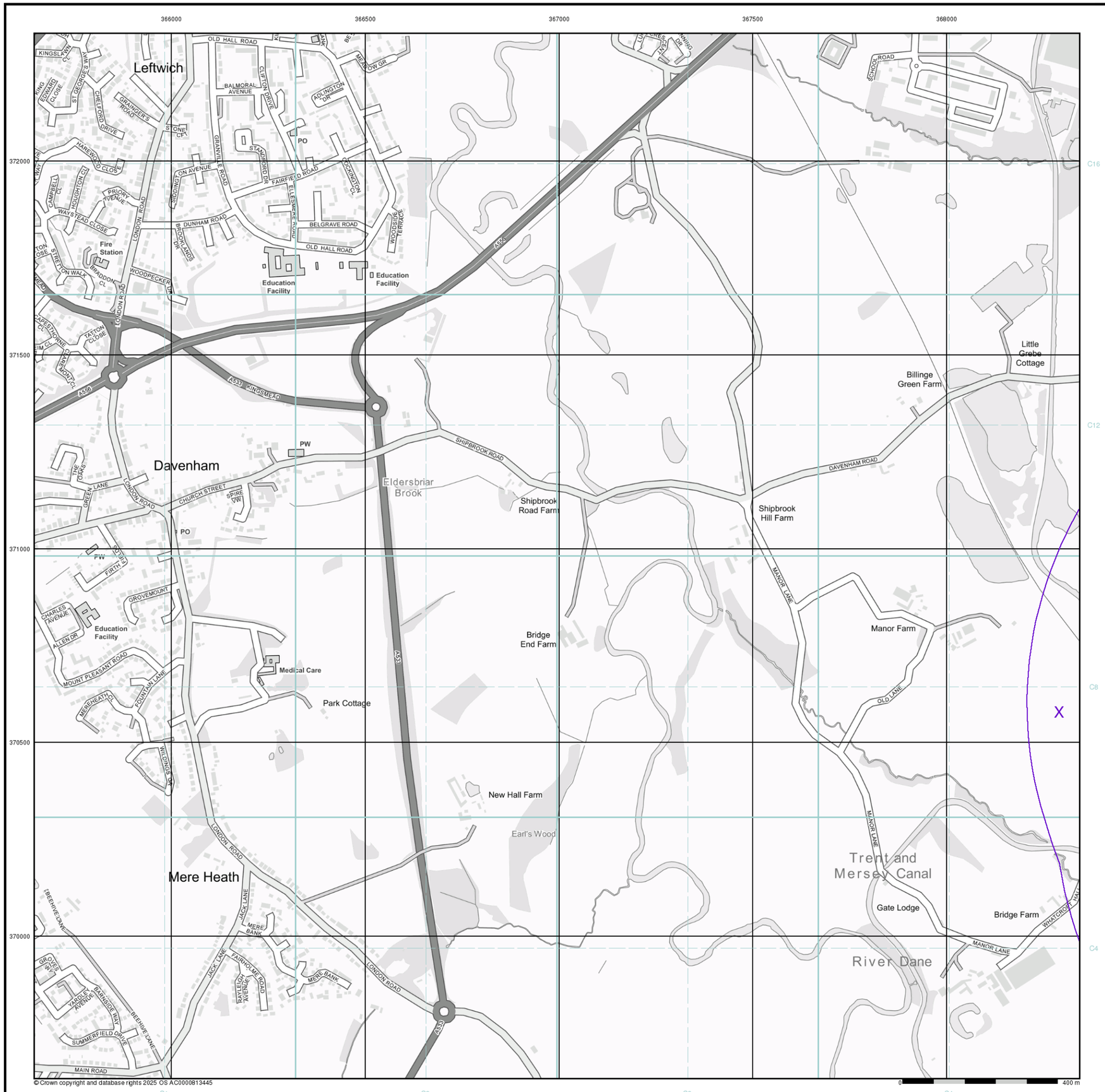
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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Industrial Land Use Map

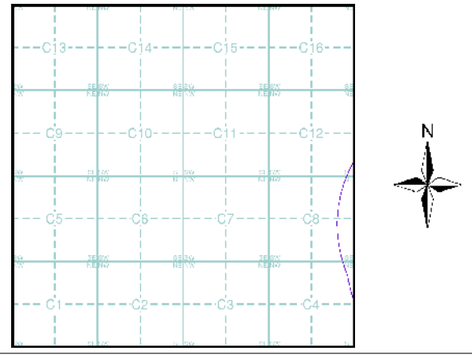
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice C



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Slice:	C
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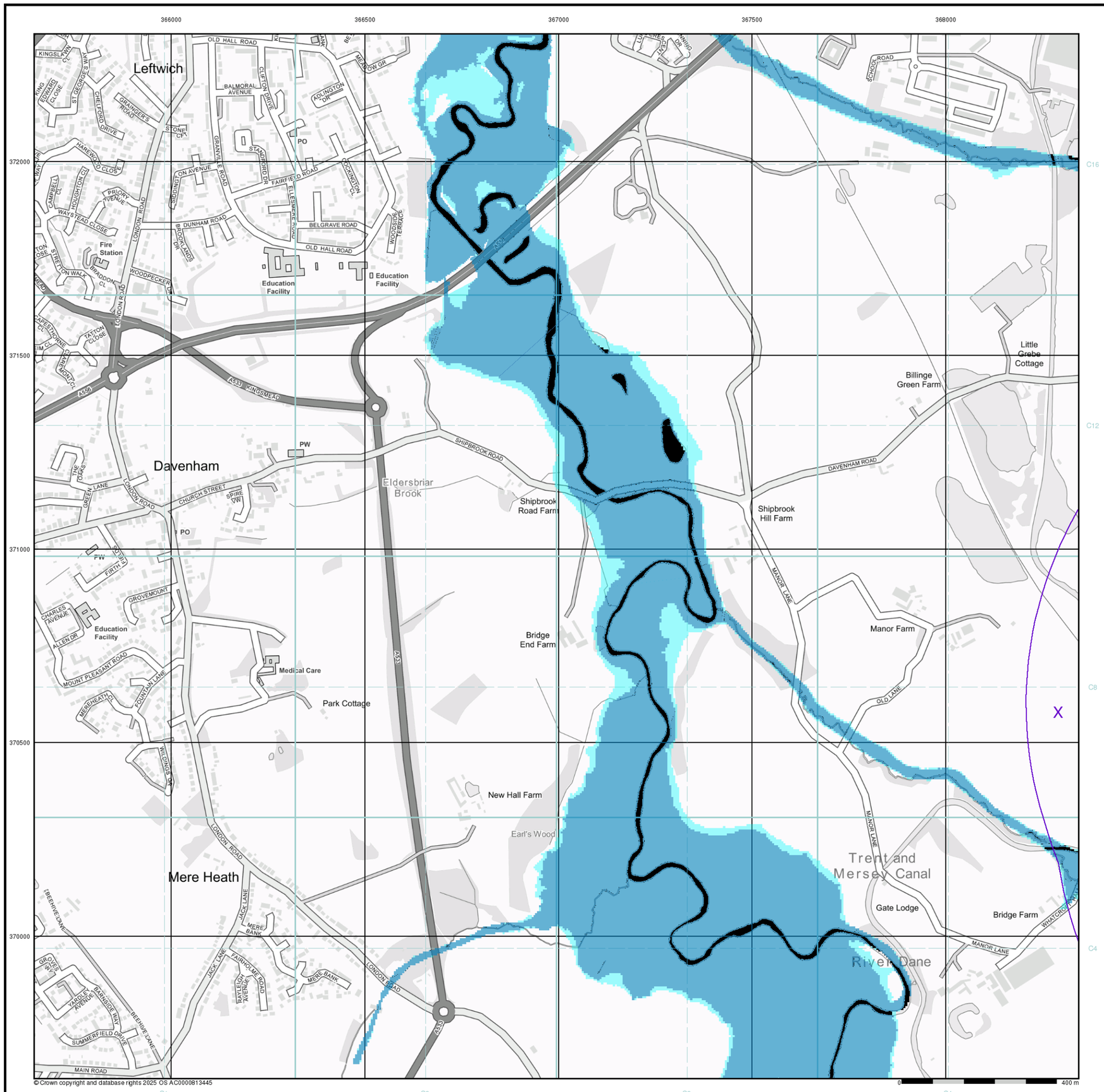

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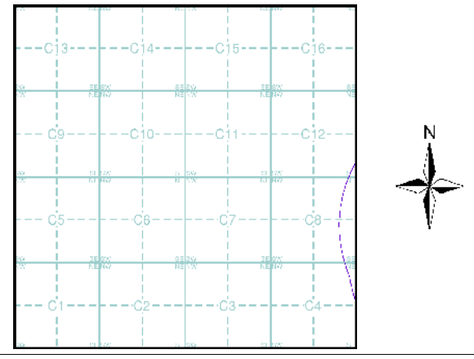
General

- 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

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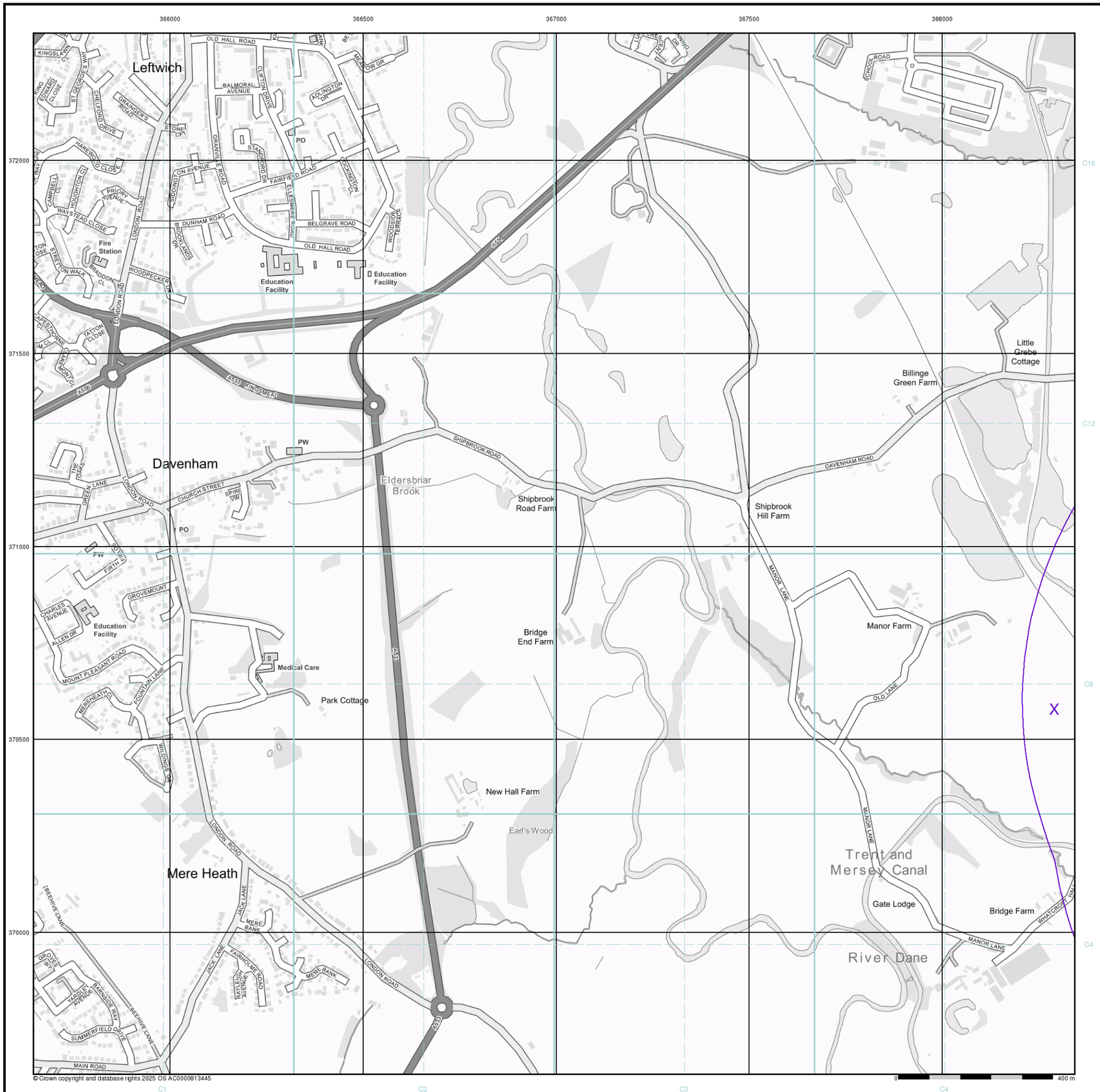


