

Redrow Homes Limited

Land at Stakehill, Rochdale

Preliminary Risk Assessment

Report No 322974 R01 (00)

RSK GEOSCIENCES

September 2022

RSK GENERAL NOTES

Project No.: Report No 322974 R01 (00)

Title: Preliminary Risk Assessment : Land at Stakehill, Rochdale

Client: Redrow Homes Limited

Date: September 2022

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Status: Rev 00

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Revision control sheet				
Revision ref.	**Date**	**Reason for revision**	**Amended by:**	**Approved by:**
Rev 00	28/09/2022	First issue	n/a	see above

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

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EXECUTIVE SUMMARY

<table>
<tr><td>Commissioning and purpose of assessment</td><td>RSK Environment Limited (RSK) was commissioned by Redrow Homes Ltd to carry out a preliminary risk assessment of the land at Stakehill, Rochdale, M24 2SB, grid reference 389096, 409377. The overall aim of the project was to assess land contamination sources and geotechnical constraints to the proposed development.</td></tr>
<tr><td colspan="2">DESK-BASED ASSESSMENT</td></tr>
<tr><td>Site description and proposed development</td><td>The site currently comprises agricultural land, occupies an area of approximately 89 hectares and is being considered for development for residential use.</td></tr>
<tr><td>History of site and surrounding area</td><td>The site was formerly used for agricultural and sand and gravel extraction. Potential sources of contamination identified on-site comprise a small known inert landfill and potentially backfilled former ponds and sand and gravel extraction excavations.
No significant potentially contaminative current activities have been identified in the immediate surrounding area that could affect the site.</td></tr>
<tr><td>Previous site investigation (SI) reports</td><td>There are no previous ground investigation reports available.</td></tr>
<tr><td>Geology and environmental setting</td><td>The site is underlain by superficial glacial till and undifferentiated fluvioglacial deposits over Pennine Lower Coal Measures Formation according to published geological data. There is also likely to be made ground associated with former sand and gravel extraction and demolished former agricultural and domestic dwellings.
The risk of significant ingress of radon into structures on-site is considered to be low and no radon protective measures are required within new dwellings (or extensions) at the site.
The superficial deposits are in the order of 75m to 80m thick and the likelihood of the site being influenced by underground coal mining is considered to be extremely low.
The site has been subject to past sand and gravel extraction, but it is unclear if these excavations have been subject to any backfilling.
Environmental receptors identified comprise:
Groundwater within the superficial deposits classified as secondary A and undifferentiated aquifer
Groundwater within the Pennine Lower Coal Measures classified as a secondary A aquifer
Groundwater abstractions for general agricultural use located 240m from site
A minor surface water stream rises on site. The nearest off site water feature is the Rochdale Canal (also a SAC and SSI), approximately 120m west.</td></tr>
<tr><td>Site reconnaissance findings</td><td>The site walkover showed that the site is predominantly in use for agricultural purposes, with two farms and a number of buildings associated with the former garden centre. Some changes in level are notable around the north eastern section of the site and there are stockpiles of demolition rubble which may include asbestos-containing materials. There are some ponds and drainage ditches on-site including culverts.</td></tr>
<tr><td>Geotechnical constraints assessment</td><td><table><tr><th>Hazard category</th><th>Engineering considerations</th></tr><tr><td>Sudden lateral changes in ground conditions</td><td></td></tr></table></td></tr>
</table>

<table>
<tr><td></td><td>
<table>
<tr><td>Highly compressible and low bearing capacity soils, (including peat and soft clay)</td><td rowspan="6">Likely to affect ground engineering and foundation design and construction</td></tr>
<tr><td>Silt-rich soils susceptible to rapid loss of strength in wet conditions</td></tr>
<tr><td>Running sand at and below water table</td></tr>
<tr><td>Existing sub-structures (e.g. culverts, foundations and adjacent sub-structures)</td></tr>
<tr><td>Filled and made ground (including embankments, infilled ponds and pits)</td></tr>
<tr><td>Site topography</td></tr>
<tr><td>Ground subject to or at risk from landslides</td><td>Likely to require special stabilisation measures</td></tr>
<tr><td>High groundwater table (including waterlogged ground)</td><td>May affect temporary and permanent works</td></tr>
</table>
</td></tr>
<tr><td>Initial conceptual site model (CSM) and preliminary risk assessment (PRA)</td><td>
Potentially complete contaminant linkages identified with a risk estimate of moderate to low or above include:
<table>
<tr><th>Potential source</th><th>Potential receptor</th><th>Possible pathway</th></tr>
<tr><td>Newhey Farm landfill</td><td rowspan="3">Future use - residential</td><td rowspan="3">Oral, dermal and inhalation exposure, ingestion of home-grown produce</td></tr>
<tr><td>Storage of oils / fuels / agricultural chemicals on-site</td></tr>
<tr><td>Above ground storage tank and associated pipework</td></tr>
<tr><td>Newhey Farm landfill indicated to comprise inert fill, but potential for gas generation exists</td><td>Future use - residential</td><td>Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/ asphyxiation</td></tr>
<tr><td>Newhey Farm landfill indicated to comprise inert fill, but potential for gas generation exists</td><td>Future buildings and services</td><td>Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion causing building damage</td></tr>
<tr><td>Made ground used to possible backfill old sand and gravel pits</td><td>Future use - residential</td><td>Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/ asphyxiation</td></tr>
<tr><td>Made ground used to possible backfill old sand and gravel pits</td><td>Future buildings and services</td><td>Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion causing building damage</td></tr>
</table>
Uncertainties and data gaps have been identified in the CSM at desk study stage and should be considered in the design of future intrusive investigation.
</td></tr>
<tr><td>Recommendations including issues for further assessment</td><td>
The following recommendations are made for further assessment of the site to address the risks identified above and to address remaining uncertainties:

an attempt should be made to investigate whether or not the former sand and gravel pits have been subject to placement of any materials following completion of extraction works.

</td></tr>
</table>

	Should materials have been found to have been placed then the composition and extent of these should be fully investigated and any potential effect on the future development fully evaluated • made ground is indicated to be present beneath the garden centre and assessment of this material, in relation to in situ geotechnical properties, load carrying ability and settlement characteristics, is recommended • Intrusive investigation and assessment will be required to determine options for foundation design and possible future ground treatment prior to development. This should include a site-wide determination of groundwater depth and flow direction • the precise nature and extent of the former Newhey Farm (inert) landfill should be determined • concentrations of methane and carbon dioxide that could be detrimental to the future development and future site users, whilst unlikely, are a possibility. Sufficient site-specific characterisation of the gas regime will be required for the proposed development. Assessment is recommended to understand conditions on site with respect to ground gases and risks associated with proposed structures. • no information is known relating to the storage of oils / fuels / agricultural chemicals on site.
The information given in this summary is necessarily incomplete and is provided for initial briefing purposes only. The summary must not be used as a substitute for the full text of the report.	

1 INTRODUCTION

1.1 Commissioning

RSK Environment Limited (RSK) was commissioned by Redrow Housing Limited to carry out a preliminary risk assessment report of the land at Stakehill, Rochdale. The project was carried out to an agreed brief as set out in RSK's proposal (Ref. 322974L01, dated 24 March 2022).

RSK's service constraints are shown in Appendix A.

The site in question is being considered for development for residential use.

1.2 Objectives

The work is to include a desk based appraisal of available information in relation to the subject site and to undertake a walkover inspection. The objective of the work is:

- to assess the existing soils, geology, hydrogeology and ground conditions and to determine likely ground and groundwater conditions (superficial and solid geology) across the site
- to assess the likelihood of historical contamination from past uses having the potential to affect surface water, soil or groundwater
- based on these findings prepare an initial conceptual site model assessing potentially complete pollutant linkages.

The site is partially located within a Coal Authority Development High Risk Area, therefore a coal mining risk assessment (CMRA) will be necessary to support any new planning application for site development. The CMRA is reported under separate cover and will include obtaining a Consultants Coal Authority Mining Report and other relevant documents relating to identified mining related legacy issues.

1.3 Scope of works

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

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

The scope of works for the assessment has included a desk based review of available information and a site walkover inspection. The desk study includes the following:

- review of the history of development on the site and surroundings

- assessment of local geology, hydrogeology and hydrology
- assessment of the potential risks from past, present and future coal mining activities (reported separately)
- review of relevant information held by appropriate statutory authorities
- review of any previous site investigation reports made available
- completion of a site reconnaissance survey to assess the visual condition of the site
- development of an initial conceptual site model (CSM)
- preliminary consideration of geotechnical constraints and hazards
- identification of the need for further action, e.g. intrusive investigations, if any.

The desk study includes a review of publicly available information and a commercially available database relating to the site including:

- geological maps (bedrock and superficial geology), hydrogeological maps, groundwater vulnerability maps, Environment Agency (EA) flood maps and soil survey maps
- a selection of borehole records held by the British Geological Survey to assist in confirming geological conditions
- Historical Ordnance Survey plans for all available survey editions and site-specific entries from the commercially available database
- EA surface water quality, abstraction and discharge records plus aquifer designation and source protection zones
- EA and local authority data on the location of waste sites, pollution incidents and potentially contaminated sites.

1.4 Existing reports

The following reports detailing previous works at the site were made available for review:

- REC Ltd, Phase I Geo-Environmental Site Assessment, Land at Manchester Road, Middleton, Report Referenced 107412p1r0 and dated April 2019.

Pertinent information from this earlier assessment have been used in subsequent sections of the present report.

1.5 Limitations

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

2 SITE DETAILS

2.1 Site location

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

Table 1 Site location details

Site name	Land at Stakehill
Full site address and postcode	Rochdale, M24 2SB
National Grid reference (centre of site)	389096, 409377

2.2 Site description

The site boundary and current site layout are shown on Figure 2. The site covers an area of c. 89 hectares. It is currently occupied by several farms and a garden centre.

The site is approximately rectangular in shape with the long axis aligned north-south and comprises almost entirely agricultural land. It is crossed by Thornham Lane in its southern part and by numerous farm tracks and footpaths.

The site generally slopes down from a high point (182m) located just northwest of Thornfields Farm, close to the site eastern boundary, with the lowest point (132m) being the extreme southwest corner of the site.

St John's Church is located in the southwestern corner of the site, with Thornham Primary School also located on Thornham Lane in the south of the site. Newhay and Thornfields Farms are located in the central western and eastern parts of the site, respectively.

2.3 Surrounding land uses

The site is located between Slattocks and Rochdale, immediately east of the village of Trub and southwest of Junction 20 of the M62, within a predominantly rural setting. Immediate surrounding land uses are described in Table 2.

Table 2 Surrounding land uses

North	Thornham New Road, with M62, beyond
East	A627 (M) with agricultural land, beyond
South	A627 (M) with agricultural land, beyond
West	Residential and commercial properties

2.4 Development plans

The proposed layout of the site, at the time of preparing this report, is shown in Figure 3.

The site is to be developed for residential housing with associated access roads and private gardens with additional areas of soft landscaping. The land to the south of Thornham Lane and to the north of Thornham New Road is not being developed for housing but may be re-landscaped.

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

There are currently no active planning applications pertaining to the site according to the Rochdale Council planning portal.

3 DESK-BASED ASSESSMENT

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

The study aims principally to identify and assess the potential risks and liabilities associated with potential contamination of the ground, on and in the vicinity of the site. While this includes consideration of current operations and housekeeping on the site, the report does not constitute a comprehensive environmental audit of the site, as covered under ISO 14001.

3.1 Site history

3.1.1 Historical development record

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

Table 3 Summary of historical development

Date from	Date to	Historical Land Use (on-site)	Area of site
1851	Present	Agricultural	All
Pre-1910	Present	St John's Church	Southwest
1954	1975	Possible greenhouses	Southwest
1893	1939	Farm buildings (Carr Gates)	South
1893	1975	Farm building	South
1893	1955	Sand pit	Southeast
1893	Present	School	South
1939	1975	Possible material deposition (pre-garden centre)	West
1977	Present	Garden centre	West
1954	Present	Material deposition	200m south of Newhay Farm
1954	1970	Overhead electrical cables	West (N-S)
1955	1975	Hydraulic ram	Central east
1955	1984	Tank	80m NW of Thornfields
1922	1984	Sand and gravel extraction	North

Date from	Date to	Historical Land Use (on-site)	Area of site
1970	1984	Ponds	North and south
2000	Present	Mobile phone mast	East boundary
1976	1977	Electrical substation	North boundary
2021	Present	Mobile phone mast	South boundary
Date from	**Date to**	**Historical Land Use (off-site)**	**Distance (m) and orientation**
Pre-1890	Present	Agricultural	Immediately south
1851	Present	Reservoir	Immediately south
1973	Present	Industrial estate	250m south
1973	Present	A627(M)	Immediately south and east
1929	Present	Residential housing	Immediately west
1893	1975	Sand pit	100m northwest
1937	Present	Sand pit	50m northwest
1956	1956	Three tanks	20m north
1970	Present	M62	Immediately north
1975	Present	Residential housing	Immediately northwest
Relevant information sources: Historical OS maps ☒ Town plans ☐ Information from the Local Planning Authority ☐ Aerial photography ☒ Previous report ☒			
Note: Reference to published historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.			

The main historical features which may affect the site, in terms of risk from potential contaminative land uses include material deposition, former sand and gravel extraction pits (possibly infilled) and the former locations of agricultural buildings, ponds and tanks. These features are indicated on the constraints plan, Figure 5.

3.1.2 Unexploded ordnance

A review of publicly available unexploded ordnance (UXO) risk maps indicates that the site is located in an area with low potential for wartime bombs to be present (Zetica, 2022).

3.2 Information from environmental database report

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

Table 4 Summary of environmental permits, landfills and incidents

Data type	Entries on-site	Entries <250m from site	Entries >250m from site of relevance	Details
Agency and hydrological				
Environmental permits – incorporating Integrated Pollution Prevention and Control, Integrated Pollution Controls, Local Authority Integrated Pollution Prevention and Control	0	0	-	-
Enforcement and prohibition notices	0	0	-	-
Pollution incidents to controlled waters, Prosecutions relating to controlled waters, Substantiated pollution incident register, Water Industry Act referrals	0	1	-	Category 3 – Minor incident. Unknown pollutant reported as impacting Whit Brook within the Irk catchment in 1995.
Discharge consents	0	0	-	-
Registered radioactive substances	0	0	-	-
Landfill and waste				
Active landfills	0	0	-	-
Historic / closed landfills	1	0	-	Drake Brothers Location: Land At Newhey Farm, Chesham Avenue, Castleton, Rochdale, Greater Manchester Provider Reference: EAHLD15862 First Input Date: 31st December 1984 Last Input Date: 28th February 1985 Specified Waste Type: ceramic waste, construction/demolition , inert/non-haz/non-tox, glass/cullet, inert

Data type	Entries on-site	Entries <250m from site	Entries >250m from site of relevance	Details
				waste, metal scrap, plastic/polythene (including sacks), soil, clay, sand, stone, brick, concrete, slate and wood waste/timber WRC Ref: 4200/9042 Other Ref: RD/LIC/305/83, D051
Other waste management licences	0	0	-	-
Potentially in-filled land (pit, quarry, pond, marsh, river, stream, dock etc)	2	8	-	Nature of fill unknown in all cases
Hazardous substances/ industrial land uses				
Control of Major Accident Hazards (COMAH) sites	0	0	-	-
Explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS), Planning hazardous substance consents/ enforcements	0	0	-	-
Contaminated land Part 2A register entries and notices	0	0	-	-
Contemporary trade directory entries	1	10	0	On-site road haulage services now inactive. Active entries within 250m include domestic cleaning, electricals, furniture manufacture and metal finishing
Fuel station entries	0	2		Penny Petroleum – closed, 34m to west BP Hopwood service station - open, 100m to southwest
Note: Entries have only been included within the table where they are located within a 250m radius of the site or, where they fall outside of this radius but are considered to comprise a significant entry.				

3.3 Information from regulatory authorities

3.3.1 Planning records

There are no planning records held by the Local Authority Planning Department pertaining to the site.

3.3.2 Site services

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

Obtaining a full set of service plans was outside the scope of this report. Any services identified on-site during the walkover are detailed in Section 4.

3.4 Site geology

3.4.1 Anticipated geological sequence

Published records (British Geological Survey, Sheet 85, Manchester, 2010) for the area and available historical borehole logs indicate the geology of the site to be characterised by the succession recorded in Table 5. There are 6 publicly available BGS historical boreholes located on or within 250 m of the site, a selection of the borehole records from these are presented in Appendix D.

Table 5 Site geology

Strata	Description	Estimated thickness	Permeability
Made ground	Infill to former sand and gravel pits, ponds, etc. May include 'inert' waste deposits	0 to 10m	Low to high
Glacial till	Clay to sandy clay, unsorted, with common pebbles, cobbles and some boulders	12m to 75m	Generally low to very low
Fluvioglacial deposits, undifferentiated	Sand and gravel with lenses of clay and stony clay	27m to 68m	Medium to high
Pennine Lower Coal Measures Formation (Carboniferous)	Mudstone and siltstone interbedded with fine to medium sandstone, subordinate seatearths, marine bands, ironstones and coal seams	Greater than 142m proven in BGS borehole 14m to west 307m to base proven in BGS borehole 203m to east	Variable
Relevant information sources: BGS Geoindex ☒ BGS borehole logs ☒ Previous SI report ☐			

The site lies within the north-south orientated Proto-Roch buried fluvioglacial channel, which has resulted in the presence of a significant thickness (estimated from BGS borehole logs to be 75m to 85m) of superficial deposits underlying the site.

A major northwest to southeast orientated fault is indicated to cross the site. Downthrow is indicated to be to the northeast.

The Arley Coal seam is indicated to sub-crop beneath the superficial deposits both to the northeast and southwest of the site, as indicated on Figure 5. The subcrop position is conjectured (i.e. not accurately known) and the bedrock dips at a shallow angle (little information is available for the site area but from surrounding areas this is expected to be around 10 degrees or so) to the southwest. On the available borehole records, taken to this depth, the Arley coal seam (and others recorded) was intact (i.e. with no evidence of underground working) and was approximately 1.8m in thickness.

With reference to the historical data there have clearly been some minor phases of localised construction and demolition on the site and therefore the presence of some made ground should be expected.

3.4.2 Radon

The environmental database report indicates that the site is not located within an 'Affected Area' in respect of radon. An 'Affected Area' is one with 1% or more homes above the radon Action Level of 200 Bq m^{-3}. Therefore, the risk of significant ingress of radon into structures on-site is considered to be low and no radon protective measures are required within new dwellings (or extensions) at the site. Note the site-specific assessment within the environmental database report is at a higher resolution and therefore provides greater detail than that publicly available in the indicative radon atlas at www.ukradon.org.

3.5 Mining and quarrying

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

3.5.1 Coal mining area

The site is located over Coal Measures bedrock and may therefore have been affected by coal mining activities. In these areas the assessment of mining legacy issues should be carried out in accordance with the guidance provided by the Coal Authority, who adopt a risk-based approach for the advice that they offer on proposed development sites. The Coal Authority are a statutory consultee to Local Planning Authorities in respect of building development within the defined coal mining areas of England, Wales and Scotland where a planning application is required.

An initial site appraisal has been carried out based on the information provided on the Coal Authority Interactive Viewer of the UK Coalfield areas. This indicates the site lies within the Coal Authority Consultation Area and includes Development High Risk Areas. It is a requirement for development within a High Risk Areas to prepare a desk-based Coal Mining Risk Assessment (CMRA) report to support planning applications for new building developments.

A CMRA needs to consider a number of sources of information to determine coal mining issues relevant to a site, it then needs to identify and assess the site-specific coal mining risks and propose an appropriate mitigation strategy relevant for the proposed site end-use. This approach has been followed by RSK in preparing the separate CMRA report for the site, referenced 322997 R-02 and only key findings are summarised in the following sections.

The key findings from review of the datasets from the Coal Authority are summarised in Table 6.

Table 6 Summary of key coal mining information

Item	Applicable to site?	Comment
Development High Risk Area on-site	Yes	This is restricted to the anticipated subcrop position of the Arley Coal seam sucrops beneath the site. However this is known to be at significant depth (beneath the superficial deposits) and is not considered a risk to the proposed development
Coal mine entries	No	-
Past shallow workings (recorded)	No	-
Probable shallow workings	No	-
Coal seam outcrops	Yes	Arley Coal seam subcrops beneath the site but is indicated to be at a depth of approximately 80m
Surface mining (opencast)	No	-

3.5.2 Areas of sand and gravel extraction

As noted above, sand and gravel extraction is understood to have occurred in various parts of the site and in the surrounding area. It is unclear if the resulting excavations have been backfilled, though the site topography does suggest that some areas, such as that just to the north and northwest of Thornfields Farm have not undergone backfilling, though the historic presence of ponds in these areas might contradict this possibility.

3.6 Hydrogeology

A summary of the hydrogeological setting of the site, with respect to the anticipated geological sequence is presented in Table 7.

Table 7 Summary of hydrogeological setting

Condition	Description
Aquifer characteristics	The site is underlain by a Secondary A aquifer relating to the solid geology. The superficial deposits are also mainly designated as a Secondary A aquifer, with an area in the eastern central area of the site being 'Secondary

Condition	Description
	Undifferentiated' The superficial deposits aquifer also identified as being of high vulnerability. The likely presence of localised low permeability clay at relatively shallow depths beneath the site, while restricting downwards migration, may increase the potential for lateral migration of shallow groundwater (and therefore mobile contamination, if present).
Depth to groundwater and flow	The anticipated depth to the groundwater table is in the order of 1m to 2m below ground level estimated from historical maps which show several springs across the site. Shallow groundwater in the site area is anticipated to flow in a southwesterly direction, i.e. towards and in the direction of flow of Trub Brook. It is likely that the shallow groundwater will be perched on lenses of cohesive materials within the superficial deposits, and groundwater levels may be considerably deeper where thicker layer of more granular materials predominate. It is also likely that shallow water may be present in any made ground deposits present on-site. The regional direction of groundwater flow is likely to be to the southwest in line with local topography but may be affected by local groundwater abstractions.
Groundwater recharge/ attenuation	Most of the site is currently unsurfaced and will therefore drain to ground.
Historical implications for hydrogeology	Historical mapping has identified numerous springs and ponds across the site, probably associated with layers of low permeability clay within the superficial deposits. There are also 2 potentially culverted small streams, one orientated north – south, just to the south of Thornham cricket club's pitch in the southwestern part of the site and the other orientated west-northwest to east-southeast crossing the northeastern corner of the site. There are no records of historic boreholes or mineshafts at the site.
Licensed groundwater abstractions	The environmental database report indicates that there are 2 current licensed groundwater abstractions of which none are public water supply boreholes within a 1km radius of the site. The nearest groundwater abstraction is from a spring fed well approximately 240m east of the site, used for general agricultural purposes.
Source protection zones	Information available in the Envirocheck report indicates that the site does not lie within a currently designated groundwater Source Protection Zone (SPZ).

3.6.1 Potential for ground source heating and cooling

Most locations in the UK are suitable for the installation of ground source heating or cooling (GSHC) systems. The most appropriate type of installation is determined by the available space, heating and cooling demands of the proposed development and several geological and hydrogeological factors, and drilling risks. RSK can appraise these site-specific conditions through a desk-based feasibility study to assist in determining the viability of this sustainable source of heating/cooling energy at the site, should this be of interest to you. We also have in-house capability to undertake field assessments, as well as the design and installation of GSHC systems.

3.7 Hydrology

A summary of the hydrology within the site area is summarised in Table 8.

Table 8 Summary of hydrology in site area

Condition	Description
Surface watercourses/ features	There are several ponds and drainage ditches on and adjacent to the site. A minor watercourse rises in the western part of the site and flows in a generally southwesterly direction, exiting the site in the southwest corner. There is no data as to the quality of this watercourse. A second watercourse is culverted beneath the northeastern corner of the site and is not thought to be above ground anywhere on site. The nearest identified off-site surface feature to the site is the Rochdale Canal located to the west of the site. At its closest point, the canal is approximately 150m to the west of the southwest corner of the site. The Rochdale Canal has a reported general quality assessment (GQA) Grade B. There are no further surface watercourses within 500m of the site.
Surface water abstractions	The environmental database report indicates that there are 3 current licensed surface water abstractions within a 1 km radius of the site. The closest of these, which is located approximately 240m to the east is utilised for general agricultural purposes.
Site drainage	Surface drainage from the site appears to discharge ultimately into Trub Brook and then into the River Irwell (via the River Irk). Evidence from the Envirocheck report indicates that a ditch formerly drained south to north under what is now the A627 (M) adjacent to the northeastern corner of the site. This feature appears to have been diverted from its original course to now cross the northeastern part of the site and discharges into another ditch on the north side of Thornham New Road and then into a pond. In addition, another culvert carries water rising from an on-site spring, south beneath Thornham cricket club. Concealed watercourses and/or preferential pathways for the migration of contamination in the sub-surface may therefore exist beneath the site.
Preliminary flood risk assessment	The indicative floodplain map for the area, shows that the site does not lie within any designated river floodplain. The risk of flooding from surface water each year has been assessed by the EA and varies across the site. The risk across the majority of the site has been assessed as very low –i.e. less than 0.1%, however, in some localised areas, the risk is assessed to be very high -i.e. greater than 3.3%. A flood risk assessment (FRA) is outside the scope of this report.