General

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

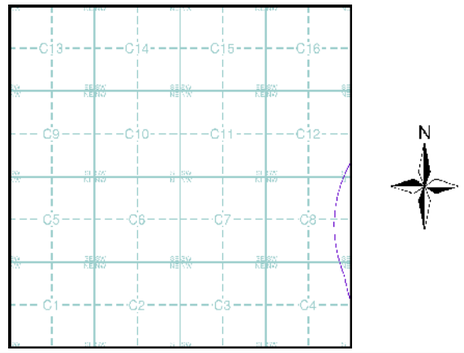
Agency and Hydrological (Boreholes)

- 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



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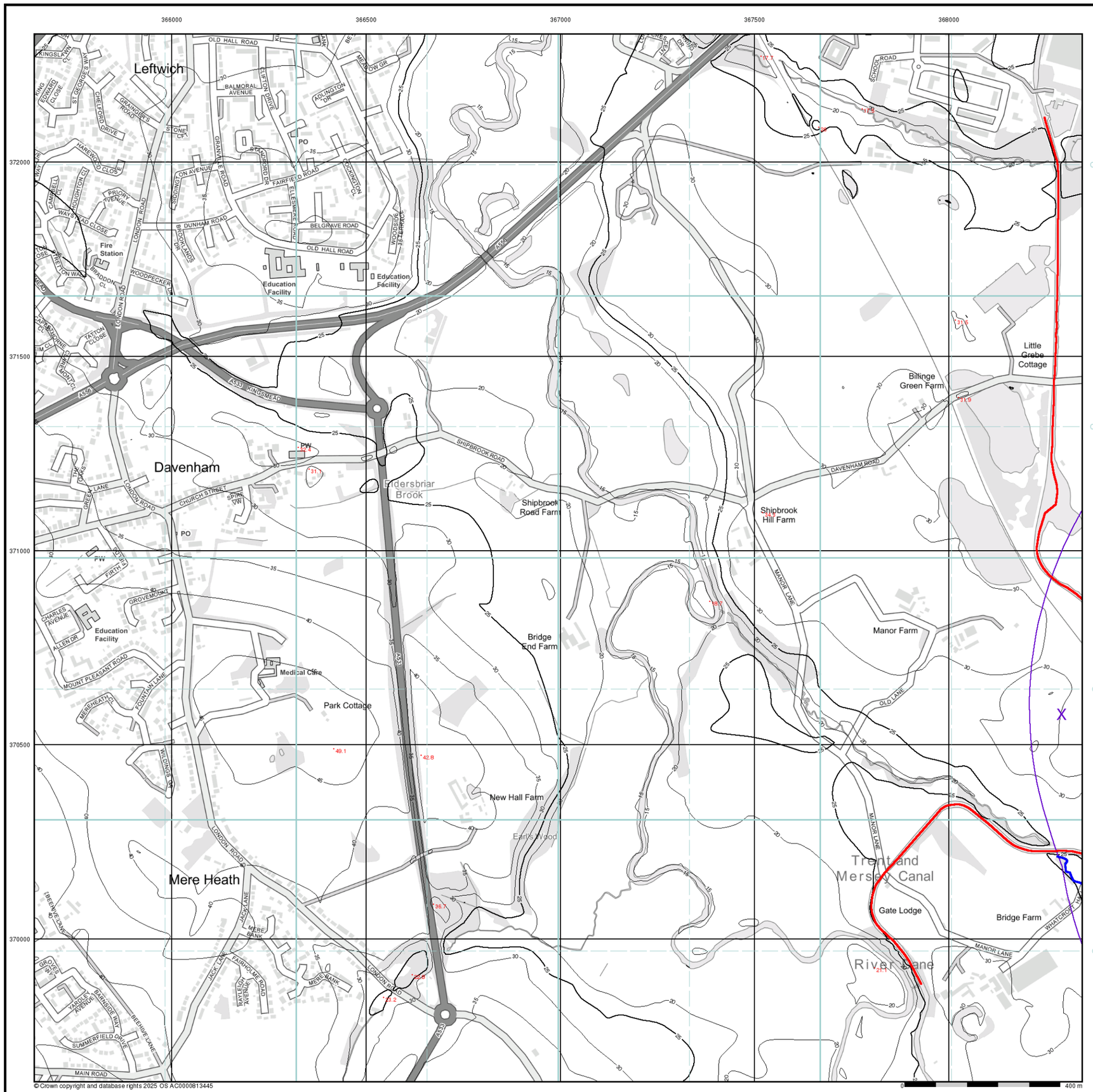
Web: www.envirocheck.co.uk



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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

Contours (height in meters)

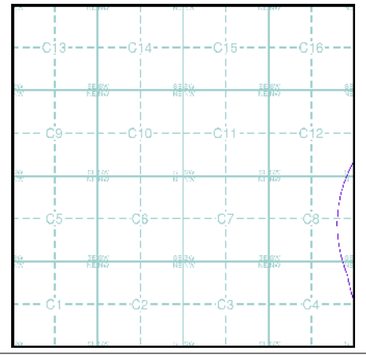
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice C



Order Details

Order Number:	381333716_1_1
Customer Ref:	Keuper Hydrogen - ERM ref. 0755727
National Grid Reference:	368290, 370580
Slice:	C
Site Area (Ha):	357.89
Search Buffer (m):	1000

Site Details

Site at, Byley, Cheshire West & Chester

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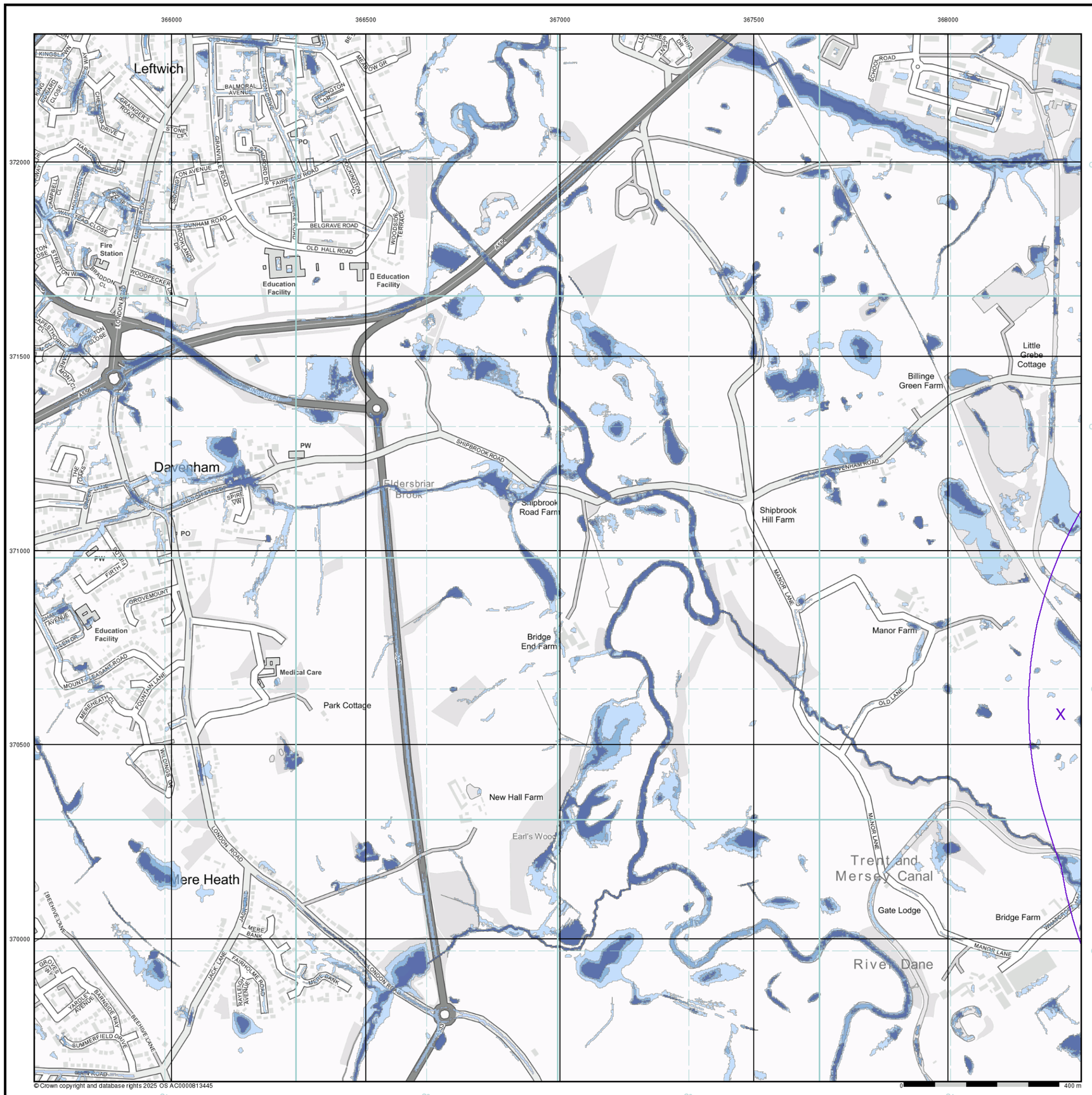

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General

- Specified Site
- Specified Buffer(s)
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Risk of Flooding from Surface Water