3.8 Sensitive land uses

Table 9 provides a summary of any environmentally sensitive areas identified within 250 m of the site based on the environmental database report.

Table 9 Environmentally sensitive areas

Feature	Present within 250m of site?	Details	Likely pathways from site?
International designations – Ramsar wetland, Special Area of Conservation (SAC), Special Protection Area (SPA)	Yes	SAC, Rochdale Canal, 120m southwest from site	No. Canal isolated by puddle clay liner
National designations – Site of Special Scientific Interest (SSSI), National Nature Reserve (NNR), ancient woodland	Yes	SSI, Rochdale Canal, 120m southwest from site	No. Canal isolated by puddle clay liner
Local designations – Local Nature Reserve, Site of Importance for Nature Conservation (SINC)	No	-	-
Nearest high sensitivity development, e.g. residential	n/a	Residential properties adjacent to the site western boundary	Yes. Located anticipated down hydraulic gradient

4 SITE RECONNAISSANCE FINDINGS

A site reconnaissance survey was completed on 15 September 2022 by RSK. The characteristics of the site observed during the walkover and from current Ordnance Survey maps are summarised in Table 10.

A site plan is provided in Figure 2 with photographic records included in Appendix E detailing the main features identified below.

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

Table 10 Site reconnaissance findings

Feature	Description
Physical characteristics	
Access constraints	Only the interior of the garden centre was inaccessible.=
Site topography	The ground undulates but generally slopes down towards the southwest at a gradient of approximately 1 in 30.=
Surface cover	The site comprises almost entirely of soft cover (agricultural fields)
Site drainage	In general, the northern areas of site drain north towards ponds close to the M62. Fields in the northwest of the site drain west, towards the residential properties. The majority of the Newhey farmland drains towards the southwest boundary of site There was no evidence of surface sheens or contamination in any of the ditches observed apart from the reddish staining (possibly iron) to the south of Newhey Farm At the time of the visit, some footpaths on the eastern part of the site were flooded, with some low-lying areas being waterlogged
Surface water	There are numerous drainage ditches crossing various parts of the site, some of which are partially culverted Generally, there was no evidence of discoloured/ cloudy water, oily sheens, solids matter or leachate ingress noted during this visit, except for the reddish orange staining of the water in the ditch south of Newhey Farm. Some localised leachate was present from manure stockpiles
Trees and hedges	The site contains numerous hedges with those forming the site boundaries often containing mature trees Vegetation present on-site mainly comprises grassland
Invasive species	Based upon the walkover survey obvious evidence of Japanese Knotweed or other invasive species has not been identified on-site. However, it should be noted that a detailed survey of the possible presence or absence of invasive species is outside of the scope of investigation and consideration should be given to commissioning a specialist survey, as necessary.=
Existing buildings on-site	Other than the existing garden centre, no buildings are present on-site and there is no obvious evidence of other buildings having been

Feature	Description
	present. Newhey and Thornfields Farms (and associated buildings) do not form part of the development area
Retaining walls and adjacent buildings on or close to site boundary	There appear to be no such structures on or close to the site boundary
Basements on-site	No evidence of existing or infilled basements was observed
Made ground, earthworks and quarrying	The former sand and gravel pits do not appear to have been subject to backfilling There is a cut slope, approximately 13 m high, just to the northwest of Thornfields Farm. This slope drops towards the northwest The former Newhey Farm landfill comprises a low (approximately 1.5 m high) mound There are significant stockpiles of what appear to be construction/ demolition materials to the northeast and southeast of Thornfields Farm and also close to the central northern boundary with Thornham New Road Manure stockpiles are also associated with Thornfields Farm
Potentially unstable slopes on or close to site	None observed (other than the cut slope outlined above)
Buried and overhead services present	There are several manhole covers on-site. None of these were lifted as part of the site walkover
Environmental characteristics	
Underground/ above ground storage tanks and pipework	None observed
Potentially hazardous materials storage and use	None observed
Asbestos-containing materials	Some of the buildings within the garden centre have roofs comprising potentially asbestos containing materials (cement sheet) Outside of the garden centre, no obvious asbestos construction materials were observed but a detailed survey of the stockpiles of construction / demolition material stockpiles and the materials within the former Newhey Farm landfill would be required to confirm the presence or otherwise of asbestos-containing materials
Waste storage	None observed
Fly-tipping	Evidence of fly-tipping was noted in the garden centre car park
Electricity sub-stations/ transformers	There is an existing sub-station located on Chatburn Avenue, adjacent to the site's northwestern boundary. There is no evidence of oil leakage

Feature	Description
Evidence of possible land contamination on-site	No oil staining of the hardstanding in the garden centre was observed The construction / demolition materials stockpiled close to Thornfields may contain possible asbestos containing materials The former Newhey Farm landfill appears to contain waste construction / demolition materials and may contain possible asbestos containing materials The water in the ditch on the southwestern site boundary is stained reddish orange Low volumes of organic leachate are associated with localised manure stockpiles There was no evidence of vegetation stress
Potential off-site sources of ground contamination	No significant potential off-site sources of ground contamination were noted during the site walkover

Potentially significant land contamination or geotechnical issues arising from the survey are summarised below:

- potential shallow groundwater levels
- numerous ditches, some partially culverted
- steep slopes associated with former sand and gravel extraction areas
- reddish orange staining of water in ditch in southwestern part of site
- unknown contents of former Newhey Farm landfill
- potential asbestos containing materials associated with existing buildings within garden centre
- potential asbestos containing materials associated with construction / demolition material stockpiles and former Newhey Farm landfill.

5 PRELIMINARY GEOTECHNICAL CONSTRAINTS

5.1 Design class

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

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

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

5.2 Preliminary geotechnical hazards assessment

A summary of commonly occurring geotechnical hazards associated with the anticipated geology outlined in Section 3.4 above is given in Table 11 together with an assessment of whether the site may be affected by each of the stated hazards.

Table 11 Summary of preliminary geotechnical risks that may affect site

Hazard category	Hazard status based on desk study findings and proposed development		Engineering considerations if hazard affects site
	Could be present and/or affect site	Unlikely to be present and/or affect site	
Sudden lateral changes in ground conditions	☒	☐	Likely to affect ground engineering and foundation design and construction
Shrinkable clay soils	☐	☒	Design to NHBC Standards Chapter 4 or similar

Hazard category	Hazard status based on desk study findings and proposed development		Engineering considerations if hazard affects site
	Could be present and/or affect site	Unlikely to be present and/or affect site	
Highly compressible and low bearing capacity soils, (including peat and soft clay)	☒	☐	Likely to affect ground engineering and foundation design and construction
Silt-rich soils susceptible to rapid loss of strength in wet conditions	☒	☐	Likely to affect ground engineering and foundation design and construction
Running sand at and below water table	☒	☐	Likely to affect ground engineering and foundation design and construction
Karstic dissolution features (including 'swallow holes' in Chalk terrain)	☐	☒	May affect ground engineering and foundation design and construction – refer to Section 4.1.2
Evaporite dissolution features and/or subsidence	☐	☒	May affect ground engineering and foundation design and construction
Ground subject to or at risk from landslides	☒	☐	Likely to require special stabilisation measures
Ground subject to peri-glacial valley cambering with gulls possibly present	☐	☒	Likely to affect ground engineering and foundation design and construction
Ground subject to or at risk from coastal or river erosion	☐	☒	Likely to require special protection/stabilisation measures
High groundwater table (including waterlogged ground)	☒	☐	May affect temporary and permanent works
Rising groundwater table due to diminishing abstraction in urban area	☐	☒	May affect deep foundations, basements and tunnels
Geological faults, fissures and breaklines	☐	☒	May affect ground engineering and foundation design and construction
Underground mining, including shafts and adits (e.g. coal, mineral)	☐	☒	Likely to require further assessment (see site specific CMRA report) including potentially special stabilisation measures

Hazard category	Hazard status based on desk study findings and proposed development		Engineering considerations if hazard affects site
	Could be present and/or affect site	Unlikely to be present and/or affect site	
Effects of extreme temperature (e.g. cold stores or brick kilns/furnaces)	☐	☒	Likely to affect ground engineering and foundation design and construction
Existing sub-structures (e.g. culverts, foundations and adjacent sub-structures)	☒	☐	Likely to affect ground engineering and foundation design and construction
Filled and made ground (including embankments, infilled ponds and pits)	☒	☐	Likely to affect ground engineering and foundation design and construction
Adverse ground chemistry (including expansive slags and weathering of sulphides to sulphates)	☐	☒	May affect ground engineering and foundation design and construction
Site topography	☒	☐	May affect ground engineering and foundation design and construction
Note: Seismicity is not included in the above table as this is not normally a design consideration in the UK.			

6 INITIAL CONCEPTUAL SITE MODEL

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

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

6.1 Potential soil, soil vapour and groundwater linkages

6.1.1 Potential sources of contamination

Potential sources of soil and groundwater contamination identified from current activities and the history of the site and surrounding area are presented in Table 12. Ground gas sources are addressed in the next section.

Table 12 Potential sources of soil and groundwater contamination

Potential sources	Contaminants of concern
On-site	
Made ground (i.e. fill material) in areas of former buildings and stockpiles on site	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos
Former sand and gravel pits (*c*.1890s to 1980s)	Unknown fill material but potentially including brick, ash and clinker and containing toxic and phytotoxic metals, inorganics, polycyclic aromatic hydrocarbons (PAHs), asbestos
Newhey Farm landfill (central western part of site)	Licenced for inert waste. Potential for low volumes of landfill leachate
Storage of oils / fuels / agricultural chemicals on-site	Diesel, oils, fertilizers
Above ground storage tank and associated pipework	Petroleum hydrocarbons (probably diesel)
Off-site	
No specific sources of contamination that are considered to have the potential to significantly impact the site have been identified	

6.1.2 Sensitive receptors and linking exposure/ migration pathways

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

- future site users – residential users [oral, dermal and inhalation exposure with impacted soil, soil vapour and dust/fibres, ingestion of home-grown produce]
- future buildings and services [direct contact with contaminated soils or groundwater and chemical attack]
- groundwater in secondary A and undifferentiated aquifers within the superficial deposits [leaching from landfilled soils/ percolation to aquifer/ lateral migration].

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

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

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

6.2 Potential ground gas linkages

6.2.1 Ground gas generation potential

Potential ground gas sources identified for the site and surrounding are shown in Table 13.

Table 13 Potential ground gas sources

Potential sources	Indicative ground gas generation potential (CIEH, 2008)	Additional information
On-site		
Natural soil strata with a low degradable organic content, e.g. alluvium, peat	Very low	Potential for small areas of peat to be associated with low-lying areas prone to waterlogging
Infilled ponds less than 15m diameter, in-filled before 1960s to 1980s	Very low	
Made ground with low degradable organic content (e.g. up to 5% organic material and no easily degradable waste).	Low	Newhey Farm landfill indicated to comprise inert fill, but potential for gas generation exists
Made ground used to possible backfill old sand and gravel pits	Low to medium	Nature of backfill, if any, is unknown
Off-site		
No specific sources of ground gas that are considered to have the potential to significantly impact the site have been identified		

Given the anticipated ground conditions set out above, potentially significant potential sources of ground gas generation have been identified associated with the former sand and gravel pits in the northern part of the site and potentially with the Newhey Farm landfill.

6.2.2 Preferential pathways for ground gas migration

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

- geology of the granular superficial deposits which is likely to be permeable
- building foundations
- existing culverts and underground drainage pipes
- utility routes and service penetrations into buildings.

6.2.3 Sensitive receptors and linking pathways

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

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

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

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

6.3 Preliminary risk assessment

The preliminary risk assessment findings and potentially complete contaminant linkages are shown in Table 14 overleaf. The risk classification based on the combination of hazard consequence and probability using a risk matrix from CIRIA C552 (Rudland et al., 2001), a summary of which is included in Appendix F. This relates to Tier 1 preliminary risk assessment in LCRM (Environment Agency, 2021).

The initial conceptual site model is shown schematically in Figure 4.

Table 14 Risk estimation for potentially complete contaminant linkages

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Made ground (i.e. fill material)	Future use - residential	Oral, dermal and inhalation exposure, ingestion of home-grown produce	Low likelihood	Mild	Low	-
Made ground (i.e. fill material)	Future buildings and services	Direct contact of foundations/ services with contaminated soil and groundwater	Low likelihood	Mild	Low	-
Made ground (i.e. fill material)	Groundwater within Secondary A aquifer	Leaching from soils/ percolation to aquifer/ lateral migration	Likely	Mild	Moderate/ low	Reddish orange staining of water in ditch in southwestern area of site
Made ground (i.e. fill material)	Groundwater within Secondary undiffentiated aquifer	Leaching from soils/ percolation to aquifer/ lateral migration	Low likelihood	Mild	Low	-
Former sand and gravel pits (c.1890s to 1980s)	Future use - residential	Oral, dermal and inhalation exposure, ingestion of home-grown produce	Low likelihood	Mild	Low	-
Former sand and gravel pits (c.1890s to 1980s)	Future buildings and services	Direct contact of foundations/ services with contaminated soil and groundwater	Low likelihood	Mild	Low	-
Former sand and gravel pits (c.1890s to 1980s)	Groundwater within Secondary A aquifer	Leaching from soils/ percolation to aquifer/ lateral migration	Low likelihood	Mild	Low	-

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Former sand and gravel pits (c.1890s to 1980s)	Groundwater within Secondary undiffentiated aquifer	Leaching from soils/ percolation to aquifer/ lateral migration	Low likelihood	Mild	Low	-
Newhey Farm (inert) landfill (central western part of site)	Future use - residential	Oral, dermal and inhalation exposure, ingestion of home-grown produce	Low likelihood	Medium	Moderate/ low	The precise composition and volume of the materials placed (whilst relatively small, and by the terms of the licence 'inert') is unknown
Newhey Farm (inert) landfill (central western part of site)	Future buildings and services	Direct contact of foundations/ services with contaminated soil and groundwater	Low likelihood	Mild	Low	-
Newhey Farm (inert) landfill (central western part of site)	Groundwater within Secondary A aquifer	Leaching from soils/ percolation to aquifer/ lateral migration	Low likelihood	Mild	Low	-
Newhey Farm (inert) landfill (central western part of site)	Groundwater within Secondary undiffentiated aquifer	Leaching from soils/ percolation to aquifer/ lateral migration	Low likelihood	Mild	Low	-
Storage of oils / fuels / agricultural chemicals on-site	Future use - residential	Oral, dermal and inhalation exposure, ingestion of home-grown produce	Low likelihood	Medium	Moderate/ low	No information is known relating to the storage of oils / fuels / agricultural chemicals on-site
Storage of oils / fuels / agricultural chemicals on-site	Future buildings and services	Direct contact of foundations/ services with contaminated soil and groundwater	Low likelihood	Mild	Low	-

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Storage of oils / fuels / agricultural chemicals on-site	Groundwater within Secondary A aquifer	Leaching from soils/ percolation to aquifer/ lateral migration	Low likelihood	Mild	Low	-
Storage of oils / fuels / agricultural chemicals on-site	Groundwater within Secondary undiffentiated aquifer	Leaching from soils/ percolation to aquifer/ lateral migration	Low likelihood	Mild	Low	-
Above ground storage tank and associated pipework	Future use - residential	Oral, dermal and inhalation exposure, ingestion of home-grown produce	Low likelihood	Medium	Moderate/ low	No information is known relating to the storage of fuels on-site
Above ground storage tank and associated pipework	Future buildings and services	Direct contact of foundations/ services with contaminated soil and groundwater	Low likelihood	Minor	Very low	-
Above ground storage tank and associated pipework	Groundwater within Secondary A aquifer	Leaching from soils/ percolation to aquifer/ lateral migration	Low likelihood	Mild	Low	-
Above ground storage tank and associated pipework	Groundwater within Secondary undiffentiated aquifer	Leaching from soils/ percolation to aquifer/ lateral migration	Low likelihood	Mild	Low	-
Newhey Farm landfill indicated to comprise inert fill, but potential for gas generation exists	Future use - residential	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/ asphyxiation	Low likelihood	Medium	Moderate/ low	The precise composition and volume of the materials placed (whilst relatively small, and by the terms of the licence 'inert') is unknown

Potential source	Potential receptor	Possible pathway	Likelihood	Severity	Potential risk	Justification
Newhey Farm landfill indicated to comprise inert fill, but potential for gas generation exists	Future buildings and services	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion causing building damage	Low likelihood	Severe	Moderate	The precise composition and volume of the materials placed (whilst relatively small, and by the terms of the licence 'inert') is unknown
Made ground used to possible backfill old sand and gravel pits	Future use - residential	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/ asphyxiation	Low likelihood	Medium	Moderate/ low	The precise composition and volume of the materials placed (whilst relatively small, and by the terms of the licence 'inert') is unknown
Made ground used to possible backfill old sand and gravel pits	Future buildings and services	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion causing building damage	Low likelihood	Severe	Moderate	The precise composition and volume of the materials placed (if any) is unknown

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

Potentially complete contaminant linkages with a potential risk of moderate to low or higher identified in Table 14 comprise:

Potential source	Potential receptor	Possible pathway
Made ground (i.e. fill material)	Groundwater within Secondary A aquifer	Leaching from soils/ percolation to aquifer/ lateral migration
Newhey Farm landfill (central western part of site)	Future use - residential	Oral, dermal and inhalation exposure, ingestion of home-grown produce
Storage of oils / fuels / agricultural chemicals on-site		
Above ground storage tank and associated pipework		
Newhey Farm landfill indicated to comprise inert fill, but potential for gas generation exists	Future use - residential	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/ asphyxiation
Newhey Farm landfill indicated to comprise inert fill, but potential for gas generation exists	Future buildings and services	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion causing building damage
Made ground used to possible backfill old sand and gravel pits	Future use - residential	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/ asphyxiation
Made ground used to possible backfill old sand and gravel pits	Future buildings and services	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion causing building damage

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

6.4 Data gaps and uncertainties

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

- source / cause of reddish orange staining in water in ditch in southwestern area of site requires investigation
- no information relating to the actual size or composition of the former Newhey Farm landfill
- no information is known relating to the nature of the backfill (if any) of the former sand and gravel pits on site and the materials placed in the area now occupied by the garden centre
- nature and composition of construction / demolition stockpiles unknown (potential for presence of asbestos containing materials)

- potential for presence of asbestos containing materials associated with buildings in garden centre
- status of former tanks is not known
- no information is known relating to the storage of oils / fuels / agricultural chemicals on site
- there are no previous intrusive investigations available for the site, therefore no information on actual concentrations of contaminants in soil and groundwater or ground gas at this stage
- groundwater depth and flow direction are conceptual at this stage.

7 CONCLUSIONS AND RECOMMENDATIONS

7.1 Geo-environmental assessment

Based on the results of the Preliminary Risk Assessment the contaminant linkages that have been identified to be potentially complete (relevant contaminant linkages) and to require further action by future intrusive site investigation works, are:

Potential source	Potential receptor	Possible pathway
Made ground (i.e. fill material)	Groundwater within Secondary A aquifer	Leaching from soils/ percolation to aquifer/ lateral migration
Newhey Farm landfill	Future use - residential	Oral, dermal and inhalation exposure, ingestion of home-grown produce
Storage of oils / fuels / agricultural chemicals on-site		
Above ground storage tank and associated pipework		
Newhey Farm landfill with potential for gas generation exists	Future use - residential	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/ asphyxiation
Newhey Farm landfill with potential for gas generation exists	Future buildings and services	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion causing building damage
Made ground used to possible backfill old sand and gravel pits	Future use - residential	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion/ asphyxiation
Made ground used to possible backfill old sand and gravel pits	Future buildings and services	Migration and ingress of ground gases into buildings, build-up in confined spaces and explosion causing building damage

Data gaps and uncertainties have been considered and further assessment is considered to be required.

Should unforeseen contamination be encountered during redevelopment then specialist advice should be sought to determine the appropriate course of action.

7.2 Geotechnical assessment

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

Hazard that could be present and/or affect site status based on desk study findings and nature of proposed development	
Hazard category	**Engineering considerations**
Sudden lateral changes in ground conditions	Likely to affect ground engineering and foundation design and construction
Highly compressible and low bearing capacity soils, (including peat and soft clay)	Likely to affect ground engineering and foundation design and construction
Silt-rich soils susceptible to rapid loss of strength in wet conditions	Likely to affect ground engineering and foundation design and construction
Running sand at and below water table	Likely to affect ground engineering and foundation design and construction
Ground subject to or at risk from landslides	Likely to require special stabilisation measures
High groundwater table (including waterlogged ground)	May affect temporary and permanent works
Existing sub-structures (e.g. culverts, foundations and adjacent sub-structures)	Likely to affect ground engineering and foundation design and construction
Filled and made ground (including embankments, infilled ponds and pits)	Likely to affect ground engineering and foundation design and construction
Site topography	May affect ground engineering and foundation design and construction

Data gaps and uncertainties have been discussed and further assessment is considered to be required.

7.3 Recommendations

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

- an attempt should be made to investigate whether or not the former sand and gravel pits have been subject to placement of any materials following completion of extraction works. Should materials have been found to have been placed then the composition and extent of these should be fully investigated and any potential effect on the future development fully evaluated
- made ground is indicated to be present beneath the garden centre and assessment of this material, in relation to in situ geotechnical properties, load carrying ability and settlement characteristics, is recommended
- intrusive investigation and assessment will be required to determine options for foundation design and possible future ground treatment prior to development. This should include a site-wide determination of groundwater depth and flow direction
- the precise nature and extent of the former Newhey Farm (inert) landfill should be determined
- source / cause of reddish orange staining in water in ditch in southwestern area of site requires investigation

- construction / demolition stockpiled materials require characterisation. Potential for presence of asbestos containing materials
- concentrations of methane and carbon dioxide that could be detrimental to the future development and future site users, whilst unlikely, are a possibility. Sufficient site-specific characterisation of the gas regime will be required for the proposed development. Assessment is recommended to understand conditions on site with respect to ground gases and risks associated with proposed structures
- no information is known relating to the storage of oils / fuels / agricultural chemicals on site.

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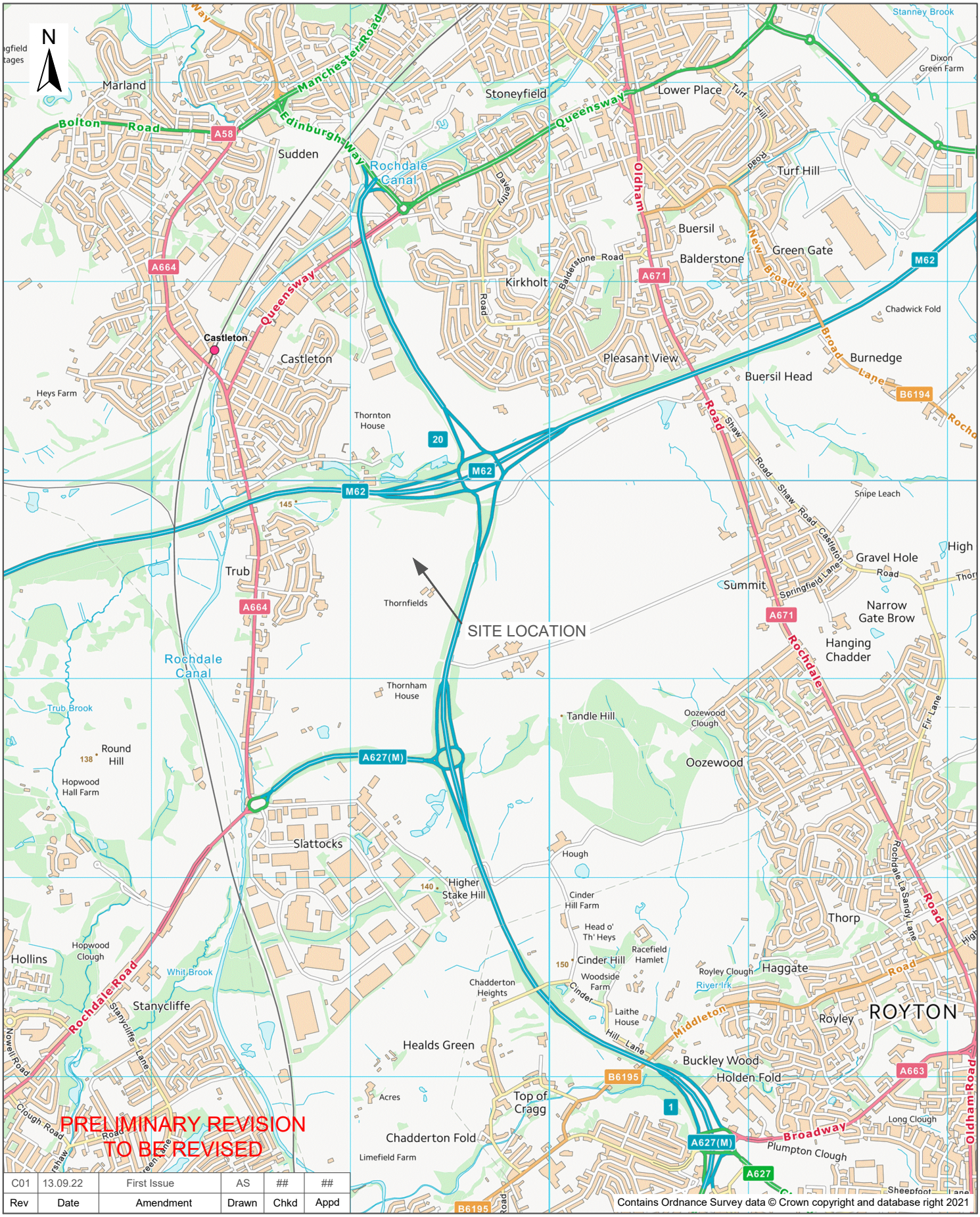
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Rudland, D. J., Lancefield, R. M. and Mayell, P. N. (2001), CIRIA C552. Contaminated Land Risk Assessment: A Guide to Good Practice.