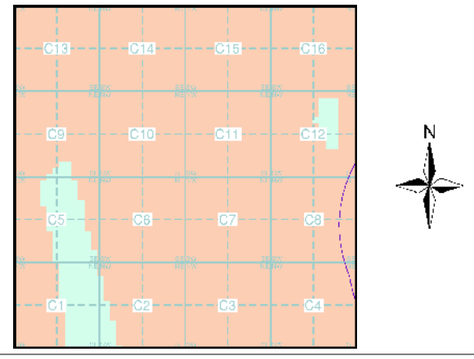
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice C



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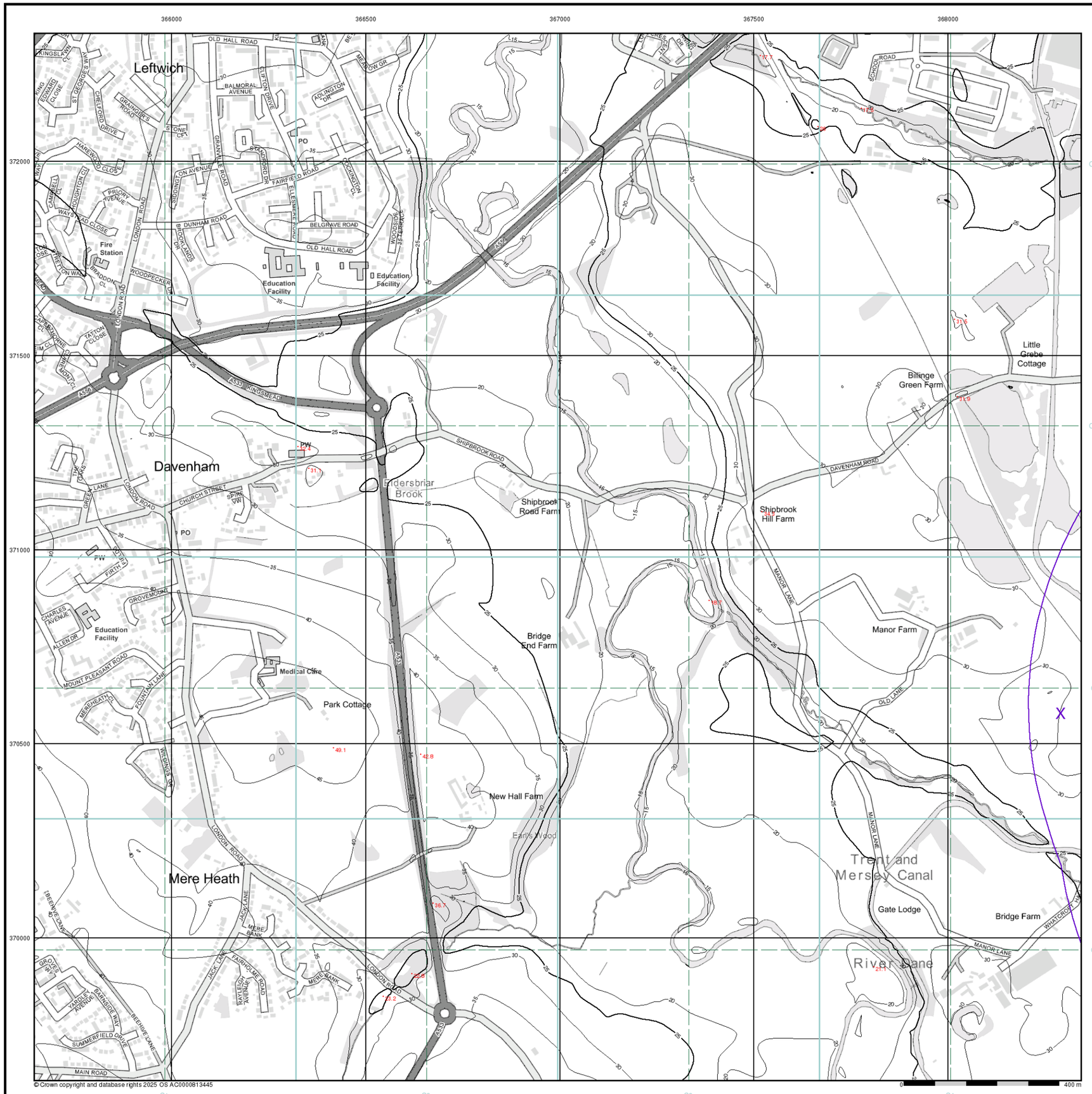

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WFD Surface Waters Map

General

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

Slice | Map ID

Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

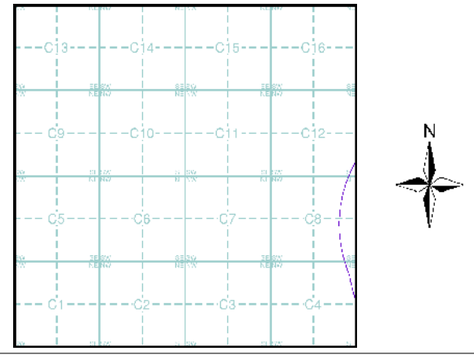
Contours (height in meters)

Standard Contour | Master Contour | Spot Height 167.3

MLW Mean Low Water

MHW Mean High Water

WFD Surface Waters Map - Slice C



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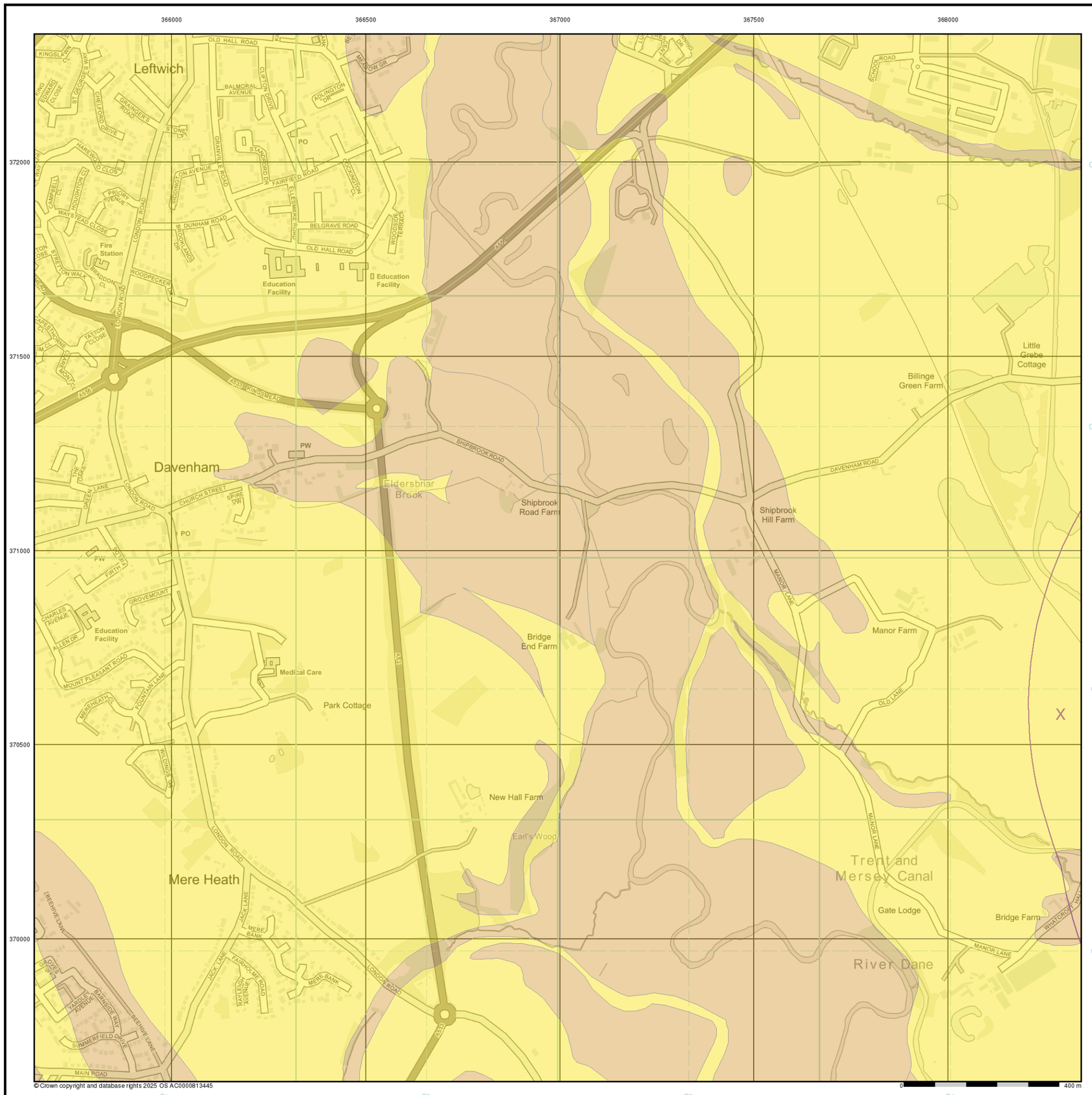

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General

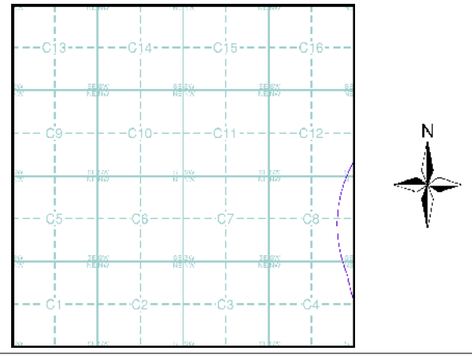
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice C



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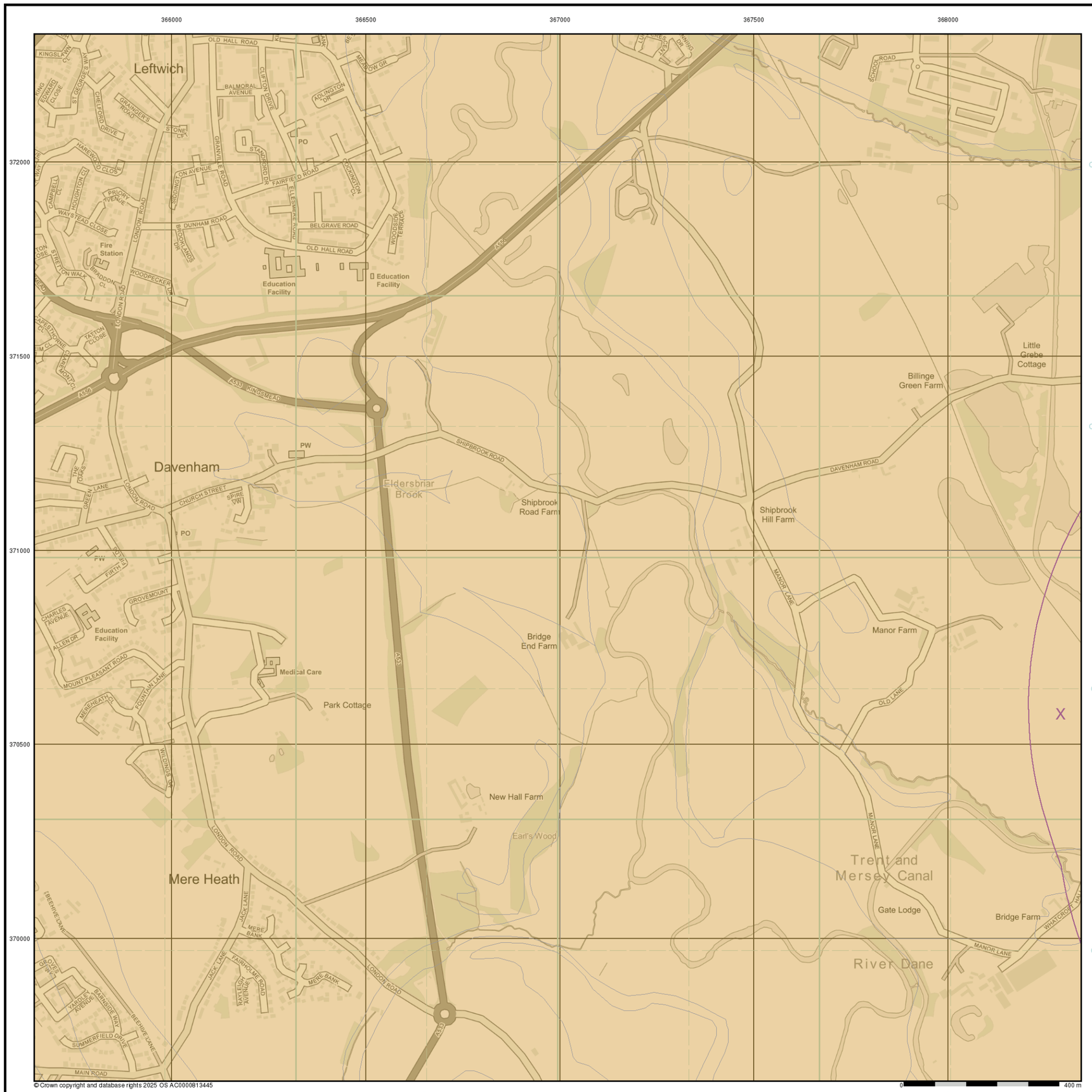

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General

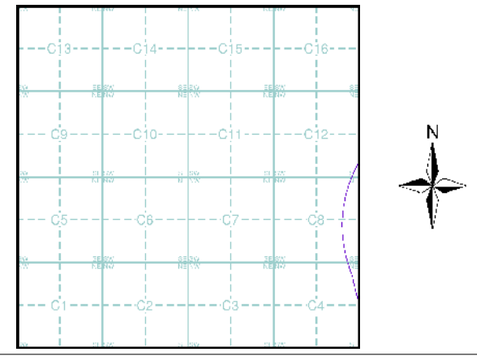
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice C



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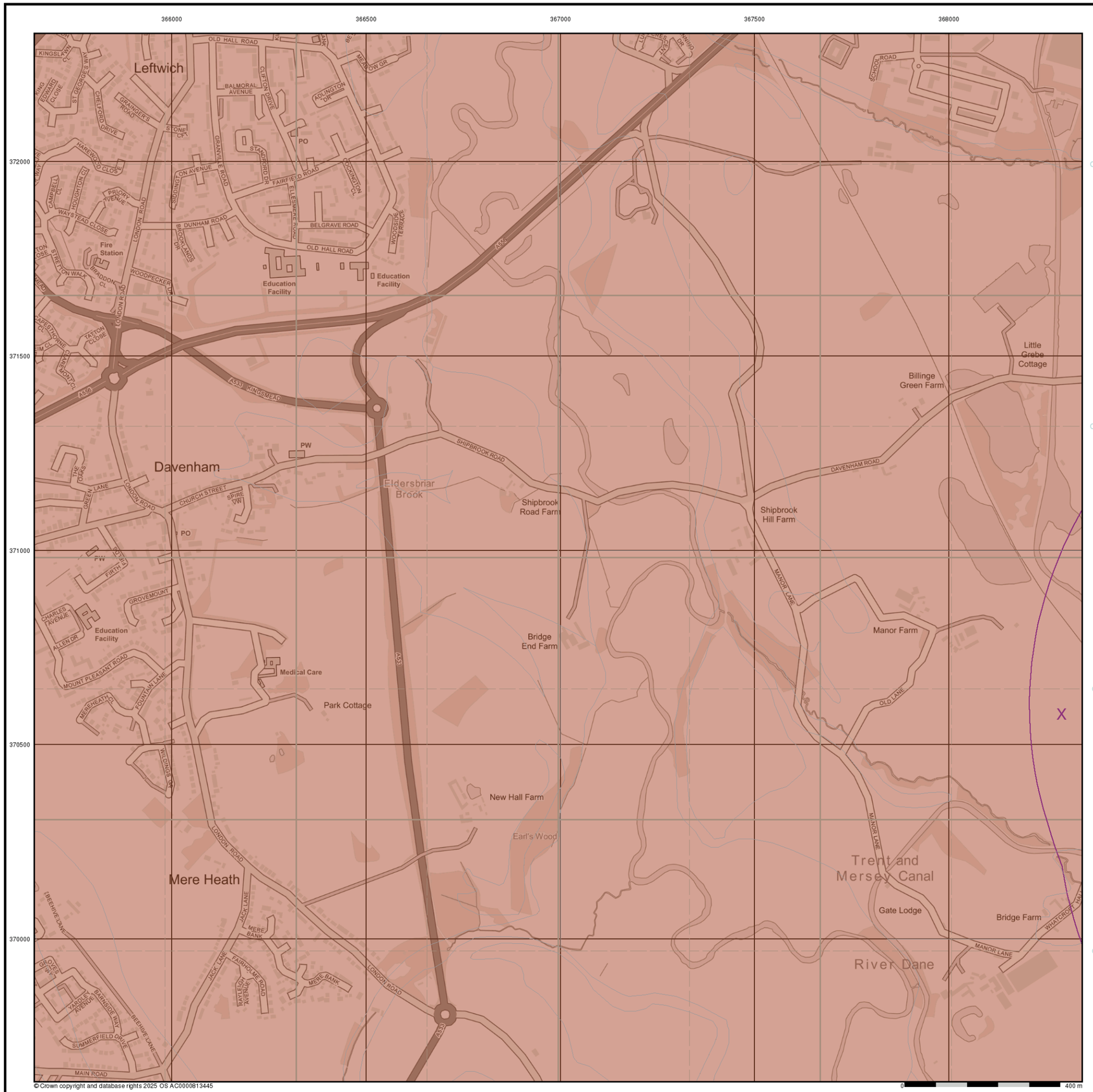

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General

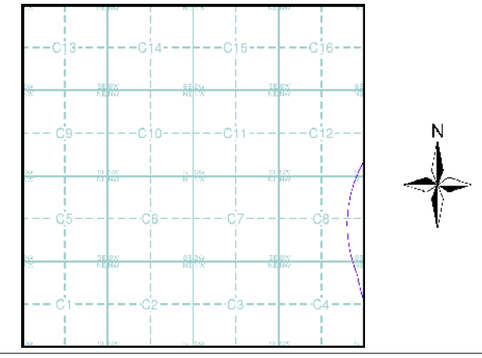
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice C



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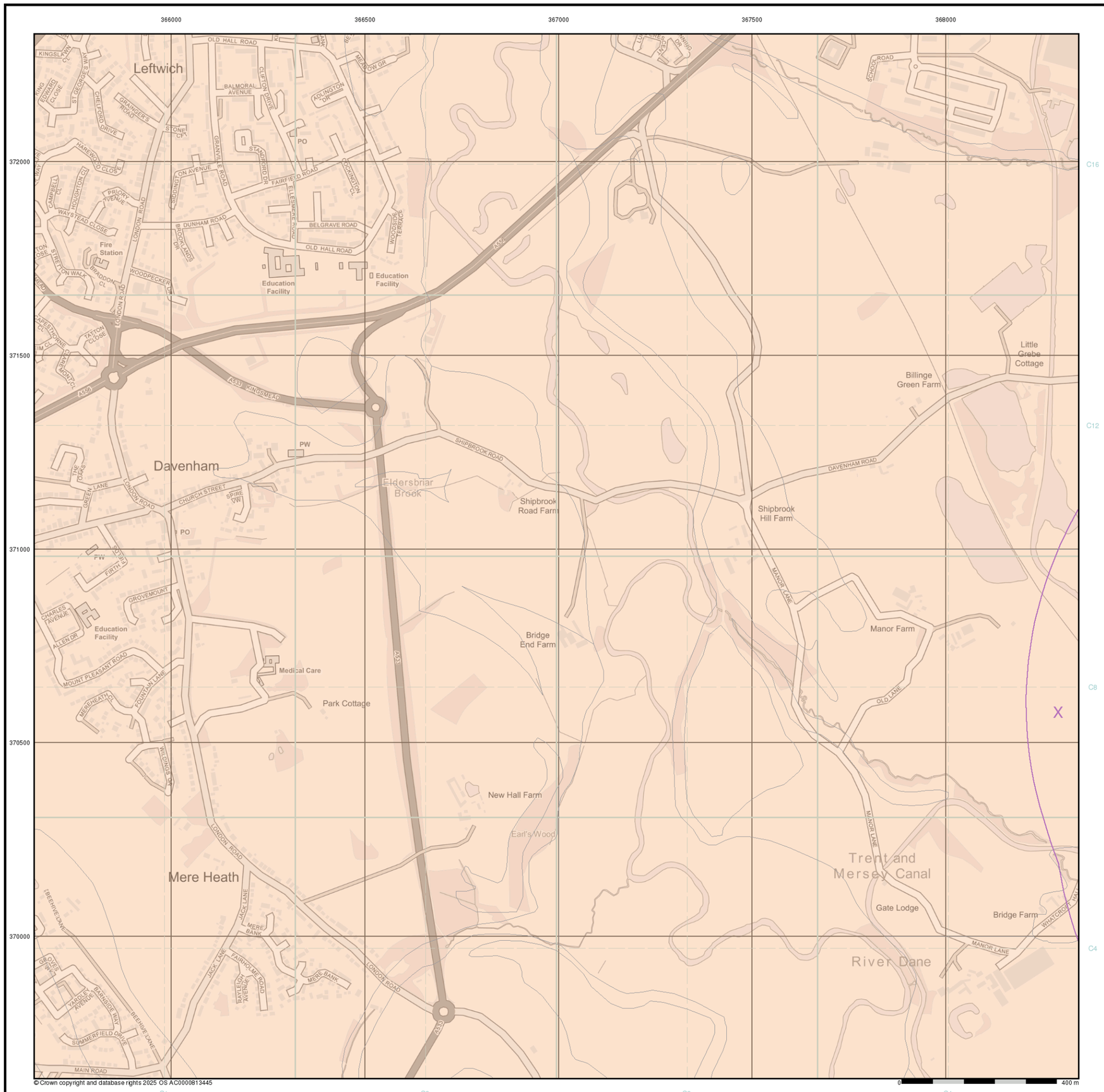