Stone, K., Murray, A., Cooke, S., Foran, J., Gooderham, L., (2009) CIRIA C681, Unexploded Ordnance (UXO). A guide or the construction industry.

FIGURES

FIGURE 1 SITE LOCATION PLAN



Rev	Date	Amendment	Drawn	Chkd	Appd
C01	13.09.22	First Issue	AS	##	##

RSK GEOSCIENCES
Spring Lodge
172 Chester Road
Helsby
WA6 0AR
Tel: +44(0)1794 329276
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client: Redrow Homes Ltd

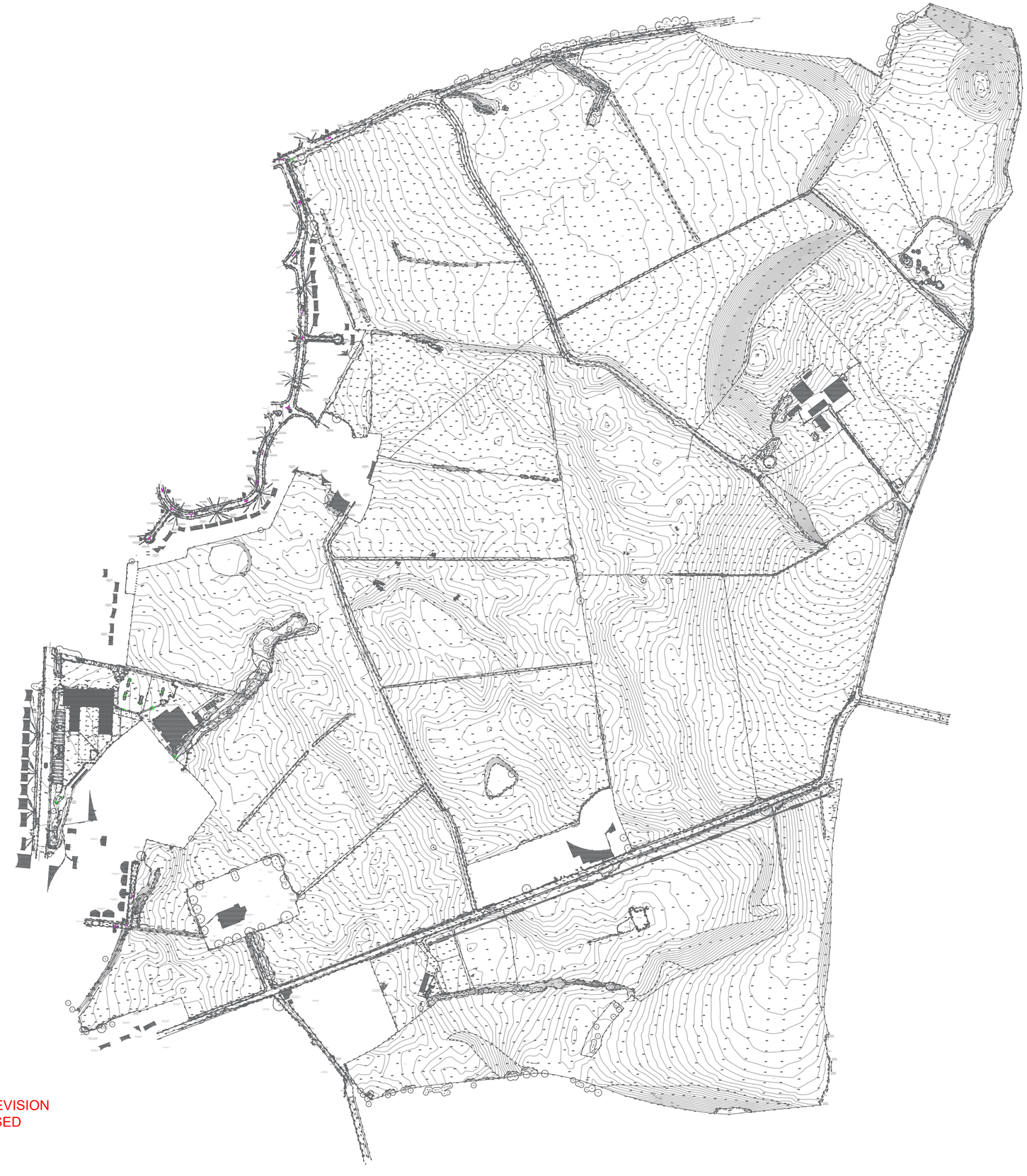
Project Name: Land at Stakehill

Description: Site Location Plan

Dimension	Size	Scale	Geolocation	Project ID	Drawing no.	Rev	File name
m	A4	1:25,000	389312,409610	322974	11101	P01	322974-HE-111-SS-D-C-11101-P01

FIGURE 2 SITE LAYOUT PLAN

N



PRELIMINARY REVISION
TO BE REVISED

LEGEND

Notes:

Base plan provided by Survey Eng Ltd No.Ref: RH.TS.21_A.

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	13.09.22	First Issue	AS	##	##

RSK GEOSCIENCES
Spring Lodge
172 Chester road
Helsby
WA6 0AR
Tel: +44(0)1794 329276
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
Redrow Homes Ltd

Project Name
Land at Stakehill

Description
Site Layout Plan

Project ID	Drawing no.	Revision
322974	11201	P01

File name
322974-HE-112-SS-D-C-11201-P01

Dimensions	Scale	Size
m	1:2500	A1

0 20 40 70 100 150 200m

FIGURE 3 PROPOSED SITE DEVELOPMENT PLAN



LEGEND

Site boundary

Notes:

Base plan provided by Redrow Homes No.Ref: 31599-MR-M-Id02A-Masterplan Workshop - Figure 10.

RSK GEOSCIENCES
Spring Lodge
172 Chester Road
Helsby
WA6 0AR
Tel: +44(0)1794 329276
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client: Redrow Homes Ltd

Project Name: Land at Stakehill

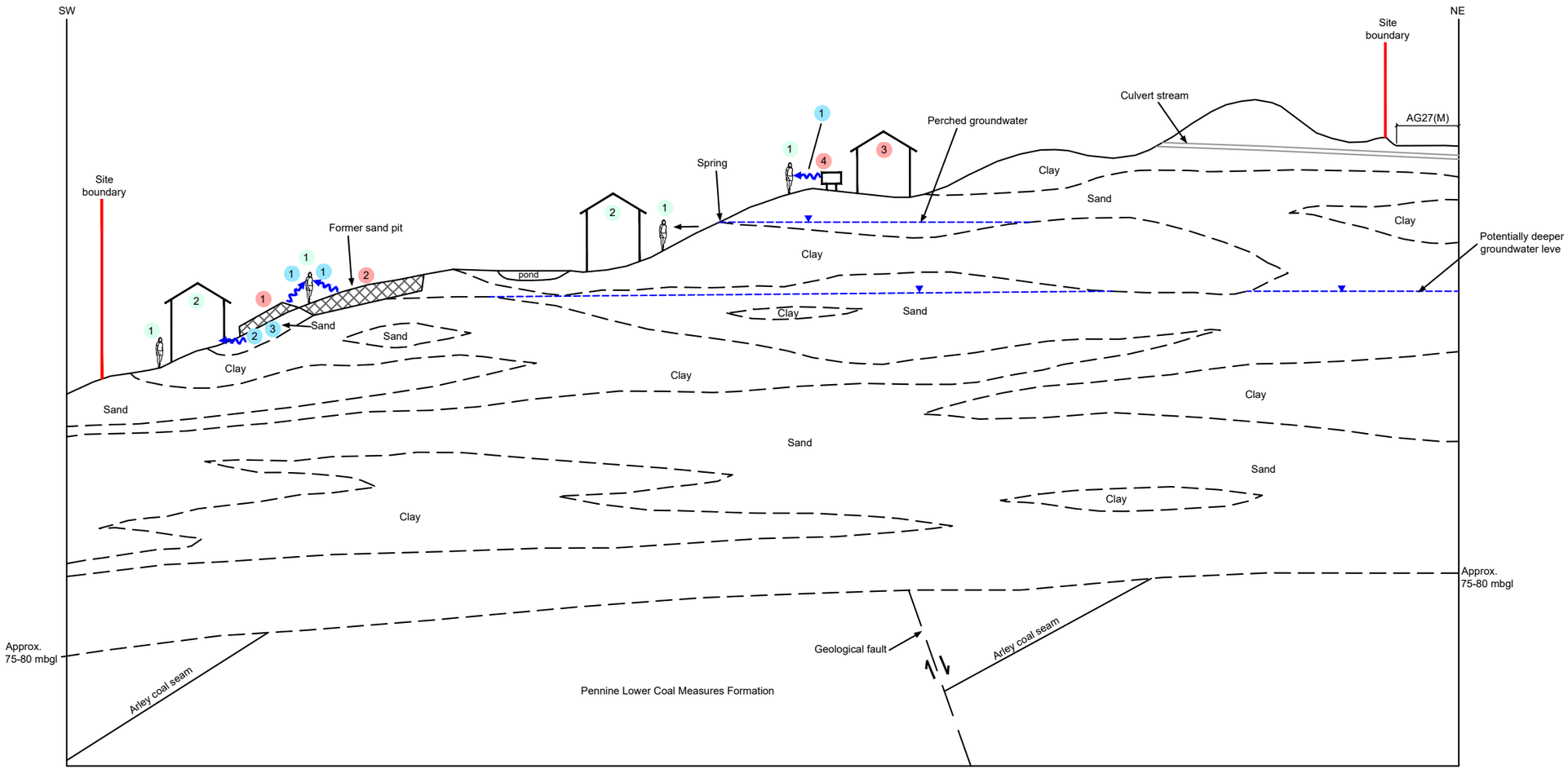
Description: Proposed Development Plan

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	15.09.22	First Issue	AS	##	##

Dimension	Scale	Size	Project ID	Drawing no.	Revision	File name
m	1:5000	A3	322974	32401	P02	322974-HE-324-SS-D-C-32401-P02

0 50 100 150 200 250m

FIGURE 4 INITIAL SCHEMATIC CONCEPTUAL SITE MODEL



Potential Source

1. Newhey Farm landfill
2. Backfield former sand pit
3. Storage of oil/fuels/agricultural chemicals
4. Former above ground (fuel) tank

Potential Pathways

1. Oral, demand and inhalation exposure, ingestion from ground pollution
2. Migration and ingress of ground gases into building, build up in confined spaces and explosion/asphyxiation
3. Migration and ingest of ground gases into building, build up in confined spaces and exposure/asphyxiation causing building damage

Potential Receptors

1. Future use - residential
2. Future buildings and services

PRELIMINARY REVISION
TO BE REVISED

LEGEND

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	13.09.22	First Issue	AS	##	##

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172 Chester Road
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WA6 0AR
Tel: +44(0)1794 329276
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client: Redrow Homes Ltd

Project Name: Land at Stakehill

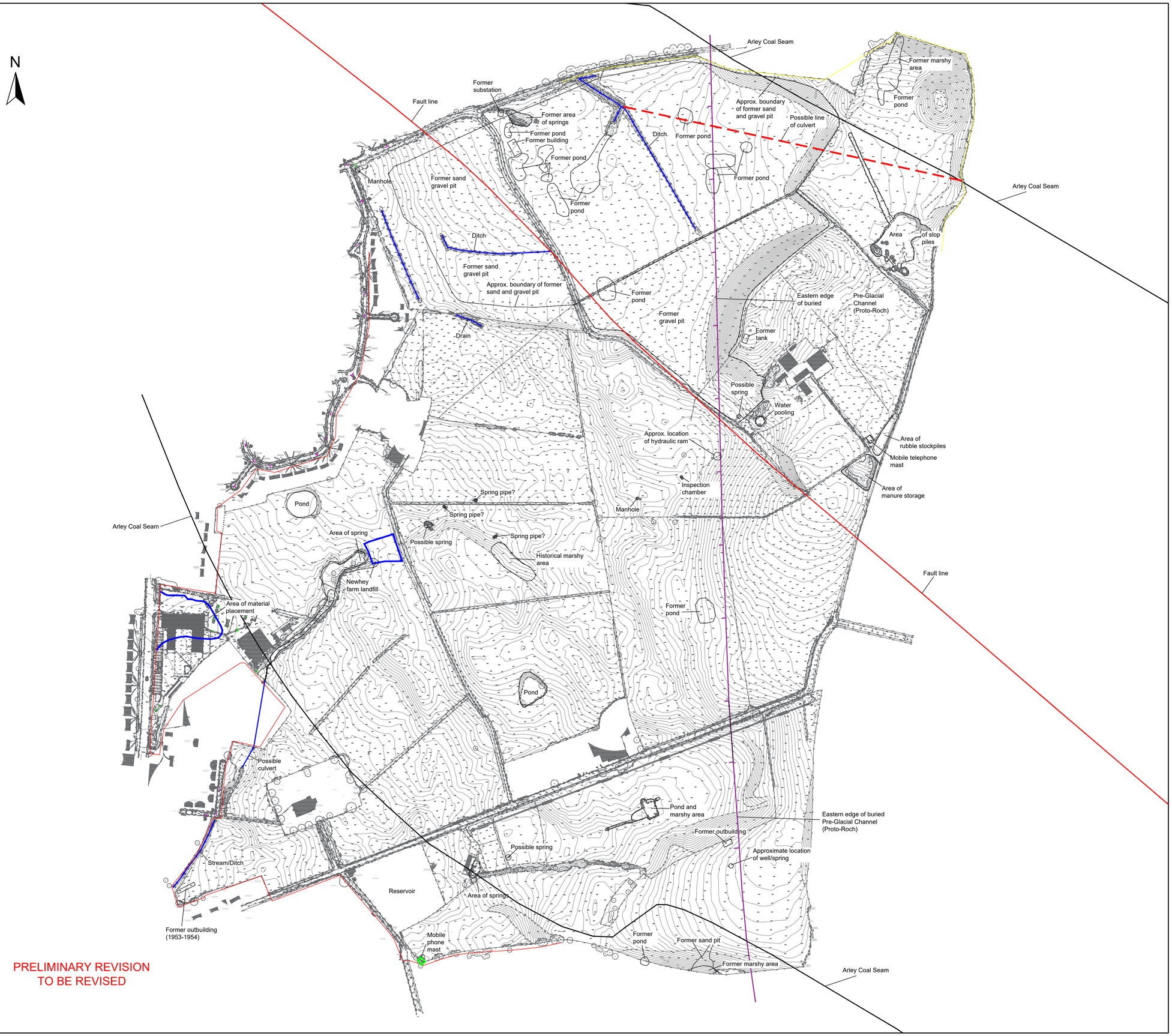
Description: Initial Schematic Conceptual Site Model

Project ID	Drawing no.	Revision
322974	15101	P02

File name: 322974-HE-151-SS-D-C-15101-P02

Dimensions	Scale	Size
m	NTS	A3

FIGURE 5 CONSTRAINTS PLAN



PRELIMINARY REVISION
TO BE REVISED

LEGEND

Notes:

Base plan provided by Survey Eng Ltd No.Ref: RH.TS.21_A.

Rev	Date	Amendment	Drawn	Chkd	Appd
C01	15.09.22	First Issue	AS	##	##

RSK GEOSCIENCES
Spring Lodge
172 Chester road
Helsby
WA6 0AR
Tel: +44(0)1794 329276
Email: info@rsk.co.uk
Web: www.rsk.co.uk

Client
Redrow Homes Ltd

Project Name
Land at Stakehill

Description
Constraints Plan

Project ID	Drawing no.	Revision
322974	11301	P02

File name
322974-HE-113-SS-D-C-11301-P02

Dimensions	Scale	Size
m	1:2500	A1

0 20 40 70 100 150 200m

APPENDICES

APPENDIX A SERVICE CONSTRAINTS

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

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

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

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

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

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

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

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

APPENDIX B SUMMARY OF LEGISLATION AND POLICY RELATING TO LAND CONTAMINATION

Part IIA of the Environmental Protection Act 1990

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

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

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

Planning Policy

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

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

Chapter 11. Making effective use of land

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

118. Planning policies and decisions should:

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

Chapter 15. Conserving and enhancing the natural environment

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

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

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

Ground conditions and pollution

178. Planning policies and decisions should ensure that:

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

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

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

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

Water Resources Act (WRA)

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

Water Framework Directive (WFD)

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

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

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

Groundwater Directive (GWD)

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

Priority Substances Directive (PSD)

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

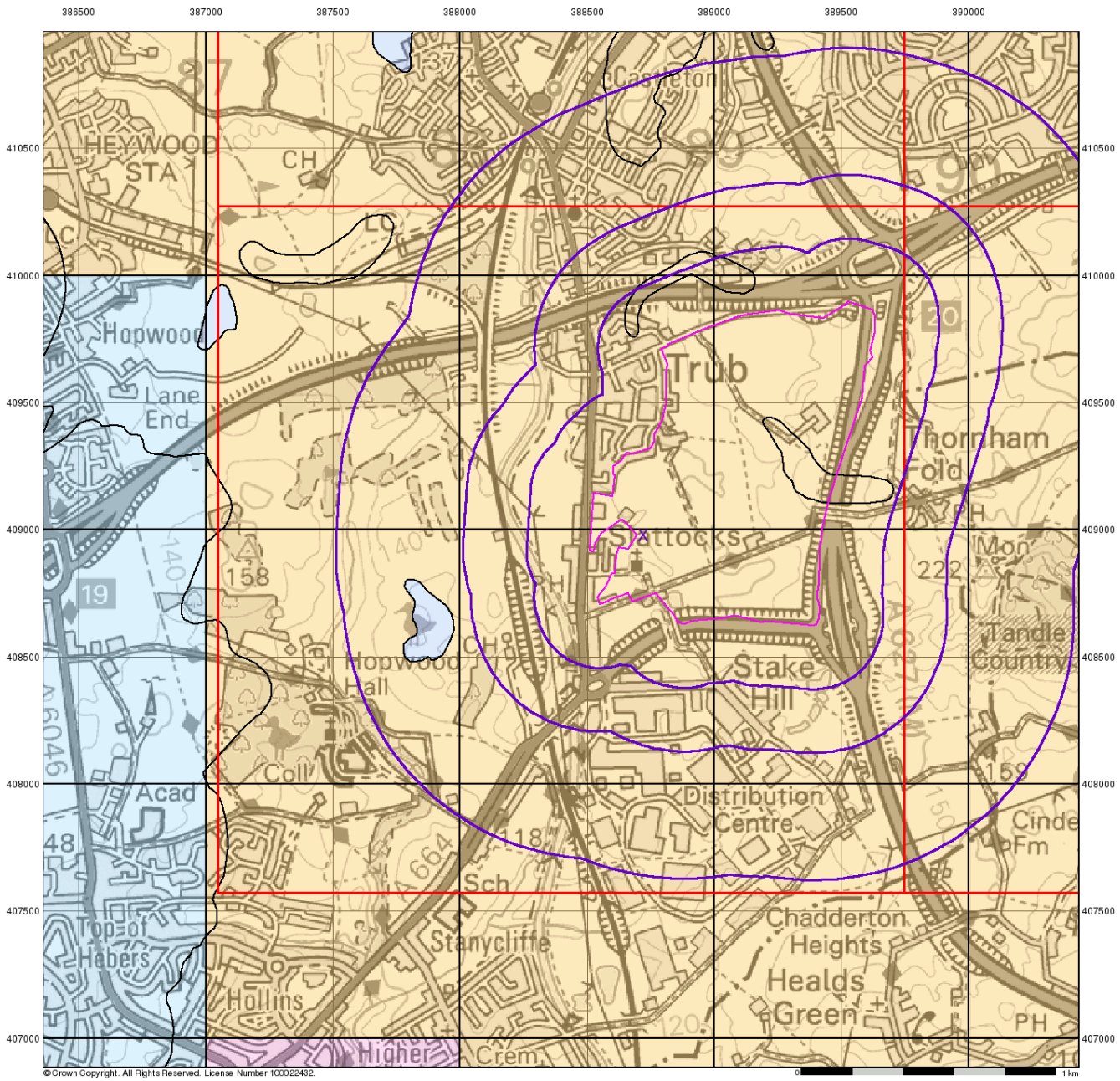
Environmental Permitting Regulations (EPR)

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

Notes:

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

APPENDIX C ENVIRONMENTAL DATABASE REPORT



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Groundwater Vulnerability

General

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

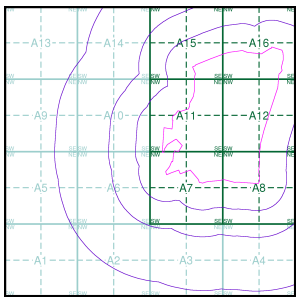
Agency and Hydrological

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:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



Bedrock Aquifer Designation

General

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

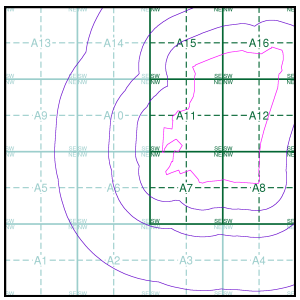
Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



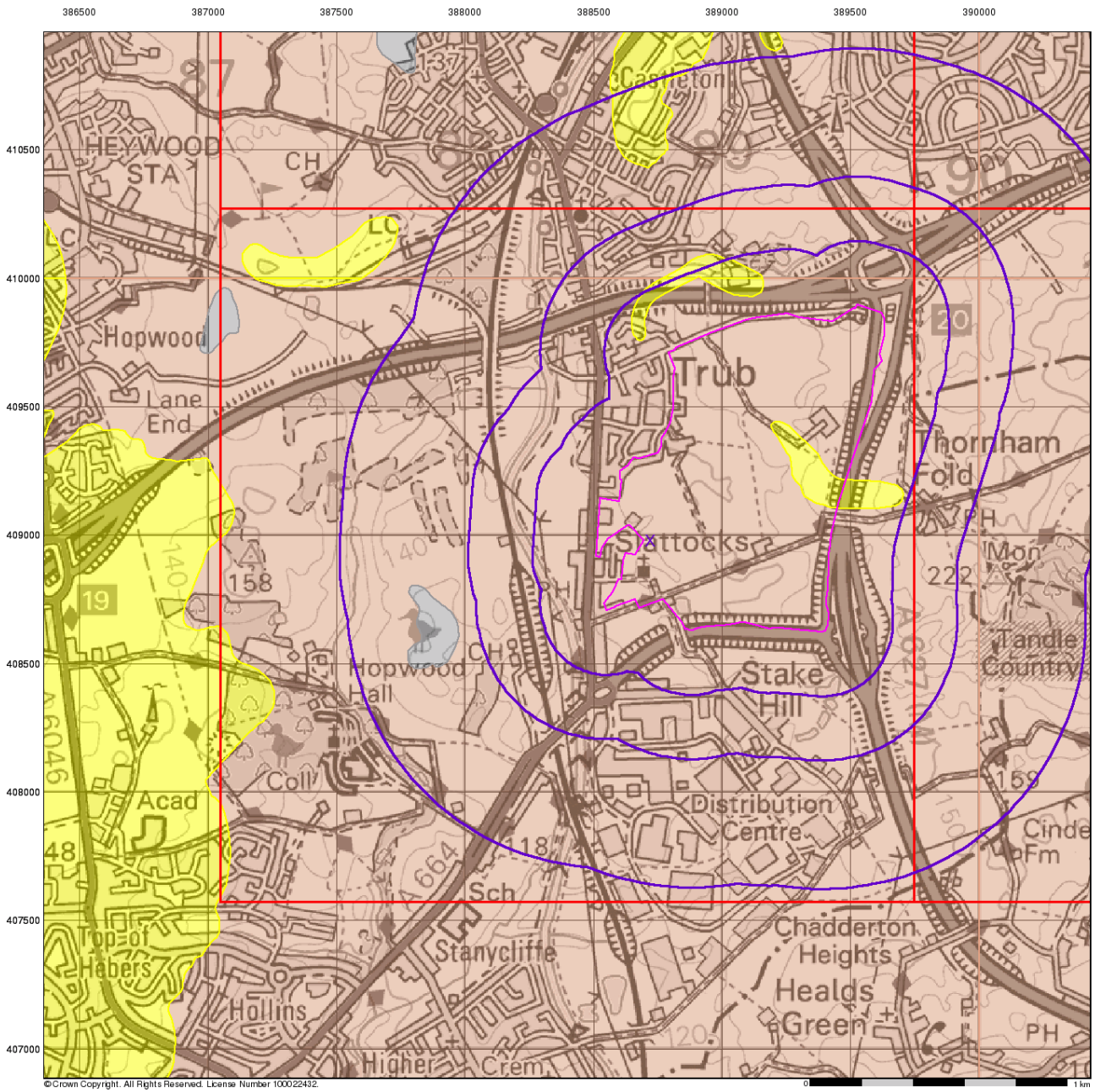
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Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