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General

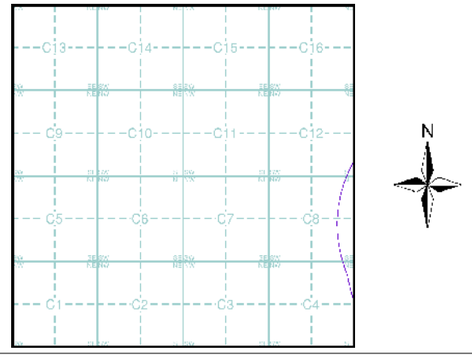
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice C



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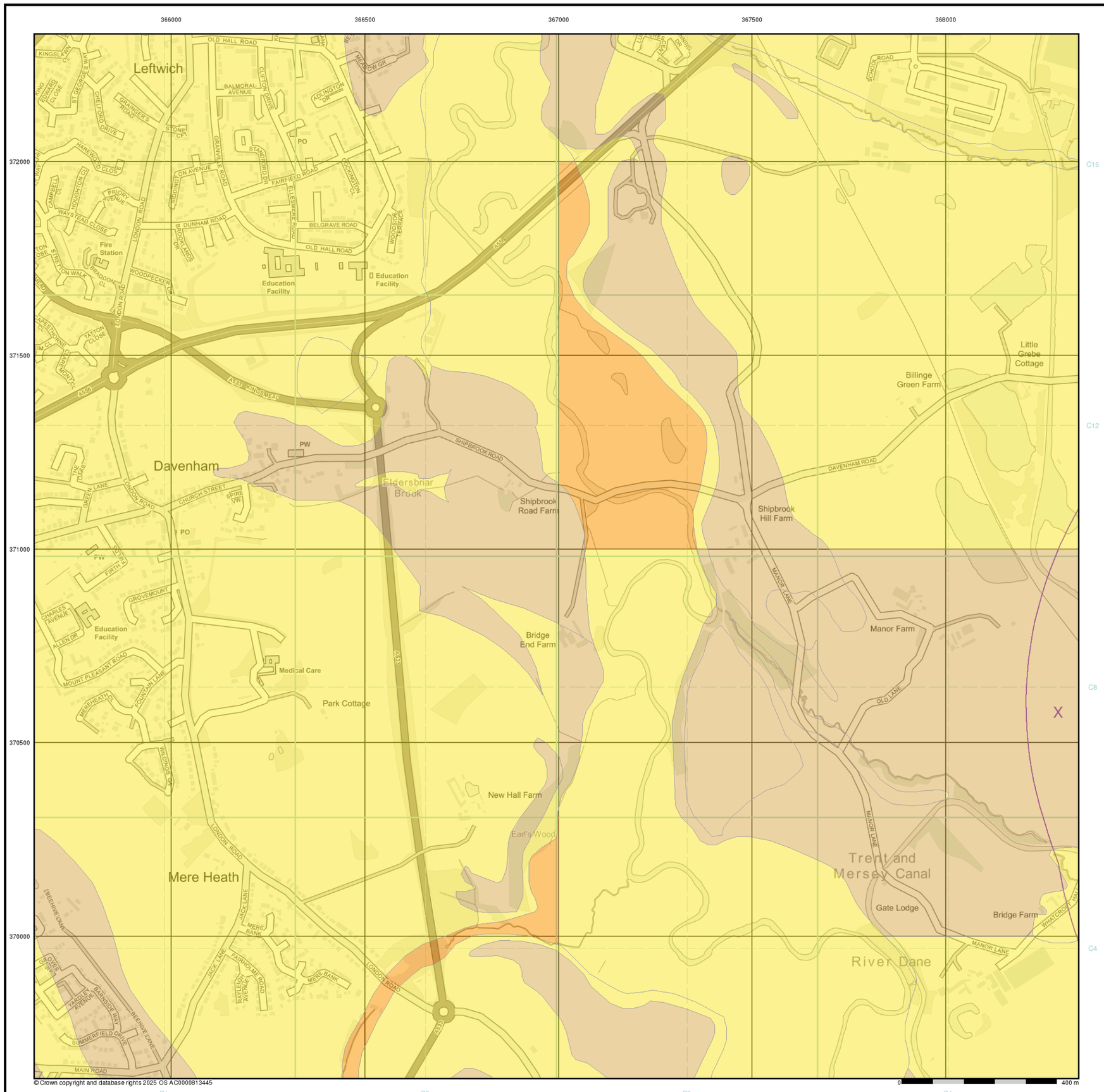

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General

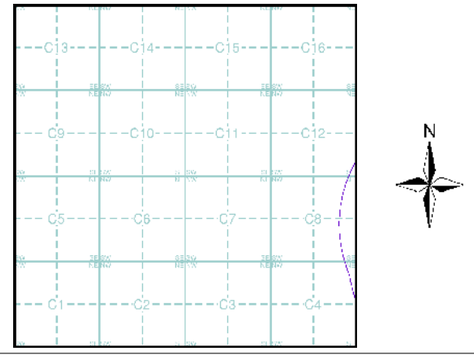
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice C



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Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Not Supplied - Quaternary
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	NWHF	Northwich Halite Member	Halite-stone and Mudstone	Not Supplied - Anisian
	BOM	Bollin Mudstone Member	Mudstone	Not Supplied - Anisian
	SIM	Sidmouth Mudstone Formation	Mudstone	Not Supplied - Olenekian
		Faults		

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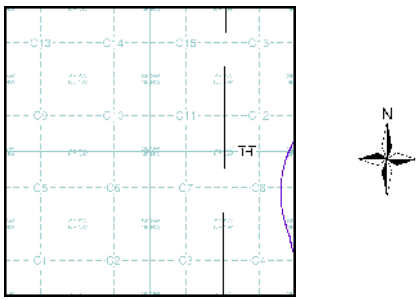
Geology 1:50,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID: 1
Map Sheet No: 110
Map Name: Macclesfield
Map Date: 1968
Bedrock Geology: Available
Superficial Geology: Available
Artificial Geology: Not Available
Faults: Not Supplied
Landslip: Available
Rock Segments: Not Supplied

Geology 1:50,000 Maps - Slice C



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National Grid Reference: 368290, 370580
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Site Details:

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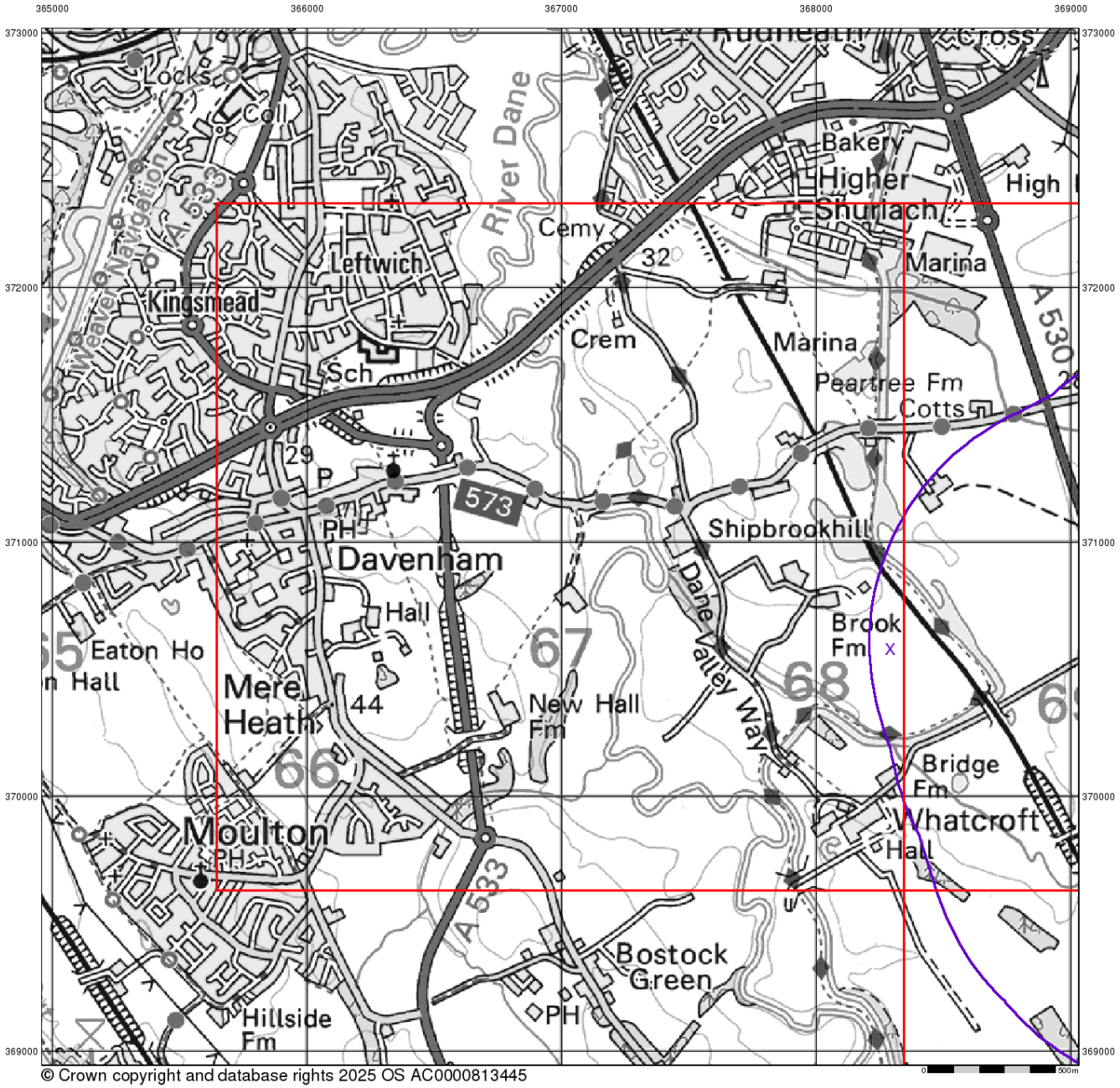

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Artificial Ground and Landslip

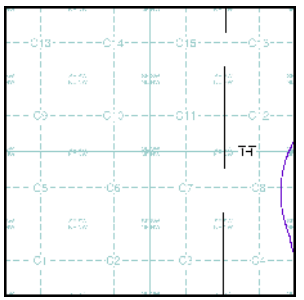
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice C



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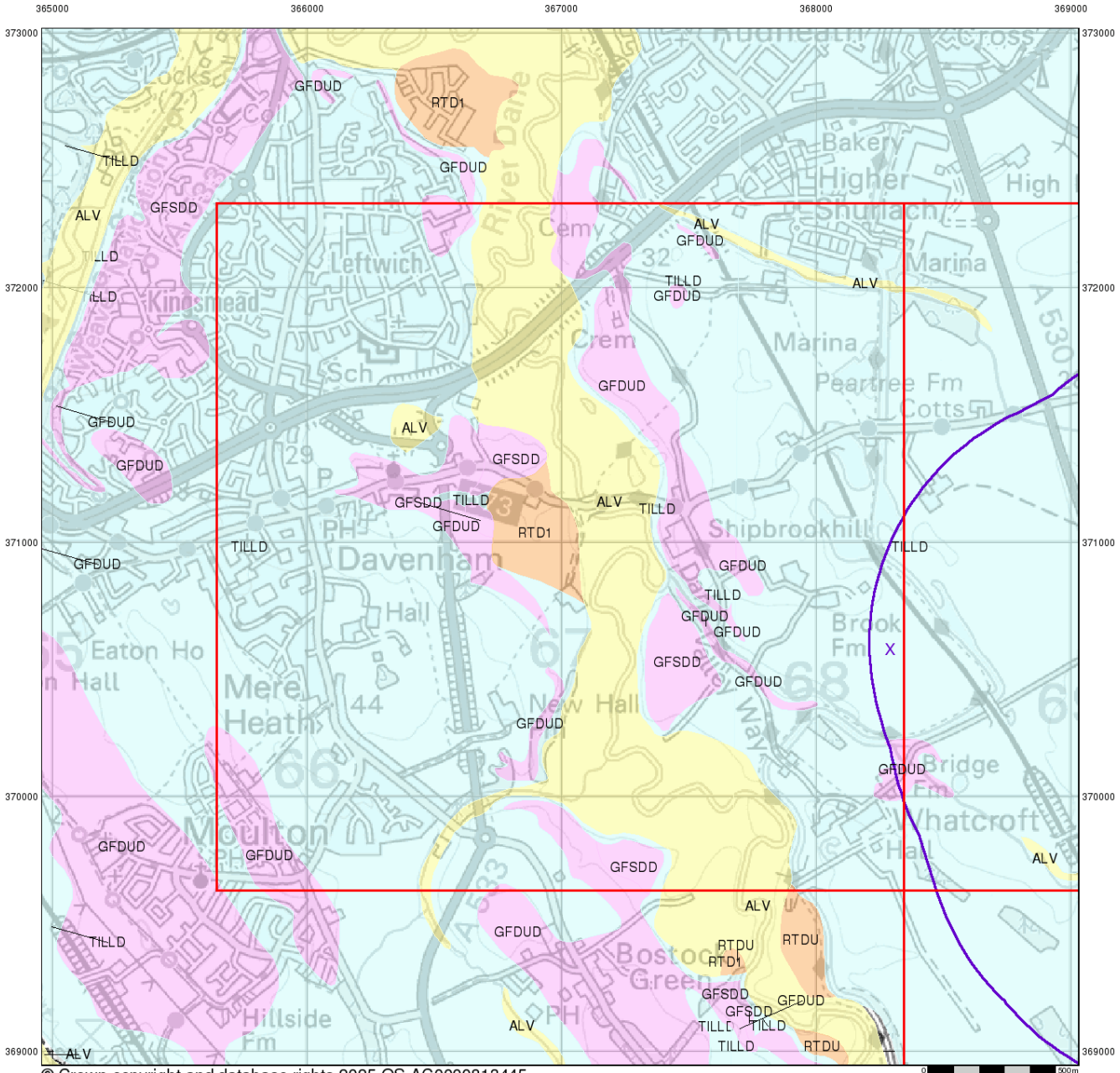

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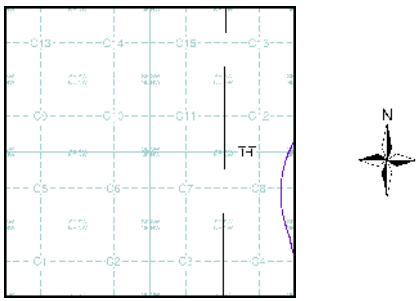
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice C



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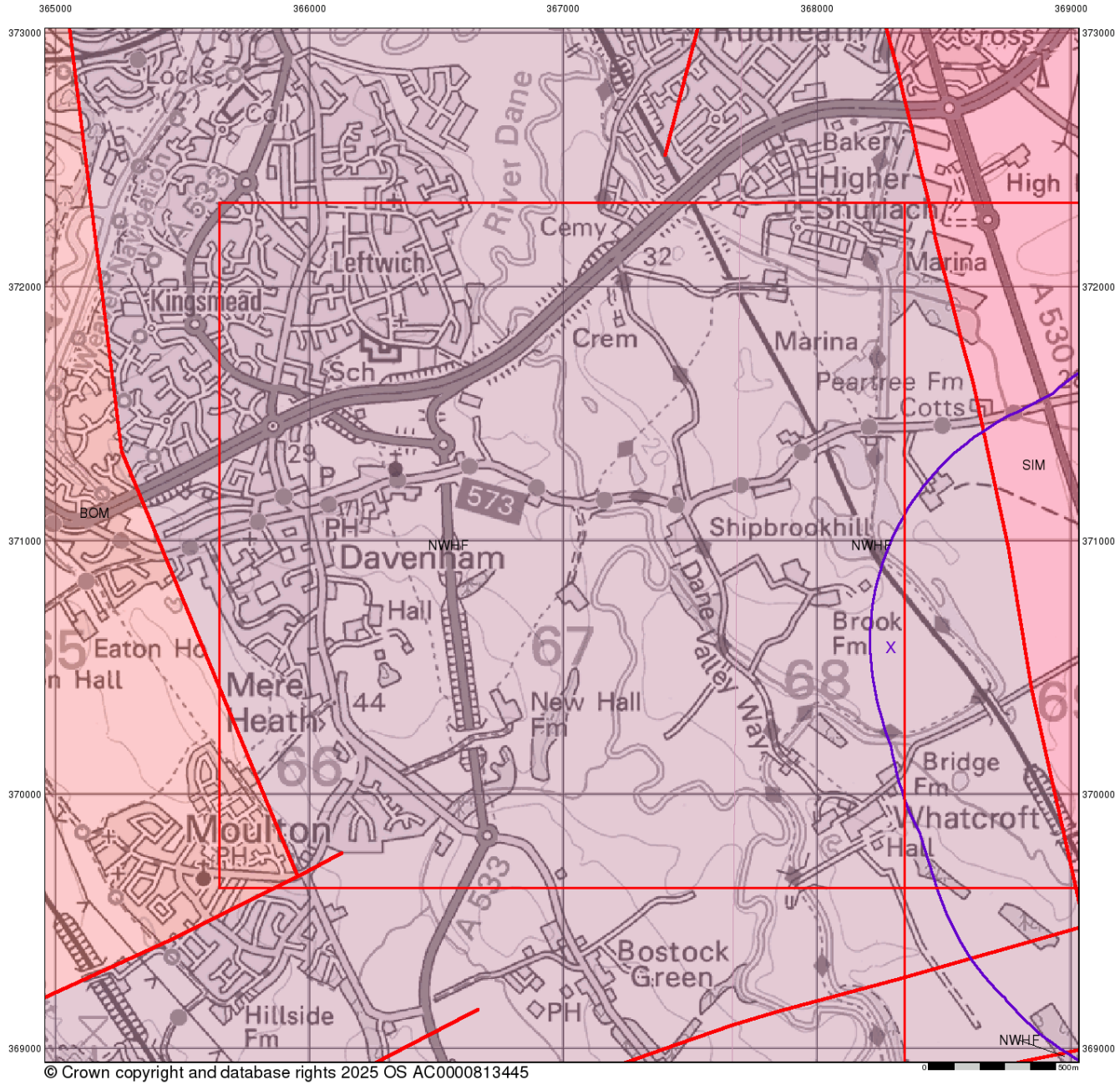

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Bedrock and Faults

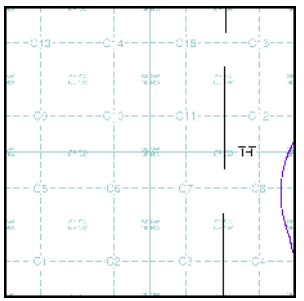
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice C



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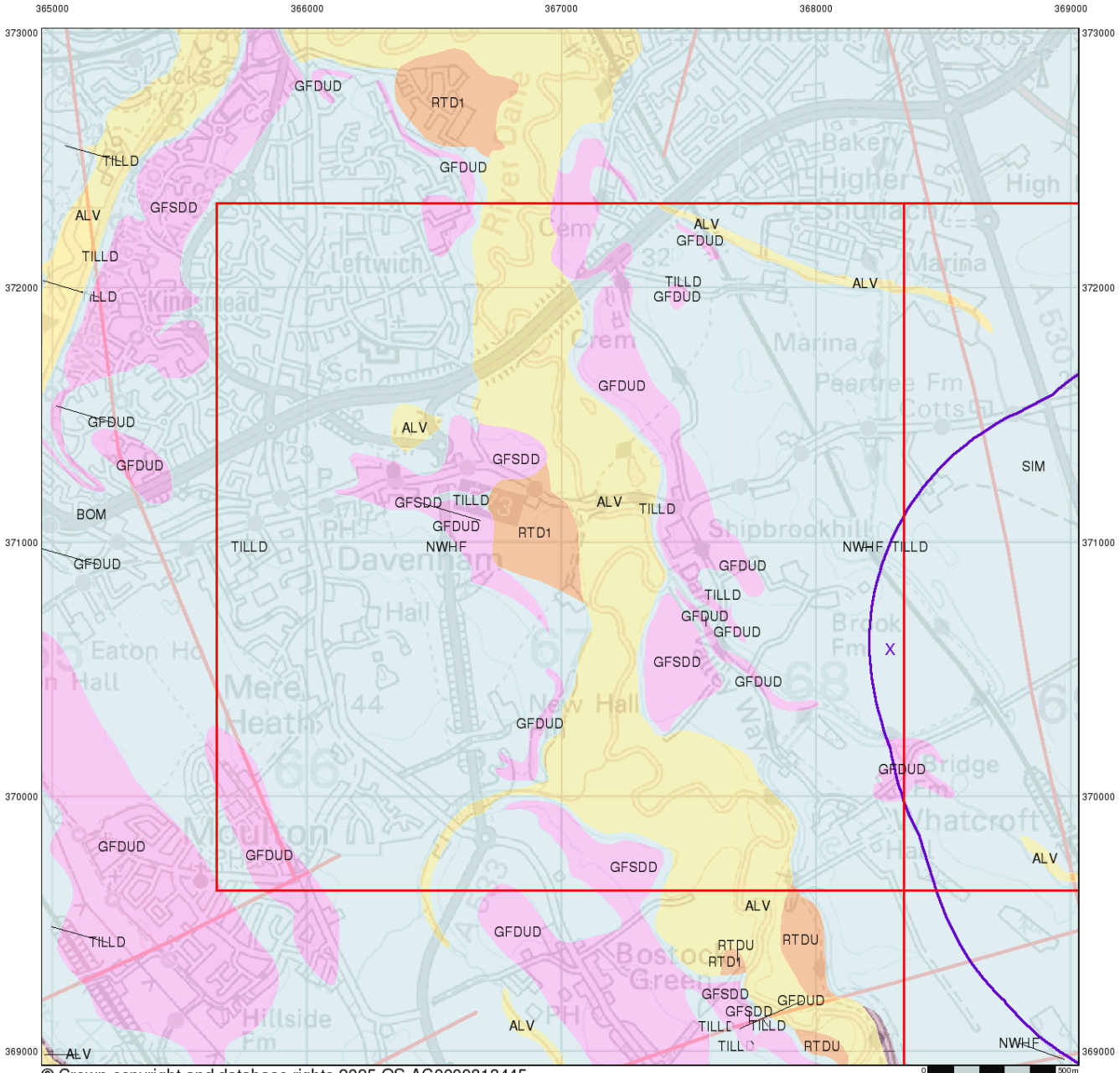