Superficial Aquifer Designation

General

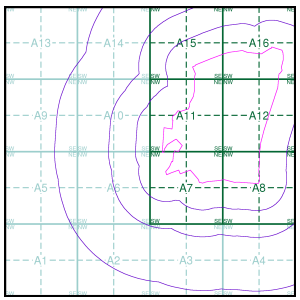
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



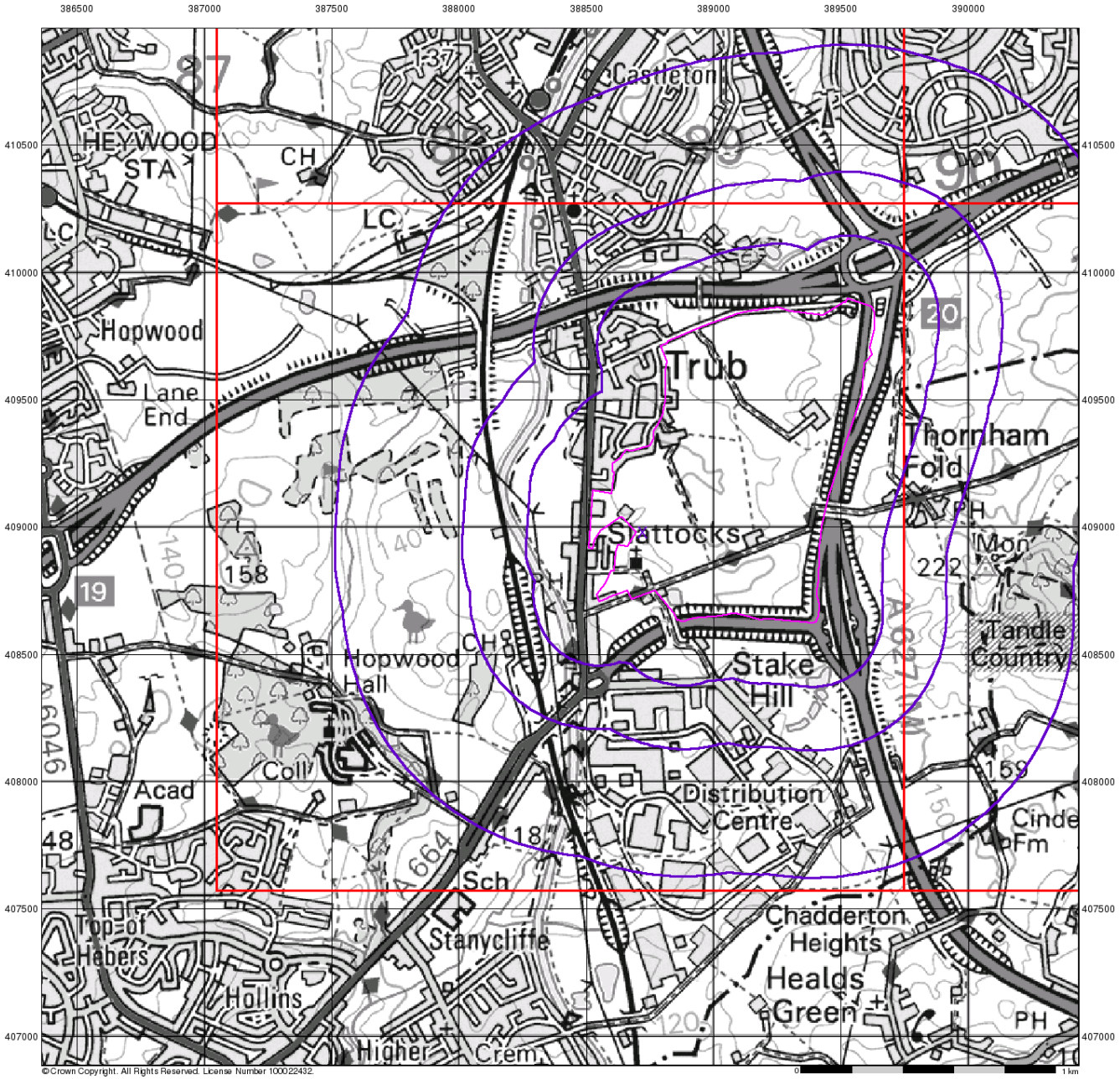
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National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



RSK

Source Protection Zones

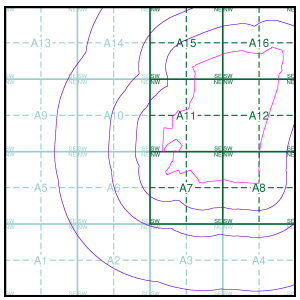
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



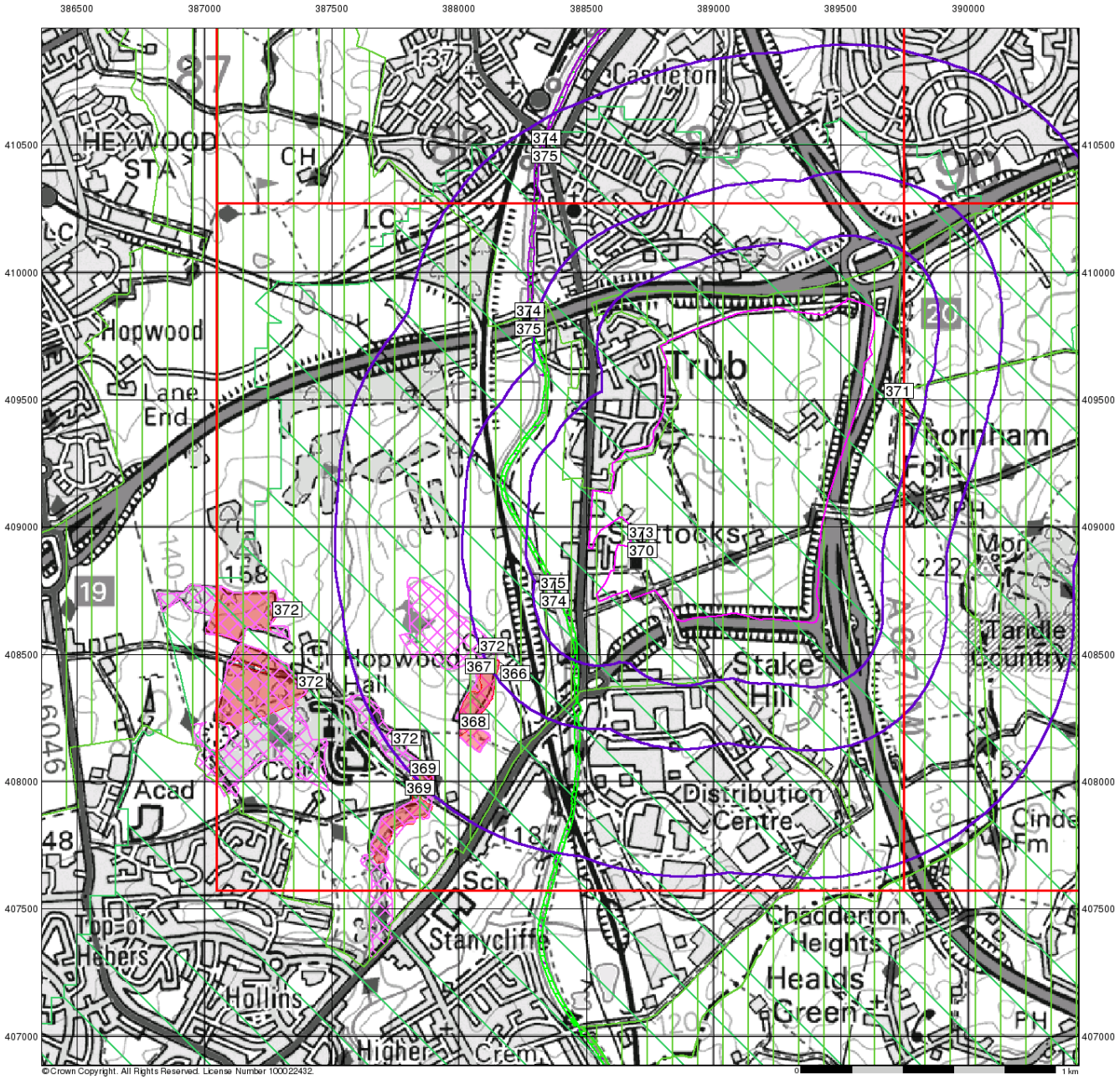
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Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

Landmark INFORMATION GROUP
Tel: 0844 844 9952
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Sensitive Land Uses

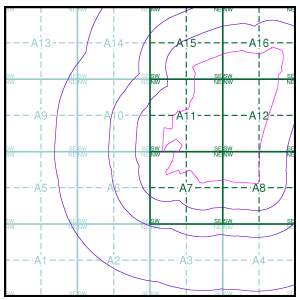
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



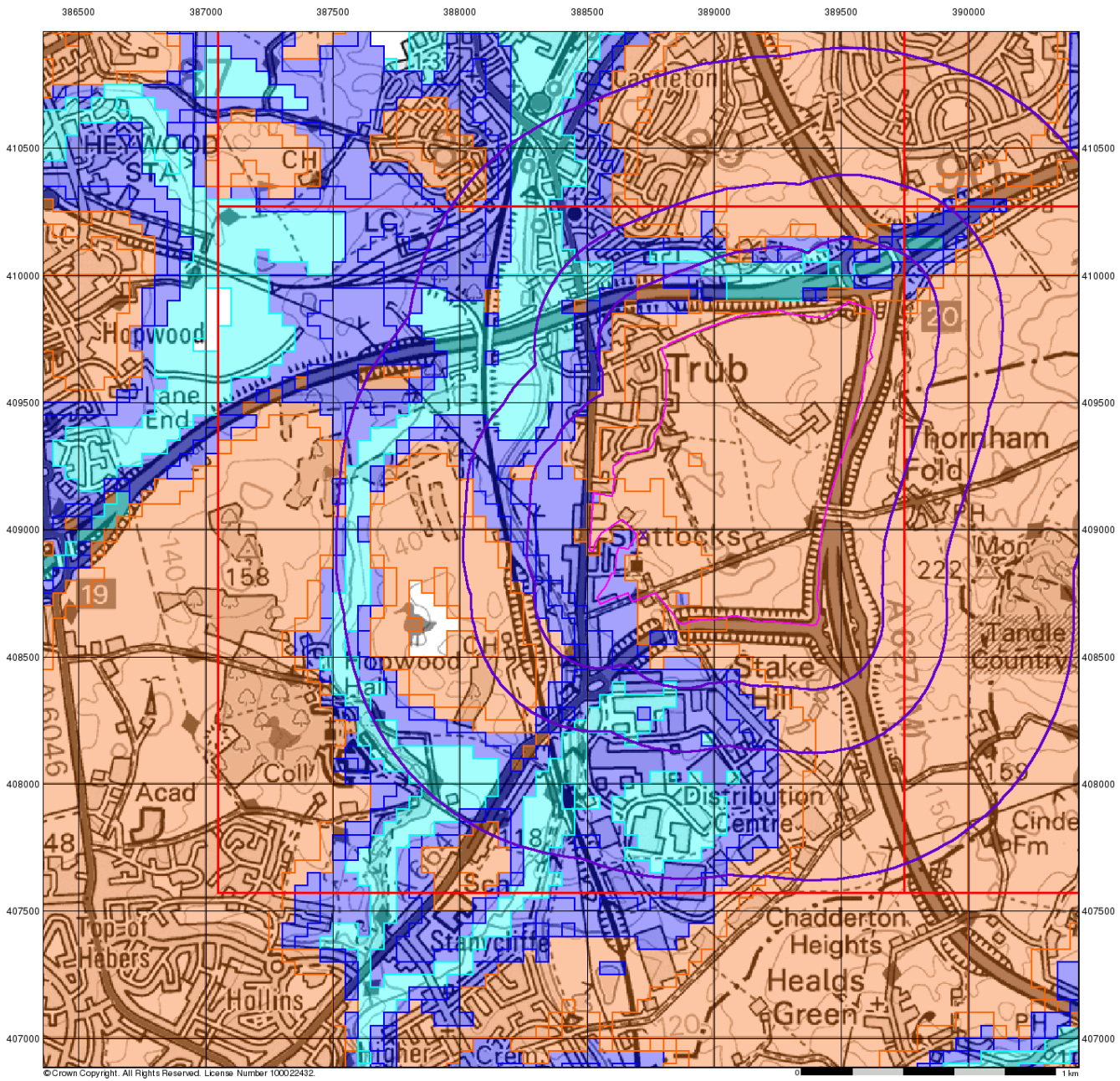
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Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



RSK

BGS Flood GFS Data

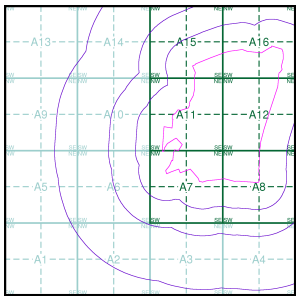
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
300522833_1_1

Customer Reference:
322974

National Grid Reference:
388720, 408980

Slice:
A

Site Area (Ha):
95.3

Search Buffer (m):
1000

Site Details:

Thornfield Farm, Thornham Lane
Middleton
MANCHESTER
M24 2SH

Client Details:

Mr R Newberry
RSK Environment Ltd
Spring Lodge
172 Chester Road
Helsby
Cheshire
WA6 0AR

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Introduction

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

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 6			2	17
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 10				5
Integrated Pollution Prevention And Control	pg 11			1	2
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 12		1	5	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature		Yes			
Pollution Incidents to Controlled Waters	pg 13		1	1	3
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 14		1		2
River Quality Biology Sampling Points	pg 15				2
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 15				2
Water Abstractions	pg 16		1		3
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 17	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 18	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 18	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 18	5	56	48	79

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	pg 40	1		1	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 40	1	4	1	
Potentially Infilled Land (Water)	pg 40	1	4	7	7
Registered Landfill Sites	pg 42	1		1	
Registered Waste Transfer Sites	pg 43				1
Registered Waste Treatment or Disposal Sites	pg 43				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 44			3	2
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents	pg 44				3
Planning Hazardous Substance Enforcements					

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 45	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 45	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 49	1	3	1	1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 50	Yes	n/a	n/a	n/a
Mining Instability	pg 50	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 50	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 50	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 50	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 51	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 51	Yes	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 53	1	12	42	33
Fuel Station Entries	pg 60		1		
Points of Interest - Commercial Services	pg 60	1	6	8	19
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 64	2	4	11	17
Points of Interest - Public Infrastructure	pg 66		10	13	19
Points of Interest - Recreational and Environmental	pg 70		1		
Gas Pipelines					
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	pg 71			1	3
Areas of Adopted Green Belt	pg 71	1	1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 71			1	
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 71	1			
Ramsar Sites					
Sites of Special Scientific Interest	pg 71		1		
Special Areas of Conservation	pg 71		1		
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (NE)	0	1	388900 409250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (W)	0	1	388700 408978
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SE)	0	1	388850 408750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (NE)	0	1	388800 409050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SW (E)	0	1	388720 408978
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SE)	0	1	388900 408650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SE (N)	0	1	389000 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16SE (NE)	0	1	389450 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (S)	28	1	388850 408600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (S)	34	1	388750 408600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15SE (N)	37	1	389050 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	48	1	389400 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NW (SW)	50	1	388450 408750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	59	1	389550 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16SW (NE)	60	1	389350 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SE (N)	63	1	388900 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	74	1	389600 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	76	1	388950 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	82	1	388850 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	101	1	388720 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	104	1	389500 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A16NE (NE)	107	1	389550 410000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A16NE (NE)	108	1	389450 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SE (N)	110	1	388900 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (SW)	115	1	388350 408800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	120	1	389750 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SE (S)	128	1	388800 408500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW (N)	128	1	388720 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NW (NE)	130	1	389350 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	133	1	389750 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SW (S)	135	1	388720 408550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15NE (N)	137	1	388950 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11SW (NW)	138	1	388400 409200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	155	1	389700 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	156	1	389550 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6NE (W)	162	1	388350 408900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SW (SW)	164	1	388500 408550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	169	1	389600 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A16NW (NE)	173	1	389350 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	174	1	388800 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	180	1	389800 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NE (SW)	184	1	388300 408750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (NW)	184	1	388450 409350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	186	1	389750 410000

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	A16NW (N)	187	1	389150 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NW (NE)	187	1	389250 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	192	1	388600 409700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NW (N)	199	1	389100 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SE (SE)	201	1	389050 408450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	204	1	388800 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	204	1	389500 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NE (N)	206	1	389050 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NE (NE)	206	1	389550 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (W)	211	1	388300 408978
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	224	1	389750 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (NW)	227	1	388400 409350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A10NE (NW)	231	1	388300 409350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	232	1	389650 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (NW)	233	1	388300 409200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NW (N)	242	1	389100 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A11NW (NW)	242	1	388450 409500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	244	1	389850 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	247	1	389700 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NE (N)	254	1	389050 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NW (N)	259	1	388720 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	267	1	389000 410100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NE)	267	1	389750 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	281	1	388800 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A16NW (NE)	284	1	389300 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NE (W)	286	1	388250 408800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NE (SW)	291	1	388250 408750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A16NE (NE)	294	1	389700 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	310	1	389900 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (W)	311	1	388200 408950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (W)	313	1	388200 408978
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NE (N)	315	1	389000 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NW (N)	321	1	388650 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15SW (N)	323	1	388500 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NE (N)	328	1	388950 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SE (NW)	331	1	388200 409200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	334	1	389900 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	335	1	389800 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SW (SW)	341	1	388400 408400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A15NW (N)	347	1	388600 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SW (S)	350	1	388720 408300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15NW (N)	351	1	388720 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	355	1	389950 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	358	1	389750 410200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (W)	363	1	388150 408978
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	368	1	390000 408978
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A15SW (N)	369	1	388450 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	377	1	389950 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	379	1	389800 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NW (N)	379	1	388720 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	402	1	390000 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	404	1	389950 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A15NE (N)	412	1	389000 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6NE (SW)	414	1	388150 408600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SE (W)	416	1	388100 409000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SW (S)	419	1	388450 408300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	423	1	389800 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A3NE (S)	433	1	388950 408200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7SW (SW)	433	1	388400 408300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NE)	445	1	390000 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A6SE (SW)	453	1	388350 408300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A10SW (W)	469	1	388050 409050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NE)	474	1	389900 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A6SE (SW)	477	1	388300 408300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A10SW (W)	480	1	388050 409200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Rochdale Canal Co Property Type: Not Given Location: Canal Lockhouse Slattocks , 75 Dalest , MANCHESTER , M1 2HG Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993265-01 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Tank and filter Discharge Environment: Canal Receiving Water: Spetic Tank/Filter; Outlet To Watercourse; Rochdale Canal **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	255	2	388400 408500
1	**Discharge Consents** Operator: Rochdale Canal Co Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Canal Lockhouse Stp Slattocks Slattocks, Middleton, Manchester, Greater Manchester, M24 Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993265 Permit Version: 1 Effective Date: 8th July 1998 Issued Date: 8th July 1998 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Canal Receiving Water: Rochdale Canal **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	259	2	388400 408495
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016950034 Permit Version: 2 Effective Date: 31st January 1985 Issued Date: 31st January 1985 Revocation Date: 30th December 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	654	2	388035 409575
2	**Discharge Consents** Operator: Volkerstevin Limited Property Type: GROUNDWATER REMEDIATION SITES/CIVIL ENGINEERING Location: Construction Site At Castleton Wwtw, Rochdale Road, Middleton, Greater Manchester, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprub3192ev Permit Version: 1 Effective Date: 5th May 2021 Issued Date: 5th May 2021 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Site Drainage (Contam Surface Water, Not Tips) Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	656	2	388040 409585

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950034 Permit Version: 6 Effective Date: 1st January 2022 Issued Date: 17th November 2021 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook Trib River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	661	2	388030 409580
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950034 Permit Version: 5 Effective Date: 17th September 2018 Issued Date: 17th September 2018 Revocation Date: 31st December 2021 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook Trib River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	661	2	388030 409580
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950034 Permit Version: 4 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: 16th September 2018 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	661	2	388030 409580
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950034 Permit Version: 3 Effective Date: 31st December 2005 Issued Date: 21st December 2005 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	661	2	388030 409580

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016950034 Permit Version: 1 Effective Date: 12th January 1980 Issued Date: Not Supplied Revocation Date: 30th January 1985 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	661	2	388030 409580
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Castleton South Junction Cso Adj To M62 Castleton (Trub Farm), Rochdale, ., Greater Manchester, Ol11 1xh Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0094 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: . **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14SE (NW)	655	2	388140 409775
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Castleton Sso Alongside M62 Motorway, Castleton, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016950400 Permit Version: 1 Effective Date: 28th February 1983 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	656	2	388140 409780
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Castleton South Junction Cso Adj To M62 Castleton (Trub Farm), Rochdale, ., Greater Manchester, Ol11 1xh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0094 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Not Supplied Receiving Water: Not Supplied **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	656	2	388140 409780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Castleton South Junction Cso Adj To M62 Castleton (Trub Farm), Rochdale, ., Greater Manchester, Ol11 1xh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprqb3593ej Permit Version: 1 Effective Date: 15th April 2020 Issued Date: 15th April 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A14SE (NW)	662	2	388136 409798
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950034 Permit Version: 6 Effective Date: 1st January 2022 Issued Date: 17th November 2021 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook Trib River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	765	2	387860 409520
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950034 Permit Version: 5 Effective Date: 17th September 2018 Issued Date: 17th September 2018 Revocation Date: 31st December 2021 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook Trib River Irwell **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	765	2	387860 409520
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950034 Permit Version: 4 Effective Date: 1st January 2010 Issued Date: 24th September 2009 Revocation Date: 16th September 2018 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	765	2	387860 409520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950034 Permit Version: 3 Effective Date: 31st December 2005 Issued Date: 21st December 2005 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	765	2	387860 409520
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: 016950034 Permit Version: 2 Effective Date: 31st January 1985 Issued Date: 31st January 1985 Revocation Date: 30th December 2005 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Trub Brook **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	765	2	387860 409520
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Castleton Wwtw Cstlt Manchester Golf Club, Hopwood Cottage, Rochdale Road, Middleton, M24 6qp Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016950034 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: Freshwater Stream/River Receiving Water: Trub Brook **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A10NW (NW)	765	2	387860 409520
5	**Integrated Pollution Controls** Name: Woodbridge Foam (Uk) Ltd Location: Unit 65 Finlan Road,Stakehill Industrial Estate,Middleton, MANCHESTER, M24 2FL Authority: Environment Agency, North West Region Permit Reference: Bx0601 Dated: 12th January 2004 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.2 A (B) Di-isocyanate processes within Miscellaneous Industries **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Located by supplier to within 100m	A4NW (S)	641	2	389100 408000
6	**Integrated Pollution Controls** Name: Woodbridge Foam (Uk) Ltd Location: Unit 65, Finlan Road, Stakehill Industrial Estate, MIDDLETON, Manchester, M24 2FL Authority: Environment Agency, North West Region Permit Reference: Bm5194 Dated: 7th March 2002 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.2 A (B) Di-isocyanate processes within Miscellaneous Industries **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Manually positioned to the road within the address or location	A4NW (SE)	677	2	389163 407959

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Integrated Pollution Controls** Name: Woodbridge Foam (Uk) Ltd Location: Unit 65, Finlan Road, Stakehill Industrial Estate, Middleton, MANCHESTER, M24 2FL Authority: Environment Agency, North West Region Permit Reference: CA3106 Dated: 11th April 2006 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.2 A (B) Di-isocyanate processes within Miscellaneous Industries **Status: Revoked - Now IPPC** Positional Accuracy: Manually positioned to the address or location	A4NW (S)	695	2	389115 407944
6	**Integrated Pollution Controls** Name: Woodbridge Foam (uk) Ltd Location: Unit 65; Finlan Road, Stakehill Industrial Estate, Middleton, MANCHESTER, M24 2FL Authority: Environment Agency, North West Region Permit Reference: BA7026 Dated: 11th May 1998 Process Type: IPC new application Description: 6.2 A (B) Di-isocyanate processes within Miscellaneous Industries **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Unknown	A4NW (S)	695	2	389116 407944
6	**Integrated Pollution Controls** Name: Woodbridge Foam (uk) Ltd Location: Unit 65; Finlan Road, Stakehill Industrial Estate, Middleton, MANCHESTER, M24 2FL Authority: Environment Agency, North West Region Permit Reference: BE3324 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 6.2 A (B) Di-isocyanate processes within Miscellaneous Industries **Status: Authorisation superseded by a substantial or non substantial variation** Positional Accuracy: Unknown	A4NW (S)	700	2	389116 407939
7	**Integrated Pollution Prevention And Control** Name: Proseat Limited Liability Partnership Location: Stakehill Moulded Foam Plant, Unit A, Finlan Road,Stakehill Industrial Estate,Middleton, Manchester, M24 2SJ Authority: Environment Agency, North West Region Permit Reference: HP3635UT Original Permit Ref: Hp3635ut Effective Date: 21st March 2007 **Status: Superseded By Variation** Application Type: Transfer App. Sub Type: Whole without Fit and Proper Person Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 4.1 A(1) (D) Activity Description: Organic Chemicals; Toluene Di-Isocyanate Etc Use >1 T/12 Months If Release To Air Primary Activity: Y Activity Code: 4.1 B a) (ii) Activity Description: Organic Chemicals: Use of >5T of Diphenyl MDI/Other Di-Isocyanate/Partly Polymerised Di-Isocyanates/Prepolymers Containing >5T of These Monomers in any 12mth Period Release To Air of Di-Isocyanate Primary Activity: N	A3NE (S)	424	2	388934 408207
8	**Integrated Pollution Prevention And Control** Name: Proseat Limited Liability Partnership Location: Stakehill Moulded Foam Plant, Unit A, Finlan Road,Stakehill Industrial Estate,Middleton, Manchester, M24 2SJ Authority: Environment Agency, North West Region Permit Reference: XP3638HA Original Permit Ref: Hp3635ut Effective Date: 27th January 2011 **Status: Effective** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (D) Activity Description: Organic Chemicals; Toluene Di-Isocyanate Etc Use >1 T/12 Months If Release To Air Primary Activity: Y Activity Code: 4.1 B a) (ii) Activity Description: Organic Chemicals: Use of >5T of Diphenyl MDI/Other Di-Isocyanate/Partly Polymerised Di-Isocyanates/Prepolymers Containing >5T of These Monomers in any 12mth Period Release To Air of Di-Isocyanate Primary Activity: N	A4NW (SE)	594	2	389266 408039

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Integrated Pollution Prevention And Control** Name: Woodbridge Foam (Uk) Ltd Location: Stakehill Industrial Estate, Touchet Hall Road, Middleton, MANCHESTER, M24 2SJ Authority: Environment Agency, North West Region Permit Reference: BS3255IE Original Permit Ref: Bs3255ie Effective Date: 28th September 2006 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 B a) (ii) Activity Description: Organic Chemicals: Use of >5T of Diphenyl MDI/Other Di-Isocyanate/Partly Polymerised Di-Isocyanates/Prepolymers Containing >5T of These Monomers in any 12mth Period Release To Air of Di-Isocyanate Primary Activity: N Activity Code: 4.1 A(1) (D) Activity Description: Organic Chemicals; Toluene Di-Isocyanate Etc Use >1 T/12 Months If Release To Air Primary Activity: Y	A4NW (SE)	594	2	389266 408039
9	**Local Authority Pollution Prevention and Controls** Name: Hopwood Service Station Location: Rochdale Road, Hopwood, MIDDLETON, Lancashire, M24 2RA Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 96/09 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	112	3	388452 408652
10	**Local Authority Pollution Prevention and Controls** Name: Lew Diecasting Ltd Location: Trows Lane, Castleton, ROCHDALE, Lancashire, OL11 2UF Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 37/05 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A15NE (N)	312	3	388838 410073
10	**Local Authority Pollution Prevention and Controls** Name: Lew Diecasting Ltd Location: Trows Lane, Castleton, ROCHDALE, Lancashire, OL11 2UF Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 37/05 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/3 Electrical and rotary furnaces **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A15NE (N)	312	3	388838 410073
10	**Local Authority Pollution Prevention and Controls** Name: Lew Diecastings Ltd Location: Trows Lane, Rochdale, Lancashire, OL11 2UF Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 37/05 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/8 Copper and copper alloy processes **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A15NE (N)	312	3	388838 410073
11	**Local Authority Pollution Prevention and Controls** Name: Woodbirdge Foam Ltd Location: Stakehill Industrial Estate, Slattocks, Middleton, MANCHESTER, Lancashire, M24 Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: P55/06 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/29 Di-isocyanate processes **Status: Authorised** Positional Accuracy: Manually positioned within the geographical locality	A4NW (SE)	410	3	389119 408231

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**Local Authority Pollution Prevention and Controls** Name: Omc Ford Location: Manchester Road, Castleton, ROCHDALE, Lancashire, OL11 2TR Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 58/10 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A15NW (N)	430	3	388500 410026
13	**Local Authority Pollution Prevention and Controls** Name: Proseat Llp Location: Site A, Finlan Road, Stakehill Industrial Estate, Middleton, Manchester, M24 2SJ Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 89/06 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/29 Di-isocyanate processes **Status: Permitted** Positional Accuracy: Manually positioned within the geographical locality	A3NE (S)	558	3	388809 408075
14	**Local Authority Pollution Prevention and Controls** Name: Vitamol Location: Units 64-65, Stakehill Industrial Estate, Middleton, MANCHESTER, Lancashire, M24 2FL Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/29 Di-isocyanate processes **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A4NW (S)	696	3	389115 407943
15	**Local Authority Pollution Prevention and Controls** Name: Thomas Glover & Co Location: Unit 70 Whitbrook Way, Stakehill Industrial Estate, Middleton, MANCHESTER, Lancashire, M24 2RW Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: P27/06 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A3NW (S)	764	3	388504 407944
	Nearest Surface Water Feature	A11SE (E)	0	-	389017 408996
16	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Whit Brook; None Pollution Found Incident Date: 26th June 1995 Incident Reference: 95611536 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SE)	248	2	389000 408400
17	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Trub Bk; Rising Sludge Incident Date: 2nd August 1995 Incident Reference: 95611968 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: High Temperature Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (SE)	337	2	389200 408300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**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: Miscellaneous - Unknown Note: Trub Brook Incident Date: 29th January 1992 Incident Reference: 92610159 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (NW)	697	2	388000 409600
19	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Whit Brook Incident Date: 8th May 1992 Incident Reference: 92611251 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A3NW (S)	708	2	388500 408000
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Slattock Stream Incident Date: 1st February 1993 Incident Reference: 93610138 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A2SE (S)	940	2	388300 407800
	River Quality Name: Rochdale Canal GQA Grade: River Quality B Reach: Qsl At Summit To Empress Processing Estimated Distance (km): 27.6 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	A6NE (W)	143	2	388337 408889
	River Quality Name: Whit (Trub) Bk GQA Grade: River Quality D Reach: Qsl At Castleton Stw To Irk Estimated Distance (km): 4.5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A10SW (W)	707	2	387814 409092
	River Quality Name: Whit Bk GQA Grade: River Quality E Reach: Qsl At Stake Hill To Trub Bk Estimated Distance (km): 2.3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A4SW (SE)	735	2	389353 407828

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**River Quality Biology Sampling Points** Name: Wince Beck Reach: Qsl At Castleton Sewage Treatment Works To Irk Estimated Distance: 4.50 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 1995 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2000 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2002 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2003 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2004 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2005 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2006 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2007 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2008 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2009 GQA Grade: River Quality Biology GQA Grade E - Poor	A14SW (NW)	697	2	388000 409600
22	**River Quality Biology Sampling Points** Name: Whit Bk (Irk) Reach: Qsl At Stake Hill To Trub Brook Estimated Distance: 2.30 Positional Accuracy: Located by supplier to within 100m Year: 1990 GQA Grade: River Quality Biology GQA Grade F - Bad Year: 1995 GQA Grade: River Quality Biology GQA Grade F - Bad Year: 2000 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2002 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2003 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2004 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2005 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2006 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2007 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2008 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2009 GQA Grade: River Quality Biology GQA Grade E - Poor	A4SE (SE)	732	2	389500 407900
23	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 1st May 2011 Incident Reference: 881040 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified: Not Identified	A3NW (S)	679	2	388465 408033
24	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 7th August 2008 Incident Reference: 611646 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Organic Chemicals/Products: Surfactants And Detergents	A3SE (S)	914	2	388945 407716

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Water Abstractions** Operator: W Greenwood Licence Number: 2569005017 Permit Version: 100 Location: Spring Fed Well At Thornham Fold Farm, Slattocks, Middlet 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): 7 Yearly Rate (m3): 2655 Details: Thornham Fold Farm, Slattocks Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SE (E)	242	2	389700 409100
26	**Water Abstractions** Operator: The Manchester Golf Club Ltd Licence Number: 2569005053 Permit Version: 100 Location: Trub Brk At Rochdale Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 26 Yearly Rate (m3): 1473 Details: Manchester Golf Club Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10NW (NW)	809	2	387800 409500
27	**Water Abstractions** Operator: The Manchester Golf Club Ltd Licence Number: 2569005053 Permit Version: 100 Location: Trub Brk At Rochdale Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Manchester Golf Club Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (W)	911	2	387600 408900
28	**Water Abstractions** Operator: The Manchester Golf Club Ltd Licence Number: 2569005053 Permit Version: 100 Location: Trub Brk At Rochdale Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Manchester Golf Club Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SE (W)	922	2	387600 409100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A11SW (N)	0	4	388720 409000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A11SE (E)	0	4	389000 409000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A11SW (E)	0	4	388720 408978
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A11SE (E)	0	4	389000 408978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A12SW (NE)	0	4	389278 409221
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11SW (E)	0	4	388720 408978
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A12SW (NE)	0	4	389278 409221
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11SW (E)	0	4	388720 408978
	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				
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 256.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	0	5	388637 408891
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 158.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11SW (W)	0	5	388665 408993
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 210.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11SW (NW)	0	5	388678 409044
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A11SE (N)	0	5	388797 409180

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 651.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16SW (N)	0	5	389073 409844
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 76.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SE (N)	15	5	388997 409841
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SE (N)	34	5	388866 409784
36	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 13.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SE (N)	38	5	388981 409834
37	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SE (N)	39	5	388992 409842
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 123.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SE (N)	40	5	388856 409787
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 176.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SE (N)	40	5	388832 409789
40	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 46.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SE (N)	41	5	388946 409848
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 67.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	48	5	388505 408689

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 40.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (E)	57	5	389539 409201
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (E)	64	5	389512 409084
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (E)	66	5	389508 409067
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (E)	66	5	389509 409073
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16SE (NE)	82	5	389703 409675
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16SE (NE)	88	5	389712 409642
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 157.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NE)	98	5	389732 409492
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	103	5	388489 408623
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	113	5	388498 408607

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (S)	119	5	388867 408511
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (S)	121	5	388867 408508
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 179.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (N)	122	5	388709 409873
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	123	5	388501 408594
55	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 1216.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A6NE (SW)	132	5	388362 408787
56	**OS Water Network Lines** Watercourse Form: Reservoir Watercourse Length: 139.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	133	5	389151 410007
57	**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	A16NW (NE)	139	5	389287 409998
58	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 55.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	141	5	389293 409999
59	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SW (SW)	149	5	388511 408563

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (N)	154	5	389142 410004
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 98.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15NE (N)	154	5	389044 410008
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (N)	154	5	389141 410004
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 133.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SW (SW)	156	5	388513 408555
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (N)	167	5	389143 410016
65	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 36.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	172	5	389156 410024
66	**OS Water Network Lines** Watercourse Form: Reservoir Watercourse Length: 198.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15NE (N)	180	5	389044 410008
67	**OS Water Network Lines** Watercourse Form: Marsh Watercourse Length: 19.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	184	5	389189 410040
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (N)	184	5	388706 409874

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NE (NE)	190	5	389489 410094
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 271.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NE (NE)	191	5	389523 410086
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	192	5	389330 410040
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	195	5	389202 410053
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 86.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	198	5	389331 410046
74	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 96.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	202	5	389404 410092
75	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 63.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	206	5	389465 408418
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	206	5	389477 408434
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 181.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	211	5	389568 408497

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 100.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	211	5	389568 408497
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	218	5	389220 410078
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 149.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (N)	219	5	388675 409896
81	**OS Water Network Lines** Watercourse Form: Reservoir Watercourse Length: 19.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	221	5	389223 410082
82	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (SW)	229	5	388460 408496
83	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 52.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (SW)	229	5	388460 408496
84	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 15.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (SW)	232	5	388454 408496
85	**OS Water Network Lines** Watercourse Form: Reservoir Watercourse Length: 23.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	233	5	389237 410096
86	**OS Water Network Lines** Watercourse Form: Reservoir Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	235	5	389216 410105

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 195.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (E)	244	5	389669 408667
88	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 30.2 Watercourse Level: Underground Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (SW)	247	5	388450 408481
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	250	5	389246 410114
90	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	254	5	389465 408380
91	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	258	5	389214 410119
92	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 43.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	267	5	389436 408339
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 399.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	270	5	389655 408531
94	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (SW)	274	5	388452 408451
95	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (SW)	277	5	388462 408444

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 66.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (SW)	277	5	388462 408444
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 115.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A16NW (NE)	279	5	389212 410139
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (E)	282	5	389695 408710
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (E)	290	5	389703 408704
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A15NE (N)	293	5	388846 410061
101	**OS Water Network Lines** Watercourse Form: Reservoir Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A15NE (N)	293	5	388858 410061
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 77.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A15NE (N)	297	5	388769 410064
103	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 42.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	300	5	389425 408325
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 83.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	319	5	389510 408325

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 259.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A15NW (N)	329	5	388550 409978
106	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 58.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (SW)	340	5	388463 408378
107	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (SW)	340	5	388463 408378
108	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 25.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (SW)	348	5	388464 408369
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 81.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A15NW (N)	360	5	388478 409939
110	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 222.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A10NE (NW)	364	5	388298 409448
111	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (S)	373	5	388464 408344
112	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 65.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (S)	385	5	388464 408331
113	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 257.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (SE)	386	5	389481 408248

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 138.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A15SW (N)	388	5	388436 409915
115	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 349.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A14SE (NW)	408	5	388377 409677
116	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 26.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A14SE (NW)	416	5	388371 409651
117	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 56.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A14SE (NW)	425	5	388349 409600
118	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A10NE (NW)	426	5	388349 409596
119	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 27.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A10NE (NW)	426	5	388349 409596
120	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 152.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A14SE (NW)	429	5	388349 409600
121	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 186.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A10NE (NW)	446	5	388322 409596
122	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 53.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (S)	448	5	388468 408266

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 65.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A7SW (S)	448	5	388468 408266
124	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A6SE (SW)	465	5	388118 408535
125	**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	A6SE (SW)	466	5	388109 408556
126	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A6SE (SW)	466	5	388115 408539
127	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: Underground Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A14SE (NW)	472	5	388341 409870
128	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A6SE (SW)	473	5	388111 408531
129	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 289.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whit Brook Catchment Name: Mersey Primacy: 1	(SE)	477	5	389793 408355
130	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 48.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A14SE (NW)	479	5	388319 409853
131	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6SE (SW)	480	5	388095 408548

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6SE (SW)	480	5	388104 408528
133	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6SE (SW)	482	5	388095 408548
134	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 17.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6NE (SW)	485	5	388078 408593
135	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 71.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6SE (SW)	490	5	388099 408514
136	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6NE (SW)	493	5	388066 408602
137	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 63.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	500	5	388466 408213
138	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 97.3 Watercourse Level: Underground Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A14SE (NW)	501	5	388292 409739
139	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A14SE (NW)	510	5	388300 409844
140	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 16.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A14SE (NW)	528	5	388278 409835

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 147.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A14SE (NW)	528	5	388278 409835
142	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 64.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6SE (SW)	528	5	388092 408443
143	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 158.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A14SE (NW)	535	5	388276 409852
144	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 54.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A10NE (NW)	542	5	388135 409521
145	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 58.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6SE (SW)	561	5	388130 408335
146	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	563	5	388468 408150
147	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 7.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	563	5	388468 408150
148	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6SE (SW)	566	5	388089 408379
149	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 50.2 Watercourse Level: On ground surface Permanent: False Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	566	5	388461 408148

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A10NE (NW)	572	5	388134 409576
151	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 24.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	574	5	388469 408139
152	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 159.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A14NE (NW)	579	5	388294 410006
153	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (NW)	587	5	388135 409602
154	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (NW)	590	5	388131 409602
155	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 186.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6SE (SW)	595	5	388074 408349
156	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	598	5	388469 408114
157	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	612	5	388462 408101
158	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 132.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	613	5	388468 408099

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (NW)	619	5	388097 409604
160	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 279.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whit Brook Catchment Name: Mersey Primacy: 1	A4NE (SE)	620	5	389484 407924
161	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.1 Watercourse Level: Underground Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A14SE (NW)	622	5	388089 409599
162	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A14SE (NW)	622	5	388089 409599
163	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 58.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A10NE (NW)	623	5	388086 409596
164	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 77.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A14SE (NW)	624	5	388090 409603
165	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A4NW (SE)	626	5	389401 407990
166	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A3NW (S)	636	5	388443 408079
167	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.2 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A4NW (SE)	639	5	389393 407984

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
168	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 44.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A4NW (SE)	644	5	389388 407979
169	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 44.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A14SE (NW)	652	5	388143 409777
170	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 44.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14NE (N)	658	5	388280 410124
171	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 61.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A10NW (NW)	662	5	388029 409581
172	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A10NW (NW)	662	5	388029 409581
173	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 98.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A14SE (NW)	666	5	388095 409679
174	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A3NW (S)	667	5	388437 408050
175	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 109.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A14NE (N)	675	5	388292 410164
176	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 114.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whit Brook Catchment Name: Mersey Primacy: 1	A4NW (SE)	680	5	389372 407941

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
177	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 803.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whit Brook Catchment Name: Mersey Primacy: 1	A4NW (SE)	683	5	389287 407936
178	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (NW)	696	5	388099 409777
179	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.4 Watercourse Level: Underground Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A10NW (NW)	699	5	387970 409566
180	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 68.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A3NW (S)	699	5	388428 408019
181	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 204.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A10NW (NW)	701	5	387967 409565
182	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: Underground Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A10NW (NW)	743	5	387836 409421
183	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 262.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A10NW (NW)	744	5	387835 409418
184	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	745	5	388458 407967
185	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 34.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	745	5	388458 407967

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 99.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (NW)	751	5	388047 409801
187	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	756	5	388457 407957
188	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 202.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A2NW (SW)	759	5	388001 408183
189	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 308.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A3NW (S)	765	5	388398 407958
190	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 16.7 Watercourse Level: Underground Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	777	5	388445 407937
191	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 120.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (N)	780	5	388215 410255
192	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 23.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	781	5	388454 407932
193	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 13.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3NW (S)	794	5	388444 407920
194	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 197.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3SW (S)	805	5	388451 407908

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
195	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 226.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (NW)	809	5	388003 409890
196	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 42.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (NW)	809	5	388003 409890
197	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 93.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SW (NW)	816	5	388007 409933
198	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 98.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (W)	872	5	387667 409288
199	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (W)	872	5	387665 409281
200	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 103.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (W)	872	5	387666 409287
201	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 145.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A9NE (W)	873	5	387664 409280
202	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 456.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A5NE (W)	902	5	387609 408893
203	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 309.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A5NE (W)	932	5	387588 408791

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
204	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 101.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A5NE (W)	934	5	387585 408800
205	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 81.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NW)	935	5	388013 410242
206	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whit Brook Catchment Name: Mersey Primacy: 1	A3SW (S)	941	5	388696 407706
207	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whit Brook Catchment Name: Mersey Primacy: 1	A3SW (S)	941	5	388698 407706
208	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 155.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A2NW (SW)	946	5	387865 408054
209	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A9SE (W)	948	5	387578 409173
210	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 322.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SE (W)	953	5	387579 409245
211	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 98.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A2NW (SW)	956	5	387895 408011
212	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 34.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A2NW (SW)	962	5	387775 408136

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
213	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 90.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whit Brook Catchment Name: Mersey Primacy: 1	A3SW (S)	972	5	388635 407687
214	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 249.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Trub Brook Catchment Name: Mersey Primacy: 1	A2NW (SW)	981	5	387777 408103
215	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 66.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A2SE (S)	999	5	388393 407721
216	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 10.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	A3SW (S)	999	5	388397 407719

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
217	**Historical Landfill Sites** Licence Holder: Drake Brothers Location: Chesham Avenue, Castleton, Rochdale, Greater Manchester Name: Land At Newhey Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15862 First Input Date: 31st December 1984 Last Input Date: 28th February 1985 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9042 BGS Ref: Not Supplied Other Ref: RD/LIC/305/83, D051	A11SE (NE)	0	2	388809 409174
218	**Historical Landfill Sites** Licence Holder: W Maher and Sons Limited Location: Rochdale Road, Stannycliffe, Middleton, Greater Manchester Name: Land at Manchester Golf Club Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15889 First Input Date: 1st July 1992 Last Input Date: 31st December 1992 Specified Waste Type: Deposited Waste included Inert Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9134 BGS Ref: Not Supplied Other Ref: D116, RD/LIC/755/92	A6NE (SW)	370	2	388172 408665
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	3	388720 408978
	Local Authority Landfill Coverage Name: Oldham Metropolitan Borough Council - Has not been able to supply Landfill data		148	6	389731 409532
219	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A16SW (NE)	0	-	389284 409830
220	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A11SW (NW)	14	-	388591 409253
221	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A8NW (SE)	20	-	389251 408615
222	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A15SW (N)	80	-	388725 409663
223	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A15SW (N)	190	-	388679 409864
224	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1984	A7SE (S)	373	-	388849 408257
225	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A16SE (NE)	0	-	389518 409825
226	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A11SW (NW)	60	-	388484 409187
227	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A11NW (N)	144	-	388625 409441

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
228	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A16NE (NE)	148	-	389459 410027
229	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8SE (SE)	169	-	389470 408463
230	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A7SW (S)	310	-	388701 408328
231	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A12SE (E)	312	-	389746 409003
232	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A7SW (S)	374	-	388545 408332
233	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A8SE (SE)	404	-	389595 408270
234	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A3NE (S)	424	-	388985 408217
235	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A6SE (SW)	475	-	388120 408504
236	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SE (NW)	494	-	388296 409737
237	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SE (NW)	524	-	388268 409733
238	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A3NE (S)	567	-	388967 408068
239	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A4NE (SE)	610	-	389605 408050
240	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SE (NW)	665	-	388108 409692
241	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A3SE (S)	722	-	388917 407907
242	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A14NW (NW)	957	-	387826 410015
243	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A4SW (S)	989	-	389244 407644

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
244	**Registered Landfill Sites** Licence Holder: Drake Bros. Licence Reference: 00305/83 Site Location: Newhey Farm, Chesham Avenue, Castleton, Rochdale, Lancashire Licence Easting: 388820 Licence Northing: 409200 Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 3rd April 1984 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: Ceramic Waste Constr'N/Demol. Inert/Non-Haz/Non-Tox Glass/Cullet Inert Waste Metal Scrap Plastic/Polythene (Including Sacks) Soil,Clay,Sand Stone,Brick,Concrete,Slate Wood Waste/Timber Prohibited Waste: Carcasses And Flesh Chemical Wastes Food Waste Liquid Wastes Paper/Cardboard Waste Plasterboard/Plaster Sawdust/Bark Sludge Wastes Textiles, Rag,Wool,Cloth,Hessian Etc Vegetable/Processing Waste Waste Forming Polluting Leachate	A11SE (NE)	0	2	388820 409200
245	**Registered Landfill Sites** Licence Holder: W Maher & Sons Ltd Licence Reference: 00755 Site Location: Manchester Golf Club, Middleton, Manchester, Greater Manchester Licence Easting: 388100 Licence Northing: 408600 Operator Location: Ashburton Road East, TRAFFORD PARK, Greater Manchester, M17 1BN Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Approximate location provided by supplier Boundary Accuracy: Not Applicable Authorised Waste: Uncontam.Rubble, Hardcore, Stone Uncontam.Soil, Clay, Sand Prohibited Waste: Asbestos Liquid/Sludge Wastes Malodorous Wastes Pretreated Wastes Not Permit.By Lic. Skip Waste Special Wastes Waste In Drums Waste N.O.S.	A6NE (SW)	462	2	388100 408600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
246	**Registered Waste Transfer Sites** Licence Holder: Safety-Kleen Uk Ltd Licence Reference: 00522/88 Site Location: Unit 57 Stakehill Industrial Estate, Bentley Avenue, Middleton, MANCHESTER, Greater Manchester, M24 2FL Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Undefined Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st December 1989 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: Aliphatic Hydrocarbons Paint Waste $	A3NE (S)	603	2	388862 408026
247	**Registered Waste Treatment or Disposal Sites** Licence Holder: Puresolve Division Of C.P.S Industries Licence Reference: 01157 Site Location: Unit 38 Stakehill Industrial Estate, Middleton, Manchester, Greater Manchester Operator Location: 190 The Strand, LONDON, Greater London, WC2R 1JN 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: Licence has completion certificateSurrendered Dated: 1st March 1996 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Kerosene Based Degreasers Max.Waste Permitted By Licence Waste Brake Fluid Waste Oil Filters Waste Paint/Thinners Waste Radiator Coolant Prohibited Waste: Waste N.O.S.	A3NW (S)	729	2	388571 407963