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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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Kingsley Dunham Centre
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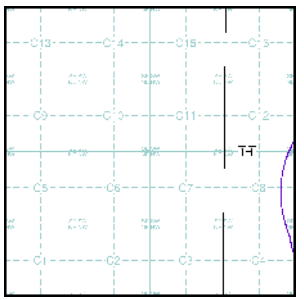
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice C



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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

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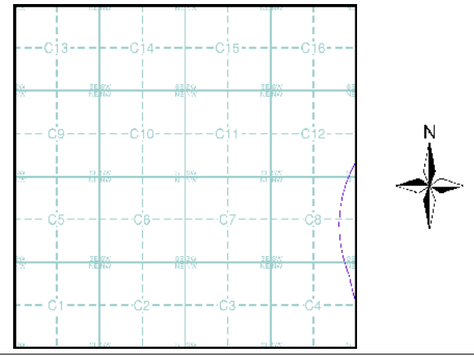
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:10,560	1882	2
Cheshire	1:10,560	1899	3
Cheshire	1:10,560	1911	4
Cheshire	1:10,560	1938	5
Ordnance Survey Plan	1:10,000	1954	6
Ordnance Survey Plan	1:10,000	1959	7
Ordnance Survey Plan	1:10,000	1965	8
Ordnance Survey Plan	1:10,000	1970	9
Ordnance Survey Plan	1:10,000	1977	10
Ordnance Survey Plan	1:10,000	1981	11
Ordnance Survey Plan	1:10,000	1993	12
10K Raster Mapping	1:10,000	1999	13
10K Raster Mapping	1:10,000	2006	14
VectorMap Local	1:10,000	2025	15

Historical Map - Slice C



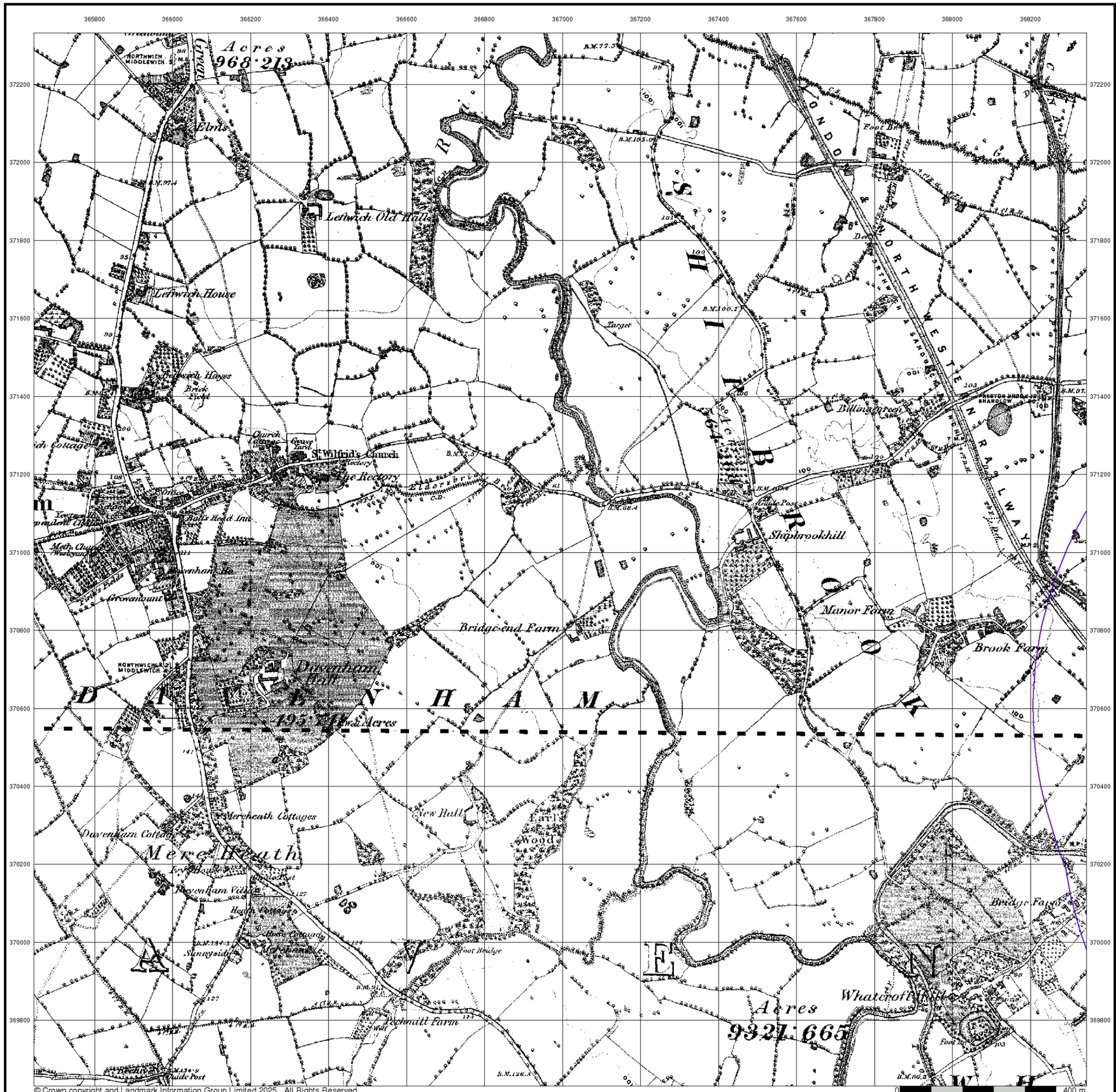
Order Details

Order Number: 381333716_1_1
Customer Ref: Keuper Hydrogen - ERM ref. 0755727
National Grid Reference: 368290, 370580
Slice: C
Site Area (Ha): 357.89
Search Buffer (m): 1000

Site Details

Site at, Byley, Cheshire West & Chester

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



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Cheshire

Published 1882

Source map scale - 1:10,560

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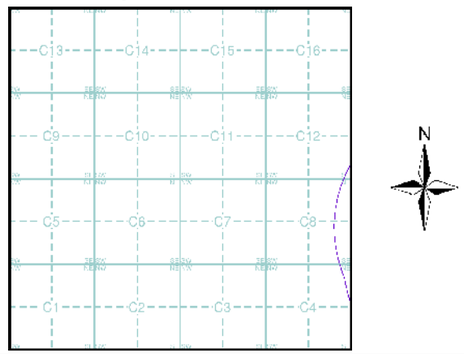
Map Name(s) and Date(s)

03400
1882
1:10,560

04100
1882
1:10,560

Historical Map - Slice C



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Slice:	C
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Search Buffer (m):	1000