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
248	**Control of Major Accident Hazards Sites (COMAH)** Name: Bibby Distribution Limited Location: Middleton, Unit S1, Stakehill Industrial Estate, Middleton, Manchester, Greater Manchester, M24 2rw Reference: Not Supplied Type: Lower Tier **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A3NE (S)	420	7	388951 408214
249	**Control of Major Accident Hazards Sites (COMAH)** Name: Woodbridge Foam (Uk) Ltd Location: Stakehill Industrial Estate, Finlan Road, Manchester, Lancashie, M24 2SJ Reference: 11844 Type: Lower Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Manually positioned to the road within the address or location	A3NE (S)	464	7	388810 408170
249	**Control of Major Accident Hazards Sites (COMAH)** Name: Proseat Llp Location: Stakehill Industrial Estate, Finlan Road, Middleton, Manchester, Greater Manchester, M24 2SJ Reference: 1027323 Type: Lower Tier **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A3NE (S)	469	7	388792 408168
250	**Control of Major Accident Hazards Sites (COMAH)** Name: Proseat Llp Location: Unit A Stakehill Industrial Estate, Touchet Hall Road, Manchester, Greater Manchester, M24 2SJ Reference: Not Supplied Type: Lower Tier **Status: Active** Positional Accuracy: Manually positioned to the address or location	A4NW (SE)	594	7	389266 408039
251	**Control of Major Accident Hazards Sites (COMAH)** Name: Cert Octavian Plc Location: Middleton, Stakehill Industrial Estate, Touchet Hall Road, Middleton,Manchester, Greater Manchester, M24 2SJ Reference: Not Supplied Type: Lower Tier **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A4NW (S)	608	7	389109 408032
252	**Planning Hazardous Substance Consents** Name: Woodbridge Foam Location: Site A, Stakehill Industrial Estate, Middleton, Manchester, Lancashire, M24 2 Authority: Rochdale Metropolitan Borough Council Application Ref: 01/D38536 Hazardous Substance: Toluene diisocyanate Maximum Quantity: 46 Application date: 23rd January 2001 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Located by supplier to within 100m	A4NW (SE)	636	8	389200 408000
253	**Planning Hazardous Substance Consents** Name: Ssl International Plc Location: Unit 78, Stakehill Industrial Estate, Sinlan Road, Middleton, M24 2SJ Authority: Rochdale Metropolitan Borough Council Application Ref: 09/D52392 Hazardous Substance: Unknown at time of report Maximum Quantity: 0 Application date: 25th August 2009 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	A4SW (SE)	767	8	389328 407858
254	**Planning Hazardous Substance Consents** Name: Not Supplied Location: Stakehill Industrial Park, Touchet Hall Road, Middleton, M24 2rw Authority: Rochdale Metropolitan Borough Council Application Ref: 08/D50510 Hazardous Substance: Unknown at time of report Maximum Quantity: 0 Application date: 26th February 2008 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the road within the address or location	A3SW (S)	996	8	388692 407651

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A11SW (E)	0	1	388720 408978
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment 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	A11SE (E)	0	1	389000 409000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (N)	0	1	388720 409000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 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	A11SE (E)	0	1	389000 408978
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (E)	0	1	388720 408978
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NW (N)	0	1	388720 409500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SW (W)	11	1	388500 408978

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 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15SW (N)	110	1	388683 409757
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7SW (S)	128	1	388720 408500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NE (N)	147	1	389000 409957
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NW (N)	187	1	388720 410000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7SW (SW)	213	1	388500 408500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11NW (NW)	253	1	388500 409500

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 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A15NW (N)	411	1	388500 410000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10SW (W)	511	1	388000 408978
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10SW (W)	516	1	388000 409000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A6NW (SW)	575	1	387968 408662
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A6SW (SW)	587	1	388000 408500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A3NE (S)	623	1	389000 408000

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: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A3NW (S)	628	1	388720 408000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A10NW (NW)	636	1	388000 409500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A6SW (SW)	662	1	387921 408500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 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	A3NW (S)	708	1	388500 408000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 3.0 - 6.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 15 - 30 mg/kg	A6SW (SW)	709	1	387872 408500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 200 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A3SE (S)	722	1	388873 407904

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 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NW)	835	1	388000 410000
255	**BGS Recorded Mineral Sites** Site Name: Castleton Sand Pit Location: Castleton, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15322 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A16SW (NE)	0	1	389265 409820
256	**BGS Recorded Mineral Sites** Site Name: Stake Hill Sand Pit Location: Castleton, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 249186 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A8NW (SE)	11	1	389253 408624
257	**BGS Recorded Mineral Sites** Site Name: Fox Hill Sand Pit Location: Castleton, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 249184 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A15SW (N)	110	1	388695 409658
258	**BGS Recorded Mineral Sites** Site Name: Castleton Sand Pit Location: Castleton, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15321 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A15SE (N)	123	1	388760 409835
259	**BGS Recorded Mineral Sites** Site Name: Stake Hill Sand Pit Location: Castleton, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 249185 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Sheet Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A7SE (S)	366	1	388849 408264

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
260	**BGS Recorded Mineral Sites** Site Name: Hopwood Hall Sand Pit Location: Hopwood, Heywood, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96548 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A2NE (SW)	596	1	388184 408236
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A11SW (E)	0	9	388720 408978
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A11SW (E)	0	-	388720 408978
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	0	1	388720 408978
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	104	1	388720 410000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	0	1	388720 408978
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12NW (NE)	0	1	389123 409524
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	104	1	388720 410000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	0	1	388720 408978
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	104	1	388720 410000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	0	1	389425 408941
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NW (SE)	0	1	389368 408601
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A7NE (SE)	0	1	388971 408647
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	0	1	388720 408978
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A7NE (S)	5	1	388824 408621

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8NW (SE)	5	1	389363 408610
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	27	1	389531 409231
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	34	1	389503 409126
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	68	1	389530 409087
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	72	1	389369 409937
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	77	1	389590 409957
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15SE (N)	91	1	388818 409830
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8NE (E)	95	1	389508 408847
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	104	1	388720 410000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	129	1	389624 410000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	140	1	389545 410035
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	153	1	388973 410000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NW (N)	153	1	389078 410000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	163	1	389024 410000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	173	1	388987 409994
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	174	1	389599 408968
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A15NE (N)	175	1	389053 410031
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	231	1	389447 410134
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	0	1	388720 408978
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	104	1	388720 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (E)	0	1	388720 408978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NE)	0	1	388980 409237
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (E)	0	1	388885 408924
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NE)	0	1	388812 409047
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A7NW (SW)	0	1	388606 408773
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (N)	0	1	388680 409176
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (W)	6	1	388507 408967
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NE (NE)	69	1	389640 409430
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15SE (N)	70	1	388818 409830
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	72	1	389172 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A16NW (NE)	104	1	389172 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A16NE (NE)	114	1	389575 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A15NW (N)	147	1	388720 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A8NE (E)	167	1	389582 408711
	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	A11SW (E)	0	1	388720 408978
	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	A11SW (E)	0	1	388720 408978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
261	**Contemporary Trade Directory Entries** Name: T Allen & Co Location: Thornfield Farm, Thornham Lane, Middleton, Manchester, M24 2SH Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (NE)	0	-	389400 409418
262	**Contemporary Trade Directory Entries** Name: Sparkle Fairy Maids Location: 49, Carnforth Avenue, Rochdale, OL11 2YD Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A11NE (N)	25	-	388741 409379
263	**Contemporary Trade Directory Entries** Name: Penny Petroleum Location: Rochdale Rd, Middleton, Manchester, Lancashire, M24 2RA Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A7NW (W)	34	-	388481 408901
264	**Contemporary Trade Directory Entries** Name: Harrison Electricals Location: 801, Rochdale Road, Middleton, Manchester, M24 2RA Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	102	-	388473 408813
265	**Contemporary Trade Directory Entries** Name: B P Service Station Location: ROCHDALE ROAD, MIDDLETON, MANCHESTER, M24 2RA Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	112	-	388452 408652
265	**Contemporary Trade Directory Entries** Name: Hopwood Total Service Station Location: Rochdale Road, Middleton, Manchester, M24 2RA Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NW (SW)	112	-	388452 408652
266	**Contemporary Trade Directory Entries** Name: Rochdale Cleaning Co Location: 28, Avondale Court, Chesham Avenue, Rochdale, Lancashire, OL11 2YN Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NW (N)	123	-	388624 409420
267	**Contemporary Trade Directory Entries** Name: J & L Spares Export Ltd Location: Trows Mill, Trows Lane, Rochdale, Lancashire, OL11 2UF Classification: Engine Rebuilding & Reconditioning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A16NW (N)	132	-	389095 409972
267	**Contemporary Trade Directory Entries** Name: Haworth Leisure Location: Lodge Works, Trows Lane, ROCHDALE, Lancashire, OL11 2UF Classification: Garden & Patio Furniture Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A16NW (N)	153	-	389126 410001
267	**Contemporary Trade Directory Entries** Name: Bsp Services Location: Grange Mill, Trows Lane, Rochdale, Lancashire, OL11 2UF Classification: Heating Services - Industrial and Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A16NW (N)	166	-	389081 410004
267	**Contemporary Trade Directory Entries** Name: Crewe Industrial Services Ltd Location: Grange Mill, Trows Lane, Rochdale, Lancashire, OL11 2UF Classification: Industrial Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A16NW (N)	166	-	389081 410004
267	**Contemporary Trade Directory Entries** Name: Castleton Motor Bodies Location: Unit 6 Grange Industrial Estate, Rochdale, Lancashire, OL11 2UF Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A16NW (N)	166	-	389081 410004

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
268	**Contemporary Trade Directory Entries** Name: A P S Ltd Location: Unit 3 Bentley Avenue, Middleton, Manchester, Greater Manchester, M24 2GP Classification: Metal Finishing Services **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A7SE (S)	250	-	388888 408378
269	**Contemporary Trade Directory Entries** Name: Bentwood Ltd Location: Unit 1 Bentley Avenue,Stakehill Ind Est, Middleton, Manchester, M24 2RW Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SE)	267	-	388988 408381
270	**Contemporary Trade Directory Entries** Name: Cooling Equipment Hire Ltd Location: 1144, Manchester Road, Rochdale, Lancashire, OL11 2XX Classification: Air Conditioning Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A11NW (N)	269	-	388514 409529
271	**Contemporary Trade Directory Entries** Name: Brushstrokes Location: The Grange, Trows Lane, Rochdale, Lancashire, OL11 2UE Classification: Floor Cleaning & Polishing Equipment - Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A16NW (N)	269	-	389119 410116
272	**Contemporary Trade Directory Entries** Name: Ace Polishing Services Ltd Location: Unit 3 Bentley Avenue, Middleton, Manchester, Greater Manchester, M24 2GP Classification: Metal Finishing Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A7SE (S)	271	-	388789 408372
272	**Contemporary Trade Directory Entries** Name: S D L Fittings Location: Unit 7,Bentley Avenue, Middleton, Manchester, Greater Manchester, M24 2GP Classification: Hardware **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A7SE (S)	275	-	388777 408370
273	**Contemporary Trade Directory Entries** Name: Empire Tinting Location: 1050 Manchester Rd, Rochdale, Lancashire, OL11 2XJ Classification: Window Tinting **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A15SW (N)	301	-	388511 409820
273	**Contemporary Trade Directory Entries** Name: Manchester Caravans Location: 1050, Manchester Road, Rochdale, Lancashire, OL11 2XJ Classification: Caravan Dealers & Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15SW (N)	320	-	388492 409821
273	**Contemporary Trade Directory Entries** Name: Drive 4 Cars Location: 1050, Manchester Road, Rochdale, Lancashire, OL11 2XJ Classification: Car Dealers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A15SW (N)	320	-	388492 409821
273	**Contemporary Trade Directory Entries** Name: Empire Tinting & Signs Location: 1050 Manchester Road, Rochdale, Lancashire, OL11 2XJ Classification: Window Tinting **Status: Active** Positional Accuracy: Automatically positioned to the address	A15SW (N)	328	-	388482 409819
273	**Contemporary Trade Directory Entries** Name: D & W Cars Ltd Location: 1050, MANCHESTER ROAD, ROCHDALE, OL11 2XJ Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Automatically positioned to the address	A15SW (N)	328	-	388482 409819
273	**Contemporary Trade Directory Entries** Name: Castleton Van Sales Location: 1050, Manchester Road, Rochdale, Lancashire, OL11 2XJ Classification: Commercial Vehicle Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15SW (N)	328	-	388483 409819

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
273	**Contemporary Trade Directory Entries** Name: C & A Motors Ltd Location: 1050, MANCHESTER ROAD, ROCHDALE, OL11 2XJ Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Automatically positioned to the address	A15SW (N)	328	-	388482 409819
273	**Contemporary Trade Directory Entries** Name: Discount Cars Of Rochdale Location: 1050, Manchester Road, Rochdale, Lancashire, OL11 2XJ Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15SW (N)	338	-	388471 409817
273	**Contemporary Trade Directory Entries** Name: 24 Hour Recovery & Movement Location: 1050, Manchester Road, Rochdale, Lancashire, OL11 2XJ Classification: Breakdown and Recovery **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15SW (N)	338	-	388471 409817
274	**Contemporary Trade Directory Entries** Name: Entwistle Group Location: Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (S)	307	-	388810 408330
275	**Contemporary Trade Directory Entries** Name: L J Autos Location: Unit 1 Grange Works,Trows Lane, Rochdale, Lancashire, OL11 2UF Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A15NE (N)	309	-	389016 410134
275	**Contemporary Trade Directory Entries** Name: Discount Cars Of Rochdale Location: 1 Trows La, Rochdale, Lancashire, OL11 2UF Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A15NE (N)	309	-	389016 410134
276	**Contemporary Trade Directory Entries** Name: Lancashire Casting Location: Trows Lane, Rochdale, Lancashire, OL11 2UF Classification: Die-Casting Equipment & Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15NE (N)	312	-	388838 410073
277	**Contemporary Trade Directory Entries** Name: R D M Industrial Services Ltd Location: Stakehill La, Middleton, Manchester, Lancashire, M24 2RY Classification: Paint Spraying Equipment & Accessories **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8SW (SE)	318	-	389072 408336
278	**Contemporary Trade Directory Entries** Name: Nufox Ltd Location: Bentley Avenue, Middleton, Manchester, M24 2GP Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SE)	318	-	388995 408330
278	**Contemporary Trade Directory Entries** Name: Nufox Rubber Ltd Location: Unit 1, Bentley Avenue, Middleton, Manchester, M24 2GP Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SE)	326	-	389007 408323
278	**Contemporary Trade Directory Entries** Name: Dunlop Extrusions Location: Unit 1, Bentley Avenue, Middleton, Manchester, M24 2GP Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SE)	326	-	389007 408323
278	**Contemporary Trade Directory Entries** Name: Nufox Rubber Ltd Location: Unit 1, Bentley Avenue, Middleton, Manchester, M24 2GP Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SE)	326	-	389007 408323

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
279	**Contemporary Trade Directory Entries** Name: D B T Medical Ltd Location: Bentley Avenue, Middleton, Manchester, M24 2GP Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (S)	332	-	388744 408321
279	**Contemporary Trade Directory Entries** Name: Nufox Location: Bentley Avenue, Middleton, Manchester, M24 2GP Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (S)	332	-	388744 408321
279	**Contemporary Trade Directory Entries** Name: Simkiss Location: Unit 2 Bentley Avenue, Middleton, Manchester, Greater Manchester, M24 2GP Classification: Control Panels **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A7SE (S)	333	-	388736 408323
280	**Contemporary Trade Directory Entries** Name: Leyland & Birmingham Rubber Ltd Location: Unit 1, Bentley Avenue, Middleton, Manchester, M24 2GP Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SW (S)	383	-	388644 408315
280	**Contemporary Trade Directory Entries** Name: Simkiss Controls Systems Ltd Location: Bentley Avenue, Middleton, Manchester, M24 2GP Classification: Electrical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SW (S)	383	-	388644 408315
281	**Contemporary Trade Directory Entries** Name: D P F Removal Manchester Location: Rochdale Road, Middleton, Manchester, M24 6QP Classification: Diesel Engine Equipment & Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A6SE (SW)	388	-	388225 408495
282	**Contemporary Trade Directory Entries** Name: Hays Crate Service Ltd Location: Unit 20/23, Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, Lancashire, M24 2SJ Classification: Pallets, Crates & Packing Cases **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A3NE (S)	397	-	388870 408232
282	**Contemporary Trade Directory Entries** Name: Aluminium Trade Frames Location: The Entwhistle Thorpe Building, Bentley Avenue, Middleton, Manchester, Greater Manchester, M24 2RW Classification: Aluminium Fabricators **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A3NE (S)	398	-	388871 408231
282	**Contemporary Trade Directory Entries** Name: Rent A Crate Ltd Location: Unit 20-23,Stakehill Ind Est, Middleton, Manchester, M24 2SJ Classification: Pallets, Crates & Packing Cases **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A3NE (S)	398	-	388870 408231
283	**Contemporary Trade Directory Entries** Name: R D M Industrial Services Ltd Location: Unit 10, Stakehill Industrial Estate, Middleton, MANCHESTER, M24 2RW Classification: Paint Spraying Equipment & Accessories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (SE)	397	-	389097 408248
284	**Contemporary Trade Directory Entries** Name: E & J Pearn Location: 17, Bates Close, Rochdale, Lancashire, OL11 2TU Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15NW (N)	404	-	388618 410078

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
285	**Contemporary Trade Directory Entries** Name: Lomax Transport Services Location: Trub Farm, Manchester Road, Rochdale, Lancashire, OL11 2XG Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A15SW (N)	422	-	388431 409931
286	**Contemporary Trade Directory Entries** Name: O M C Ford Location: Manchester Road, Rochdale, Lancashire, OL11 2TR Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A15NW (N)	436	-	388492 410027
286	**Contemporary Trade Directory Entries** Name: Go Minibus Travel Location: 951, Manchester Road, Rochdale, Lancashire, OL11 2TR Classification: Disability Equipment - Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15NW (N)	452	-	388479 410037
287	**Contemporary Trade Directory Entries** Name: Night Freight (Gb) Ltd Location: Unit 34, Stakehill Industrial Estate, Middleton, Manchester, Lancashire, M24 2RW Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SW (S)	442	-	388523 408265
288	**Contemporary Trade Directory Entries** Name: Kite Packaging Ltd Location: Unit 24,28,Stakehill Ind Est, Middleton, Manchester, Lancashire, M24 2RW Classification: Packaging Materials Manufacturers & Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A4NW (SE)	451	-	389152 408186
288	**Contemporary Trade Directory Entries** Name: P H S Teacrate Location: Unit 9, Stakehill Industrial Estate, Middleton, Manchester, Lancashire, M24 2RW Classification: Storage & Shelving Systems Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A4NW (SE)	471	-	389166 408165
289	**Contemporary Trade Directory Entries** Name: West Pennine Trucks Ltd Location: Unit 32, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Classification: Commercial Vehicle Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NW (S)	482	-	388632 408207
290	**Contemporary Trade Directory Entries** Name: Sitraben Contract Furniture Location: Unit 3, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Classification: Homefurnishings - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A4NW (SE)	496	-	389111 408146
290	**Contemporary Trade Directory Entries** Name: P & H Contract Services Ltd Location: Unit 5, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A4NW (SE)	501	-	389129 408138
290	**Contemporary Trade Directory Entries** Name: Pullman Fleet Services Location: Unit 5, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Classification: Air Conditioning & Refrigeration Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A4NW (SE)	509	-	389120 408131
291	**Contemporary Trade Directory Entries** Name: Middleton Car & Commercial Ltd Location: Unit 2, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A3NE (S)	530	-	388882 408098

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
291	**Contemporary Trade Directory Entries** Name: Trelleborg Location: Unit 62, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Classification: Rubber & Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NE (S)	530	-	388882 408098
291	**Contemporary Trade Directory Entries** Name: Proseat Location: Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2SJ Classification: Mould Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A3NE (S)	530	-	388882 408098
292	**Contemporary Trade Directory Entries** Name: Fisher Scientific Orme Technology Location: Stakehill Industrial Estate, Middleton, Manchester, M24 2RH Classification: Scientific Apparatus & Instruments - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A3NE (S)	531	-	388819 408101
293	**Contemporary Trade Directory Entries** Name: Wincanton Logistics Location: Stakehill Ind Est, Middleton, Manchester, Lancashire, M24 2RW Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A3NW (S)	534	-	388672 408132
293	**Contemporary Trade Directory Entries** Name: Wincanton Group Location: Unit 30, Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, Lancashire, M24 2SJ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NW (S)	583	-	388654 408087
294	**Contemporary Trade Directory Entries** Name: E Flynn & Sons Location: 12, Vicarage Road North, Rochdale, Lancashire, OL11 2TE Classification: Coal & Smokeless Fuel Merchants & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15NW (N)	569	-	388544 410225
295	**Contemporary Trade Directory Entries** Name: A & C Motor Spares Location: 956, Manchester Road, Rochdale, Lancashire, OL11 2TL Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A15NW (N)	584	-	388423 410163
295	**Contemporary Trade Directory Entries** Name: R Bibby Location: Minor Street, Rochdale, Lancashire, OL11 2TQ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (N)	618	-	388389 410180
296	**Contemporary Trade Directory Entries** Name: Grangebodyshop.Com Location: Unit 1,Finlay Road,Stakehill Ind Est, Middleton, Manchester, Lancashire, M24 2RW Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A4NW (SE)	585	-	389134 408053
296	**Contemporary Trade Directory Entries** Name: G B S Accidents Repairs Location: Unit 1, Stakehill Industrial Estate, Middleton, Manchester, Lancashire, M24 2RW Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A4NW (SE)	585	-	389134 408053
297	**Contemporary Trade Directory Entries** Name: Led Hut Ltd Location: Unit 24-28 Stakehill Industrial Estate, Middleton, Manchester, Greater Manchester, M24 2RW Classification: Lighting Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A3NE (S)	589	-	388992 408049

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	**Contemporary Trade Directory Entries** Name: Comfy Quilts Location: Unit 29 Finlan Road,Stakehill Industrial Estate, Middleton, Manchester, Greater Manchester, M24 2RW Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A3NE (S)	589	-	388992 408049
297	**Contemporary Trade Directory Entries** Name: Carter Brothers Location: Unit 30,Stakehill Industrial Estate, Middleton, Manchester, Greater Manchester, M24 2RW Classification: Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A3NE (S)	589	-	388992 408049
298	**Contemporary Trade Directory Entries** Name: The Mansfield Group Rescue & Recovery Location: Unit 60, Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2SJ Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NE (S)	645	-	388897 407983
298	**Contemporary Trade Directory Entries** Name: The Mansfiled Group Location: Unit 60, Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2SJ Classification: Breakdown and Recovery **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NE (S)	645	-	388897 407983
299	**Contemporary Trade Directory Entries** Name: T & A Upholstery Suppliers Ltd Location: Unit 46-47 Stakehill Industrial Estate,Touchet Hall Road, Middleton, Manchester, Greater Manchester, M24 2FL Classification: Foam Products - Rubber & Plastics **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A3NE (S)	669	-	388780 407967
300	**Contemporary Trade Directory Entries** Name: V & M Racing Products Ltd Location: Unit 43, Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2FL Classification: Motor Cycle & Component Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NW (S)	684	-	388648 407983
300	**Contemporary Trade Directory Entries** Name: Warm Insulations Ltd Location: Unit 49, Stakehill Industrial Estate, Touchet Hall Road, Middleton, MANCHESTER, M24 2FL Classification: Insulation Materials **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NW (S)	692	-	388659 407971
301	**Contemporary Trade Directory Entries** Name: C & C Cars & Commercials Location: 914 Manchester Rd, Rochdale, Lancashire, OL11 2SR Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A15NW (N)	684	-	388398 410270
302	**Contemporary Trade Directory Entries** Name: The Wheel Shop Location: Unit 37, Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2FL Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A3NW (S)	723	-	388551 407978
302	**Contemporary Trade Directory Entries** Name: The Wheel Shop Location: Unit 37 Touchet Hall Road,Stakehill Industrial Estate, Middleton, Manchester, Greater Manchester, M24 2FL Classification: Wheel Manufacturers **Status: Active** Positional Accuracy: Manually positioned to the address or location	A3NW (S)	723	-	388551 407978

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
303	**Contemporary Trade Directory Entries** Name: T G Products Location: Unit 70, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Classification: Firefighting Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NW (S)	764	-	388505 407944
303	**Contemporary Trade Directory Entries** Name: Whitham Mills Engineering Location: Unit 70, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Classification: Waste Processing Machinery **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3NW (S)	764	-	388505 407944
304	**Contemporary Trade Directory Entries** Name: D Turner & Son Location: UNIT 63, STAKEHILL INDUSTRIAL ESTATE, MIDDLETON, MANCHESTER, M24 2RW Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3SE (S)	765	-	388946 407866
305	**Contemporary Trade Directory Entries** Name: Hays Crate Services Location: Stakehill Ind Est,Touchet Hall Rd, Middleton, Manchester, M24 2SJ Classification: Pallets, Crates & Packing Cases **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A3SW (S)	806	-	388644 407856
306	**Contemporary Trade Directory Entries** Name: Dunlop Tyres Location: Unit 69, Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2SJ Classification: Tyre Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3SW (S)	890	-	388562 407794
307	**Contemporary Trade Directory Entries** Name: Exel Location: Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2FL Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A4SW (S)	908	-	389159 407728
307	**Contemporary Trade Directory Entries** Name: D H L Exel Supply Chain Ltd Location: Unit 66, Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, Lancashire, M24 2FL Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A4SW (S)	908	-	389159 407728
307	**Contemporary Trade Directory Entries** Name: Thomas Hardie Commercials Location: Unit 66, Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2FL Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A4SW (S)	908	-	389159 407728
308	**Contemporary Trade Directory Entries** Name: Christian Salvesen Ltd Location: Stakehill Industrial Estate, Touchet Hall Road, Middleton, MANCHESTER, M24 2GZ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A3SE (S)	970	-	389039 407671
309	**Fuel Station Entries** Name: Hopwood Self Service Station Location: Rochdale Road , Slattocks , Manchester, Greater Manchester, M24 2RA Brand: Bp Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	100	-	388455 408675
310	**Points of Interest - Commercial Services** Name: T Allen & Co Location: Thornham Lane, Middleton, Manchester, M24 2SH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NW (NE)	0	10	389368 409424

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
311	**Points of Interest - Commercial Services** Name: M K F Tail Lift Repair Services Location: 1 Croydon Avenue, Rochdale, OL11 2YQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11NE (N)	29	10	388781 409572
312	**Points of Interest - Commercial Services** Name: Hopwood Self Service Station Location: Rochdale Road, Middleton, Manchester, M24 2RA Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NW (SW)	112	10	388452 408652
312	**Points of Interest - Commercial Services** Name: Car Wash Location: Rochdale Road, Middleton, Manchester, M24 2RA Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NW (SW)	112	10	388452 408652
313	**Points of Interest - Commercial Services** Name: J & L Spares Export Ltd Location: Trows Mill, Trows Lane, Rochdale, OL11 2UF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A16NW (N)	132	10	389095 409972
313	**Points of Interest - Commercial Services** Name: L J Autos Location: Grange Mill, Trows Lane, Rochdale, OL11 2UE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A16NW (N)	159	10	389078 409996
313	**Points of Interest - Commercial Services** Name: Castleton Motor Bodies Location: Grange Mill Trows Lane, Castlton Rochdale Ol112uf, Rochdale, OL11 2UF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A16NW (N)	163	10	389080 410001
314	**Points of Interest - Commercial Services** Name: S D L Location: Unit 7, Bentley Avenue, Middleton, Manchester, M24 2GP Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SE (S)	292	10	388917 408338
315	**Points of Interest - Commercial Services** Name: A F Windscreens Location: 1138 Thorsby House, Manchester Road, Rochdale, OL11 2XX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A11NW (N)	293	10	388517 409561
316	**Points of Interest - Commercial Services** Name: Grange Body Shop Location: Trows Farm, Trows Lane, Rochdale, OL11 2UF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A15NE (N)	356	10	388965 410167
317	**Points of Interest - Commercial Services** Name: Pearn E & J Transport Location: 17 Bates Close, Rochdale, OL11 2TU Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A15NW (N)	404	10	388618 410078
318	**Points of Interest - Commercial Services** Name: Lomax Transport Services Location: Trub Farm, Manchester Road, Rochdale, OL11 2XG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A15SW (N)	422	10	388431 409931
318	**Points of Interest - Commercial Services** Name: Lomax Transport Services Location: Trub Farm, Manchester Road, Rochdale, OL11 2XG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A15NW (N)	454	10	388413 409961

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
319	**Points of Interest - Commercial Services** Name: Night Freight (GB) Ltd Location: Unit 34, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SW (S)	442	10	388523 408265
319	**Points of Interest - Commercial Services** Name: Nightfreight (GB) Ltd Location: Unit 34, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SW (S)	442	10	388523 408265
320	**Points of Interest - Commercial Services** Name: P & H Contract Services Ltd Location: Units 3-5, Stakehill Industrial Estate, Finlan Road, Middleton, M24 2RW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A4NW (SE)	502	10	389129 408137
320	**Points of Interest - Commercial Services** Name: Middleton Car & Commercial Ltd Location: Unit 2 Stakehill Industrial Estate, Finlan Road, Middleton, M24 2RW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A4NW (SE)	574	10	389143 408063
320	**Points of Interest - Commercial Services** Name: Grangebodyshop.Com Location: Unit 1, Finlan Rd, Stakehill Ind Est, Middleton, Manchester, Lancashire, M24 2RW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A4NW (SE)	585	10	389134 408053
321	**Points of Interest - Commercial Services** Name: Exel Logistics Ltd Location: Unit 66 Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2FL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3NE (S)	581	10	388959 408052
321	**Points of Interest - Commercial Services** Name: Comfy Quilts Location: Unit 29, Stakehill Industrial Estate, Finlan Road, Middleton, M24 2RW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3NE (S)	590	10	388991 408048
322	**Points of Interest - Commercial Services** Name: Wincanton Group Location: Unit 30 Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2SJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3NW (S)	583	10	388654 408087
322	**Points of Interest - Commercial Services** Name: Wincanton Logistics Ltd Location: Unit 30 Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2SJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3NW (S)	583	10	388654 408087
322	**Points of Interest - Commercial Services** Name: Wincanton Group Ltd Location: Unit 30 Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2SJ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3NW (S)	583	10	388654 408087
323	**Points of Interest - Commercial Services** Name: A & C Motor Spares Location: 956 Manchester Road, Rochdale, OL11 2TL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A15NW (N)	584	10	388423 410163

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
323	**Points of Interest - Commercial Services** Name: A & C Motor Spares Location: 956 Manchester Road, Rochdale, OL11 2TL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A15NW (N)	584	10	388423 410163
324	**Points of Interest - Commercial Services** Name: D S V Road Ltd Location: Unit 46/47 Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2FL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3NW (S)	670	10	388669 407990
325	**Points of Interest - Commercial Services** Name: D Turner & Son Location: Unit 63, Stakehill Industrial Estate, Middleton, Manchester, M24 2RW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3SE (S)	765	10	388946 407866
326	**Points of Interest - Commercial Services** Name: S S L International Plc Location: Unit 78, Stakehill Industrial Estate, Middleton, Manchester, Greater Manchester, M24 2RW Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A4SW (SE)	767	10	389328 407858
327	**Points of Interest - Commercial Services** Name: D H L Exel Supply Chain Ltd Location: Unit 66 Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2FL Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A4SW (S)	908	10	389159 407728
327	**Points of Interest - Commercial Services** Name: Thomas Hardie Commercials Location: Unit 66 Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2FL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A4SW (S)	908	10	389159 407728
327	**Points of Interest - Commercial Services** Name: Thomas Hardie Commercials Location: Unit 66 Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2FL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A4SW (S)	908	10	389159 407728
328	**Points of Interest - Commercial Services** Name: P S V Glass & Glazing Location: Unit S2 Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2SJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A4SW (SE)	934	10	389356 407690
329	**Points of Interest - Commercial Services** Name: Christian Salvesen Ltd Location: Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2GZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3SE (S)	970	10	389039 407671
329	**Points of Interest - Commercial Services** Name: Norbert Dentressangle Location: Stakehill Industrial Estate, Touchet Hall Road, Middleton, Manchester, M24 2GZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3SE (S)	970	10	389039 407671

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
330	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SW (E)	0	10	389154 408924
331	**Points of Interest - Manufacturing and Production** Name: Drake Bros Location: Newhey Farm, Chesham Avenue, Rochdale, OL11 2YB Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A11NE (N)	0	10	388838 409385
332	**Points of Interest - Manufacturing and Production** Name: Trows Upper Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A16NW (N)	138	10	389131 409986
332	**Points of Interest - Manufacturing and Production** Name: Trows Upper Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A16NW (N)	143	10	389113 409988
332	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A16NW (N)	174	10	389084 410013
333	**Points of Interest - Manufacturing and Production** Name: Wind Turbines Location: M24 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A12SE (E)	151	10	389629 409175
334	**Points of Interest - Manufacturing and Production** Name: H Dickinson Location: 134 Stakehill Lane, Middleton, Manchester, M24 2RY Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A7SE (SE)	252	10	389050 408401
335	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15NE (N)	309	10	388838 410070
335	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15NE (N)	309	10	388838 410070
335	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15NE (N)	324	10	388850 410091
335	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15NE (N)	324	10	388850 410091
336	**Points of Interest - Manufacturing and Production** Name: Poultry Farm Location: M24 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	321	10	388427 408410

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
337	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	352	10	388450 409796
337	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A15SW (N)	352	10	388450 409796
338	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A6SE (SW)	359	10	388223 408558
339	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7SW (S)	363	10	388709 408302
340	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A3NE (S)	498	10	388835 408133
340	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A3NE (S)	501	10	388840 408129
341	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A4NW (SE)	517	10	389208 408120
342	**Points of Interest - Manufacturing and Production** Name: Works Location: OL10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A10NW (NW)	574	10	388049 409463
343	**Points of Interest - Manufacturing and Production** Name: Tanks Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A3NE (S)	608	10	388882 408020
343	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A3NE (S)	615	10	388883 408013
343	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A3NE (S)	617	10	388881 408011
344	**Points of Interest - Manufacturing and Production** Name: Tanks Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A3NE (S)	670	10	389006 407970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
344	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A3NE (S)	672	10	389013 407969
344	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A3NE (S)	676	10	389005 407963
345	**Points of Interest - Manufacturing and Production** Name: Tank Location: OL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (N)	693	10	388309 410208
345	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14NE (N)	711	10	388353 410270
346	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A3SE (S)	775	10	388821 407856
346	**Points of Interest - Manufacturing and Production** Name: Tanks Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A3SE (S)	780	10	388810 407852
346	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	A3SE (S)	782	10	388821 407849
346	**Points of Interest - Manufacturing and Production** Name: Stakehill Industrial Estate Location: M24 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A3SE (S)	805	10	388806 407827
347	**Points of Interest - Manufacturing and Production** Name: Stokehill Industrial Estate Location: M24 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A3SW (S)	813	10	388490 407896
347	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A3SW (S)	825	10	388492 407884
348	**Points of Interest - Public Infrastructure** Name: BP Service Station Location: Hopwood Service Station, Rochdale Road, Middleton, Manchester, M24 2RA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	100	10	388455 408676
348	**Points of Interest - Public Infrastructure** Name: Hopwood Self Service Station Location: Rochdale Road, Middleton, Manchester, M24 2RA Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	112	10	388452 408652

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
349	**Points of Interest - Public Infrastructure** Name: Sluice Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	144	10	389159 409996
349	**Points of Interest - Public Infrastructure** Name: Sluice Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	155	10	389149 410005
350	**Points of Interest - Public Infrastructure** Name: Sluice Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16NW (N)	171	10	389149 410022
350	**Points of Interest - Public Infrastructure** Name: Sluice Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	218	10	389224 410079
350	**Points of Interest - Public Infrastructure** Name: Sluice Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	221	10	389222 410082
351	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	206	10	389344 410049
351	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	231	10	389393 410084
351	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A16NW (NE)	233	10	389395 410088
352	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A15NE (N)	291	10	388850 410056
352	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A15NE (N)	293	10	388849 410057
353	**Points of Interest - Public Infrastructure** Name: Sluice Location: M24 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (SE)	307	10	389444 408321
354	**Points of Interest - Public Infrastructure** Name: Sluice Location: M24 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SW (SE)	364	10	389406 408260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
354	**Points of Interest - Public Infrastructure** Name: Sluice Location: M24 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A4NW (SE)	397	10	389372 408227
354	**Points of Interest - Public Infrastructure** Name: Sluice Location: M24 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A4NW (SE)	412	10	389315 408216
355	**Points of Interest - Public Infrastructure** Name: Filter Beds Location: M24 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A6NE (SW)	380	10	388185 408601
355	**Points of Interest - Public Infrastructure** Name: Filter Beds Location: M24 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A6NE (SW)	395	10	388173 408590
356	**Points of Interest - Public Infrastructure** Name: Sluice Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (NW)	430	10	388344 409596
356	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (NW)	441	10	388327 409594
356	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NE (NW)	443	10	388325 409595
357	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (N)	465	10	388362 409888
357	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (N)	467	10	388359 409887
358	**Points of Interest - Public Infrastructure** Name: Sewage Works Location: OL10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A10NW (NW)	577	10	388048 409466
359	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NE (NW)	581	10	388289 410002
360	**Points of Interest - Public Infrastructure** Name: Sluices Location: OL10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (NW)	598	10	388040 409491

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
360	**Points of Interest - Public Infrastructure** Name: Sewage Works Location: OL10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A10NW (NW)	621	10	388010 409488
360	**Points of Interest - Public Infrastructure** Name: Sluices Location: OL10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (NW)	675	10	387993 409557
360	**Points of Interest - Public Infrastructure** Name: Sewage Works Location: OL10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A10NW (NW)	685	10	388001 409583
360	**Points of Interest - Public Infrastructure** Name: Sluices Location: OL10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (NW)	690	10	387973 409556
360	**Points of Interest - Public Infrastructure** Name: Sluice Location: OL10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A10NW (NW)	694	10	387979 409571
360	**Points of Interest - Public Infrastructure** Name: Sluices Location: OL10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (NW)	730	10	387979 409626
360	**Points of Interest - Public Infrastructure** Name: Sewage Works Location: OL10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A10NW (NW)	733	10	387939 409582
361	**Points of Interest - Public Infrastructure** Name: Castleton South Junction Location: OL11 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	624	10	388176 409808
361	**Points of Interest - Public Infrastructure** Name: Weirs Location: OL10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	692	10	388103 409772
361	**Points of Interest - Public Infrastructure** Name: Weirs Location: OL10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (NW)	693	10	388102 409775
362	**Points of Interest - Public Infrastructure** Name: Sewage Works Location: OL10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14SE (NW)	639	10	388082 409618
362	**Points of Interest - Public Infrastructure** Name: Sewage Works Location: OL10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A14SE (NW)	640	10	388082 409619

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
363	**Points of Interest - Public Infrastructure** Name: Weir Location: M24 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A5NE (W)	951	10	387587 408691
363	**Points of Interest - Public Infrastructure** Name: Weir Location: M24 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A5NE (W)	957	10	387581 408690
364	**Points of Interest - Public Infrastructure** Name: Weir Location: M24 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A2SE (S)	997	10	388392 407722
364	**Points of Interest - Public Infrastructure** Name: Weir Location: M24 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A3SW (S)	997	10	388397 407721
365	**Points of Interest - Recreational and Environmental** Name: Play Area Location: OL11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A11NW (N)	153	10	388657 409508

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
366	**Ancient Woodland** Name: Not Supplied Reference: 1415960 Area(m²): 20496.84 Type: Ancient and Semi-Natural Woodland	A6SE (SW)	457	11	388158 408472
367	**Ancient Woodland** Name: Not Supplied Reference: 1415959 Area(m²): 1812.11 Type: Ancient and Semi-Natural Woodland	A6SE (SW)	534	11	388081 408451
368	**Ancient Woodland** Name: Not Supplied Reference: 1415958 Area(m²): 6974.68 Type: Ancient and Semi-Natural Woodland	A2NE (SW)	677	11	388061 408235
369	**Ancient Woodland** Name: Hopwood Clough Reference: 1105590 Area(m²): 26766.48 Type: Ancient and Semi-Natural Woodland	A2NW (SW)	947	11	387866 408052
370	**Areas of Adopted Green Belt** Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan **Status: Adopted** Plan Date: 30th June 2006	A11SW (E)	0	12	388720 408978
371	**Areas of Adopted Green Belt** Authority: Oldham Metropolitan Borough Council Plan Name: Core Strategy And Development Management Policies **Status: Adopted** Plan Date: 9th November 2011	A12NE (NE)	145	6	389728 409533
372	**Local Nature Reserves** Name: Hopwood Woodlands Multiple Area: Y Area (m2): 425907.09 Source: Natural England Designation Date: 1st January 1992	A6SE (SW)	443	11	388135 408534
373	**Nitrate Vulnerable Zones** Name: River Irk (Moston Brook To River Irwell) Nvz Description: Surface Water Source: Environment Agency, Head Office	A11SW (E)	0	4	388720 408978
374	**Sites of Special Scientific Interest** Name: Rochdale Canal Multiple Areas: Y Total Area (m2): 263678.3 Source: Natural England Reference: 2000430 Designation Details: Special Area Of Conservation Designation Date: 16th August 2000 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 16th August 2000 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 16th August 2000 Date Type: Notified	A6NE (SW)	122	11	388375 408780
375	**Special Areas of Conservation** Name: Rochdale Canal Multiple Areas: Y Total Area (m2): 261103.36 Source: Natural England Reference: UK0030266 **Status: Designated**	A6NE (SW)	122	11	388375 408780

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Manchester City Council - Environmental Health Department	October 2017	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2017	Annually
Bury Metropolitan Borough Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	July 22	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	July 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Variable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Variable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	June 2022	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	
Registered Radioactive Substances		
Environment Agency - North West Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - South Area	July 2022	Quarterly
Water Abstractions		
Environment Agency - North West Region	July 2022	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	July 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
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

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	April 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	April 2022	Quarterly
Local Authority Landfill Coverage		
Bury Metropolitan Borough Council	February 2003	Not Applicable
Manchester City Council - Planning Department	February 2003	Not Applicable
Oldham Metropolitan Borough Council	February 2003	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Bury Metropolitan Borough Council	October 2018	
Manchester City Council - Planning Department	October 2018	
Oldham Metropolitan Borough Council	October 2018	
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
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	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Bury Metropolitan Borough Council	February 2016	Variable
Manchester City Council - Planning Department	February 2016	Variable
Oldham Metropolitan Borough Council	February 2016	Variable
Rochdale Metropolitan Borough Council	February 2016	Variable
Planning Hazardous Substance Consents		
Bury Metropolitan Borough Council	February 2016	Variable
Manchester City Council - Planning Department	February 2016	Variable
Oldham Metropolitan Borough Council	February 2016	Variable
Rochdale Metropolitan Borough Council	February 2016	Variable

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

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2022	Quarterly
Points of Interest - Education and Health PointX	June 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2022	Quarterly
Points of Interest - Public Infrastructure PointX	June 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

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

Data Suppliers

A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Rochdale Metropolitan Borough Council - Environmental Health Department** P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01706 864139 Fax: 01706 864185 Website: www.rochdale.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**Oldham Metropolitan Borough Council** Civic Centre, P O Box 55, West Street, Oldham, Lancashire, OL1 1XN	Telephone: 0161 911 3000 Fax: 0161 678 4550 Website: www.oldham.gov.uk
7	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	**Rochdale Metropolitan Borough Council** Municipal Offices, Smith Street, Rochdale, Greater Manchester, OL16 1XG	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
9	**The Coal Authority - Property Searches** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
10	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
11	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
12	**Rochdale Metropolitan Borough Council** PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

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

1:10,000 Raster Mapping

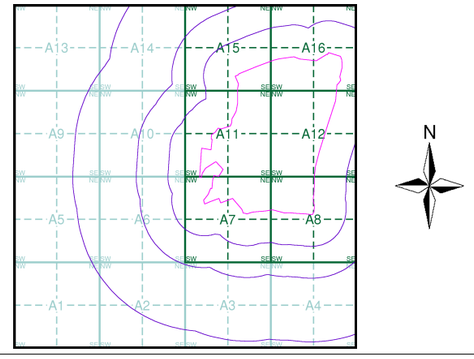
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or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

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848 - 1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894 - 1895	5
Lancashire And Furness	1:10,560	1910	6
Lancashire And Furness	1:10,560	1922 - 1932	7
Lancashire And Furness	1:10,560	1932	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1956	10
Ordnance Survey Plan	1:10,000	1965 - 1968	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1977	13
Ordnance Survey Plan	1:10,000	1984 - 1988	14
Ordnance Survey Plan	1:10,000	1993	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2021	18

Historical Map - Slice A



Order Details

Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 388720, 408980
Slice: A
Site Area (Ha): 95.3
Search Buffer (m): 1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Fireproof Building
- Prominent Fireproof Building
- Non-fireproof Building
- Non-fireproof Building (non-dwelling)
- Factory, mill, and flour mill, with chimneys
- Factory, mill, and flour mill, without chimneys
- Power Station, drawn to scale
- Hydroelectric Power Station
- Radio Station, drawn to scale
- Telephone Station, drawn to scale
- Abandoned Open-pit Mine or Quarry
- Open-pit Salt Mine
- Pit
- Oil Deposit or Well
- Oil Seepage
- Tailings Pile
- Fuel Storage Tanks
- Natural Gas Tank
- Bench Mark
- Drill Hole
- Burial Mound
- Triangulation Point on Burial Mound
- Single-track Railroad
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation

243,8 — Values for prominent elevations

186.0 — Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 — Velocity of the current, width of river bed, depth of river

Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	ъ (–)
Д д (D)	Л л (L)	У у (U)	ы (Y)
Е е (E)	М м (M)	Ф ф (F)	ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Partly Demolished Buildings
- Demolished Buildings
- Built-Up Area with Fireproof Buildings Predominant
- Built-Up Area with Non-Fireproof Buildings Predominant
- Individual Fireproof Building
- Prominent Industrial Building
- Individual Dwelling, Fireproof
- Ruins of an Individual Dwelling
- Factory or Mill Chimney
- Factory or Mill with Chimney
- Factory or Mill without Chimney
- Mine or Open Pit Mine
- Operating Shaft or Mine
- Non-Operating Shaft or Mine
- Salt Mine
- Tailings Pile
- Pit
- Stone Quarry
- Gas Pump or Service Station
- Fuel Storage or Natural Gas Tank
- Oil or Natural Gas Derrick
- Small Hydroelectric Power Station
- Power Station
- Transformer Station
- Cemetery
- Burial Mound (height in metres)
- Triangulation Point on Burial Mound
- Triangulation Point
- Bench Mark
- Bench Mark (monumented)
- Telegraph Office
- Telephone Station
- Radio Station
- Radio Tower
- Airfield or Seaplane Base
- Landing Strip
- Main Highway
- Highway under Construction
- Improved Dirt Road (former truck road)
- Double-track Railroad with First Class Station
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment
- Water Gauge
- Well
- Water Reservoir or Rain Water Pit
- Spring
- Isobath with value
- Heavy (Index) Contour Line
- Contour Line and Value
- Half Contour Line
- Spot Elevation Value
- Coniferous
- Deciduous
- Mixed
- Scrub

Key to Numbers on Mapping

SD80_Manchester

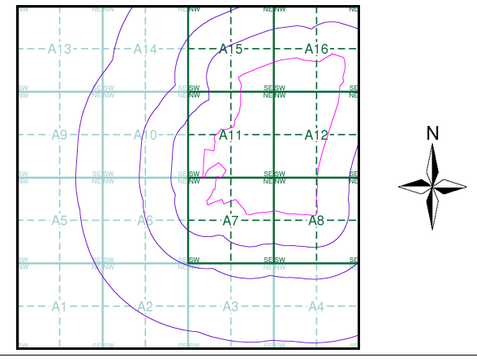
No.	Description
223	Factory (Bleach)

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848 - 1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894 - 1895	5
Lancashire And Furness	1:10,560	1910	6
Lancashire And Furness	1:10,560	1922 - 1932	7
Lancashire And Furness	1:10,560	1932	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1956	10
Ordnance Survey Plan	1:10,000	1965 - 1968	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1977	13
Ordnance Survey Plan	1:10,000	1984 - 1988	14
Ordnance Survey Plan	1:10,000	1993	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2021	18

Russian Map - Slice A



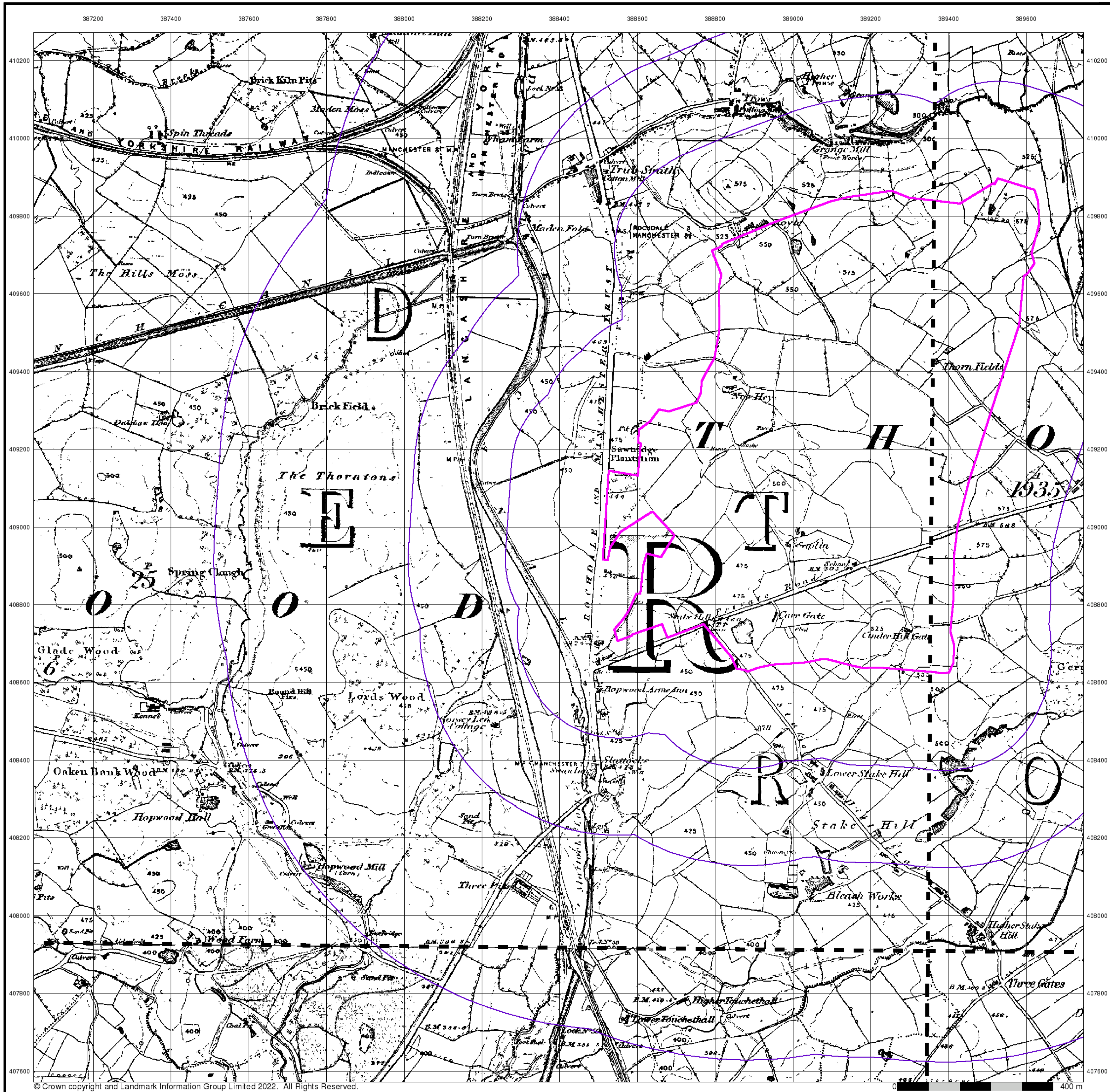
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Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 388720, 408980
Slice: A
Site Area (Ha): 95.3
Search Buffer (m): 1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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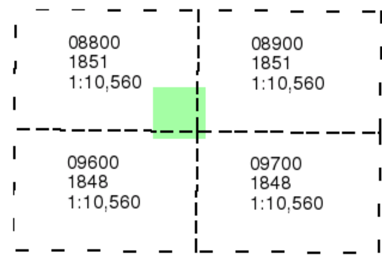
Lancashire And Furness