Site Details

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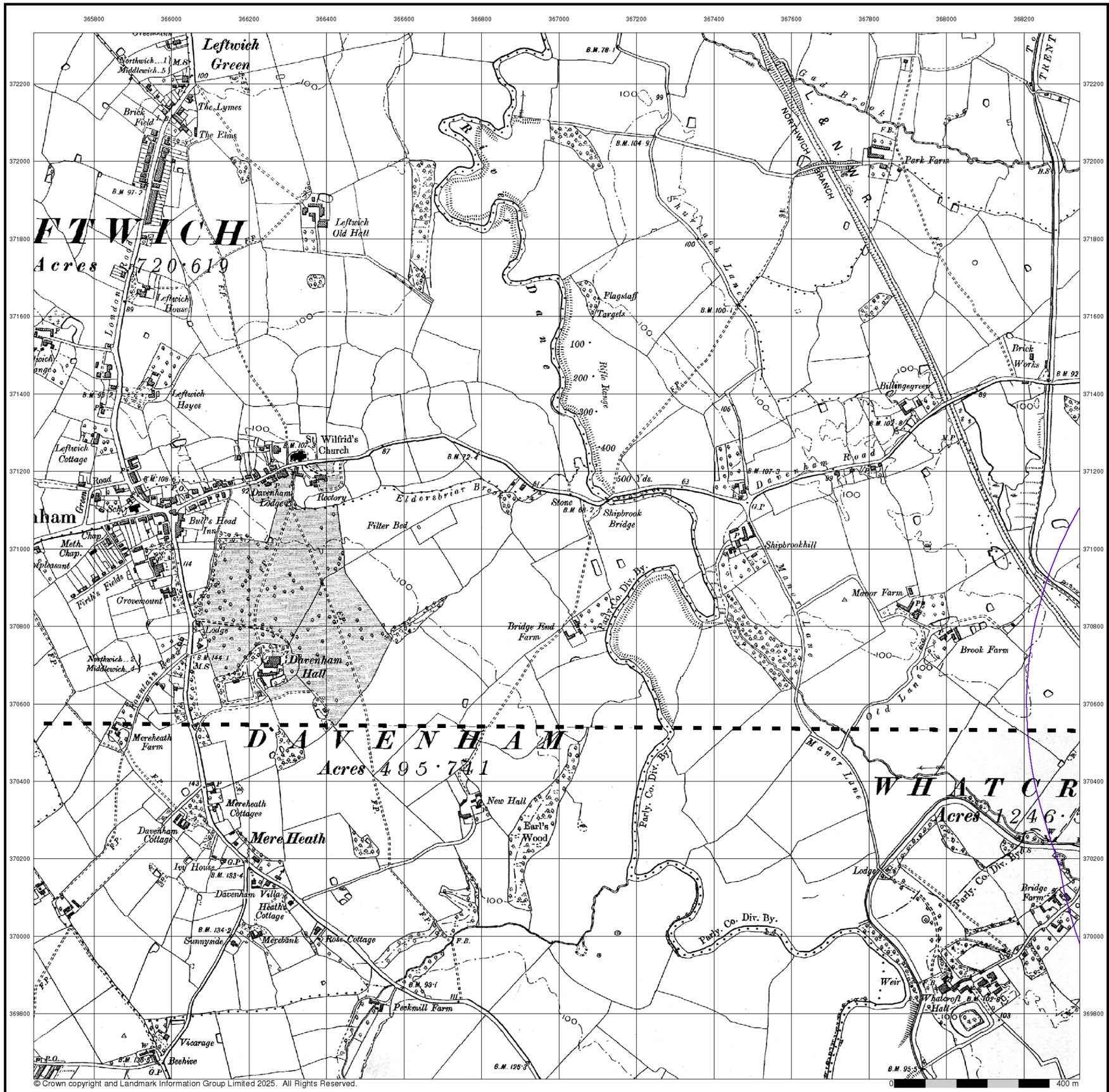
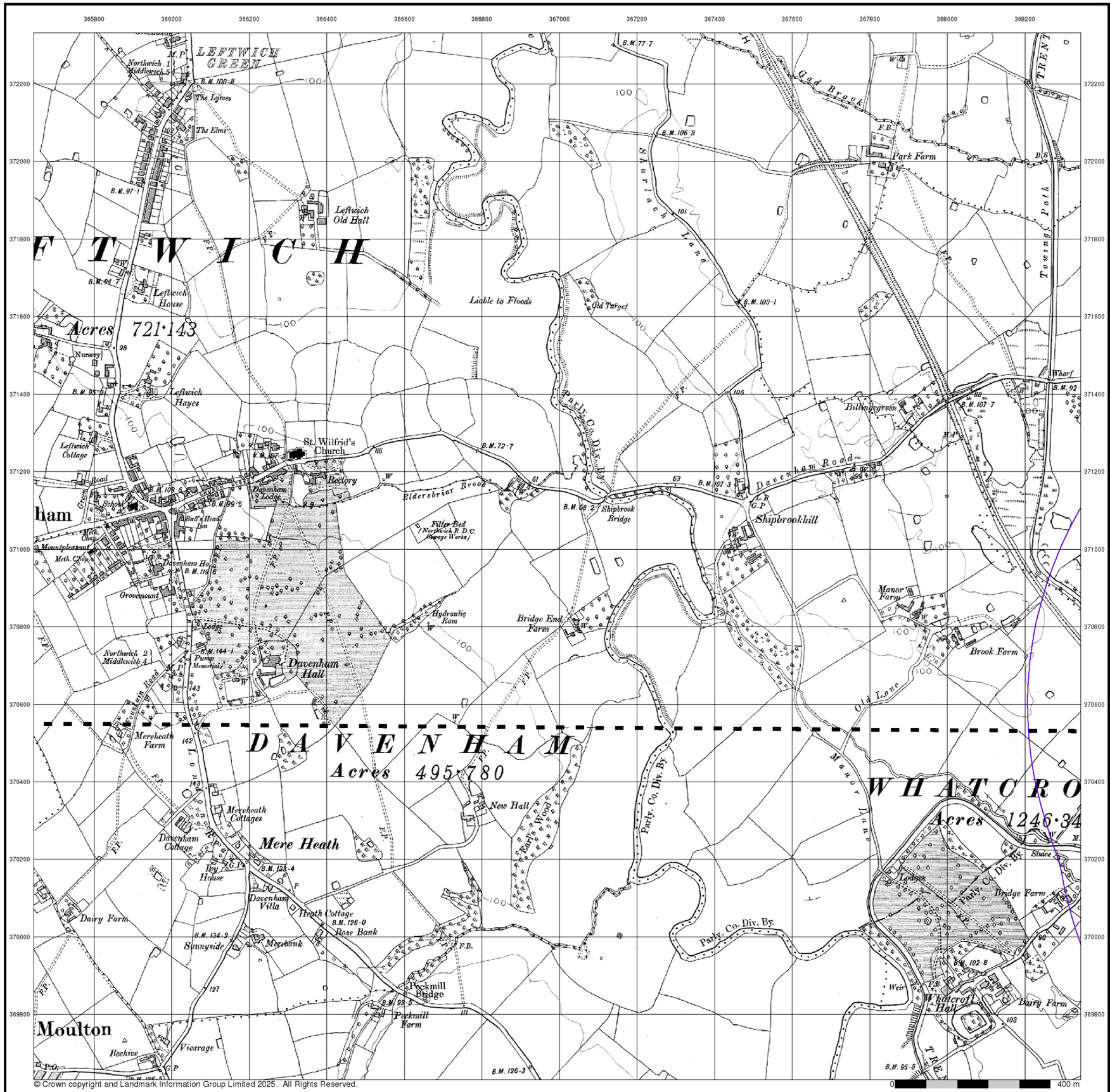

365800
366000
366200
366400
366600
366800
367000
367200
367400
367600
367800
368000
368200
372200
372000
371800
371600
371400
371200
371000
370800
370600
370400
370200
370000
369800
Leftwich Green
The Lymes
The Elms
Brick Field
Leftwich Old Hall
Leftwich House
Leftwich Hayes
Leftwich Cottage
London Road
Gad Brook
L. & N. W. R. NORTHWICH BRANCH
Park Farm
Shurlach Lane
Flagstaff Targets
Rifle Range
Brick Works
Billingegreen
Davenham Road
St Wilfrid's Church
Rectory
Davenham Lodges
Eldersbriar Brook
Filter Bed
Stone
Shipbrook Bridge
Shipbrookhill
Bull's Head Inn
Meth. Chap.
Firth's Fields
Grovemount
Manor Farm
Bridge End Farm
Brook Farm
Old Lane
Manor Lane
Parly. Co. Div. By.
Davenham Hall
Mereheath Farm
Mereheath Cottages
Davenham Cottage
Mere Heath
New Hall
Earl's Wood
Ivy House
Davenham Villa
Heath Cottage
Sunnyside
Merebank
Rose Cottage
Peckmill Farm
Vicarage
Beehive
Whatcroft Hall
Bridge Farm
Weir
Lodge
Lodge
Lodge



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Cheshire

Published 1911

Source map scale - 1:10,560

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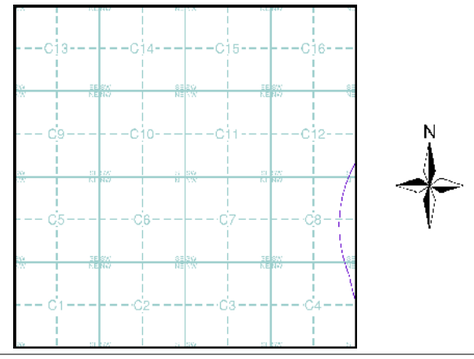
Map Name(s) and Date(s)

034SW
1911
1:10,560

041NW
1911
1:10,560

Historical Map - Slice C



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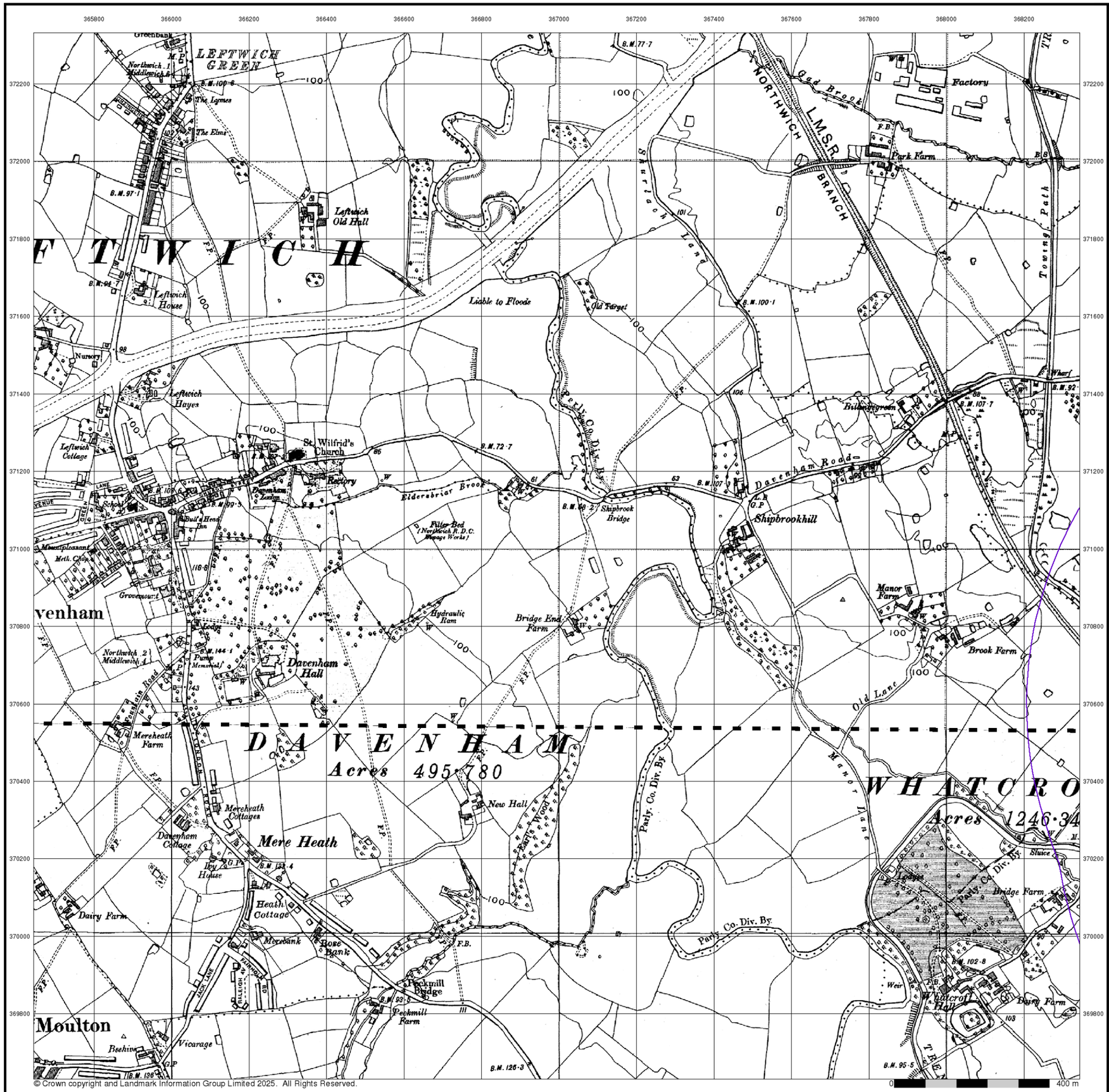

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Cheshire

Published 1938

Source map scale - 1:10,560

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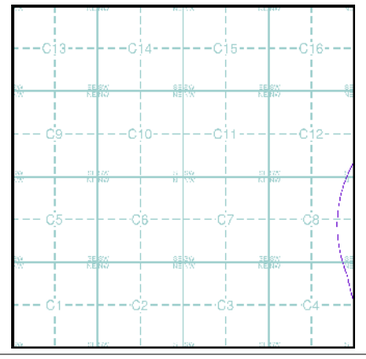
Map Name(s) and Date(s)

034SW
1938
1:10,560

041NW
1938
1:10,560

Historical Map - Slice C



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