Published 1848 - 1851

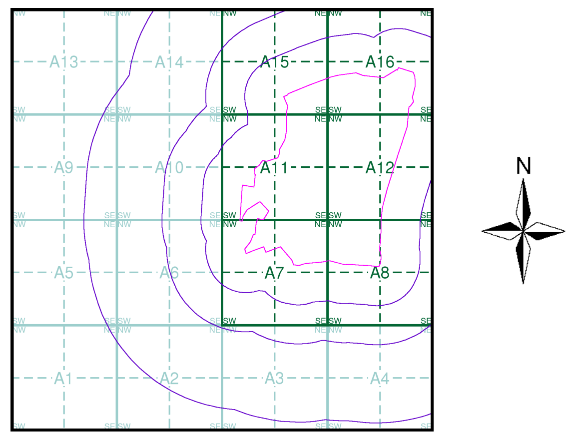
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



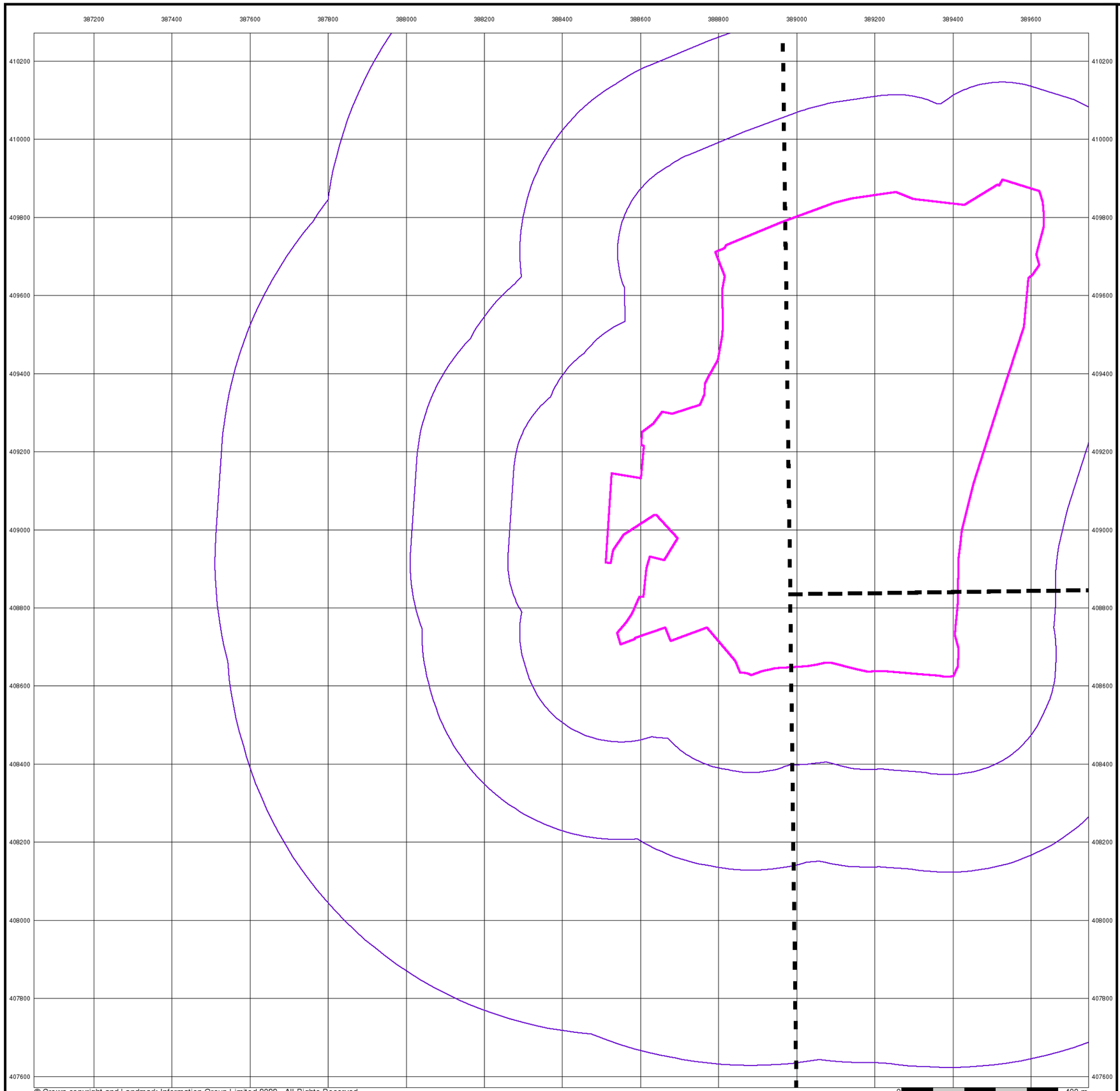
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National Grid Reference: 388720, 408980
Slice: A
Site Area (Ha): 95.3
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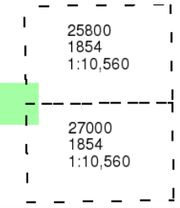
Yorkshire

Published 1854

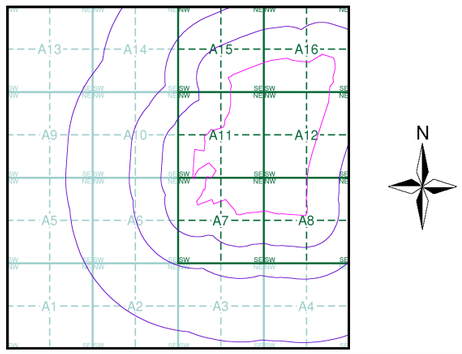
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

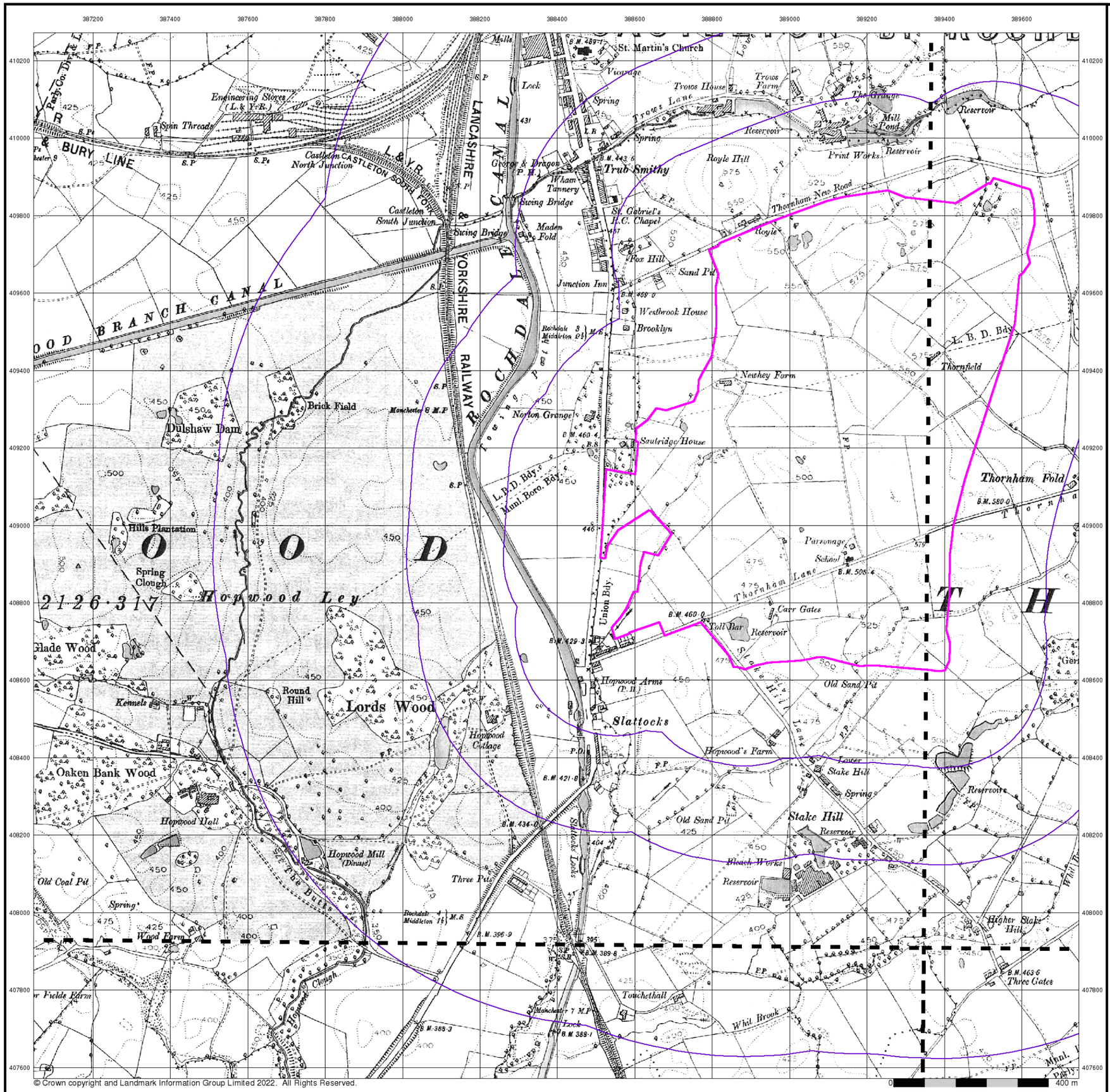
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Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

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Lancashire And Furness

Published 1894 - 1895

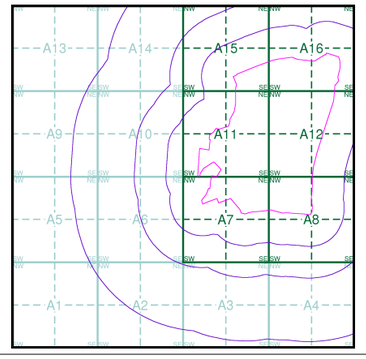
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088SE 1894 1:10,560	089SW 1894 1:10,560
096NE 1894 1:10,560	097NW 1895 1:10,560

Historical Map - Slice A



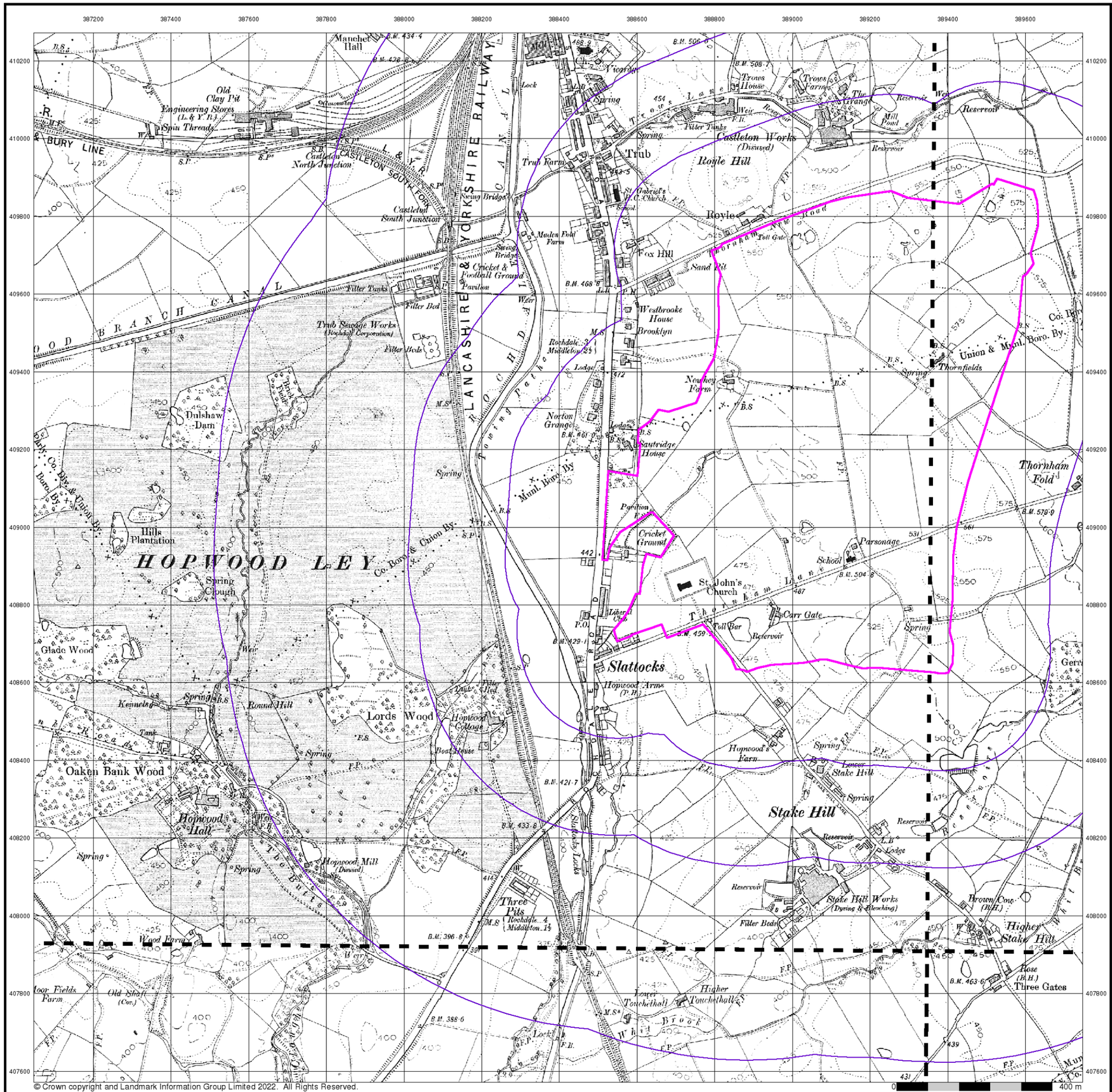
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Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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0 400 m

RSK

Lancashire And Furness

Published 1910

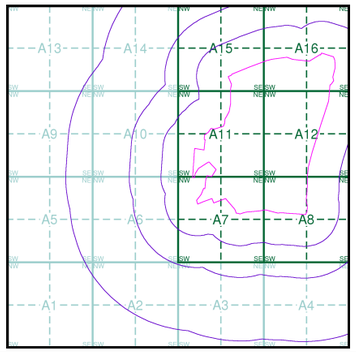
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088SE 1910 1:10,560	089SW 1910 1:10,560
096NE 1910 1:10,560	097NW 1910 1:10,560

Historical Map - Slice A



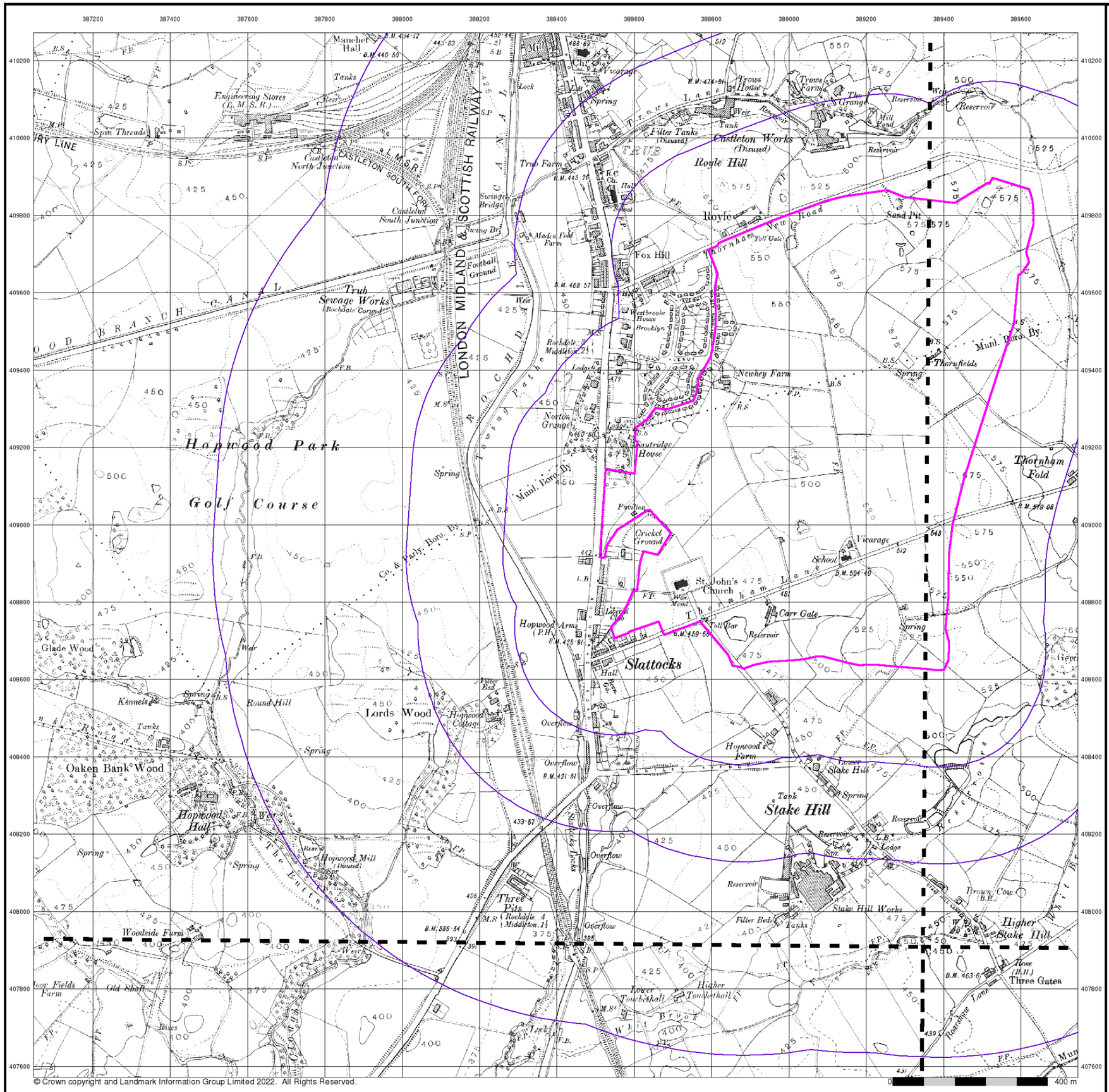
Order Details

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Customer Ref:	322974
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Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

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RSK

Lancashire And Furness

Published 1922 - 1932

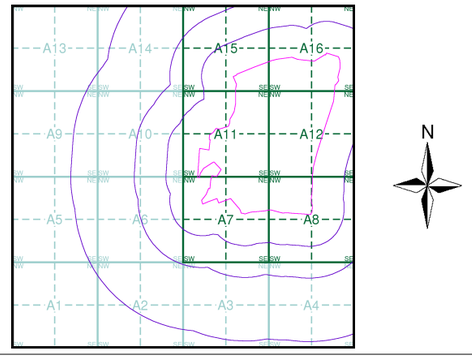
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088SE 1932 1:10,560	089SW 1931 1:10,560
096NE 1923 1:10,560	097NW 1922 1:10,560

Historical Map - Slice A



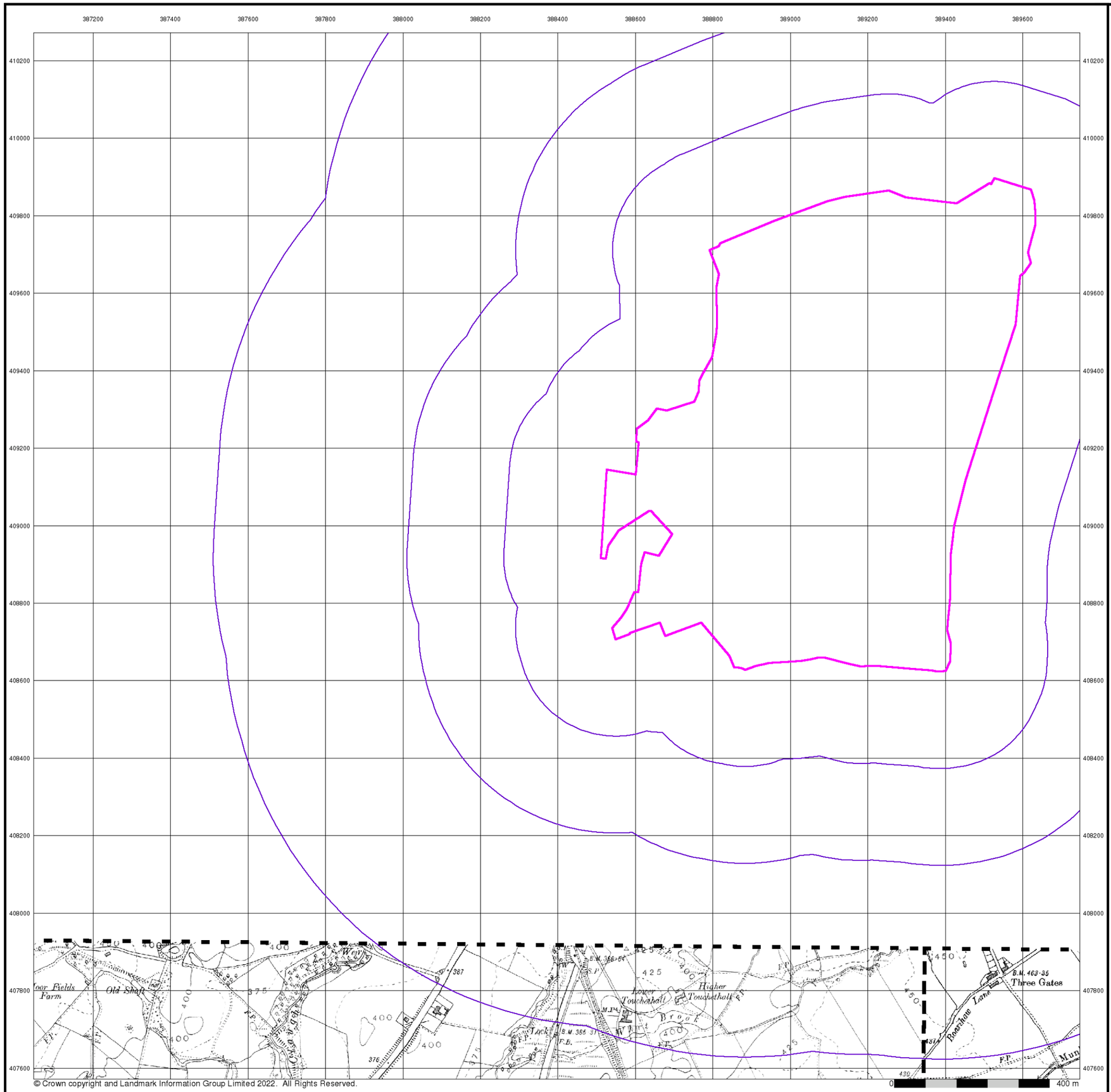
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Site Area (Ha):	95.3
Search Buffer (m):	1000

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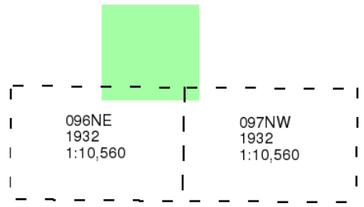
Lancashire And Furness

Published 1932

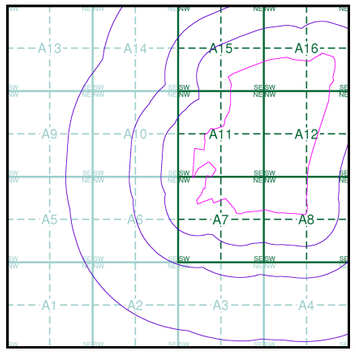
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

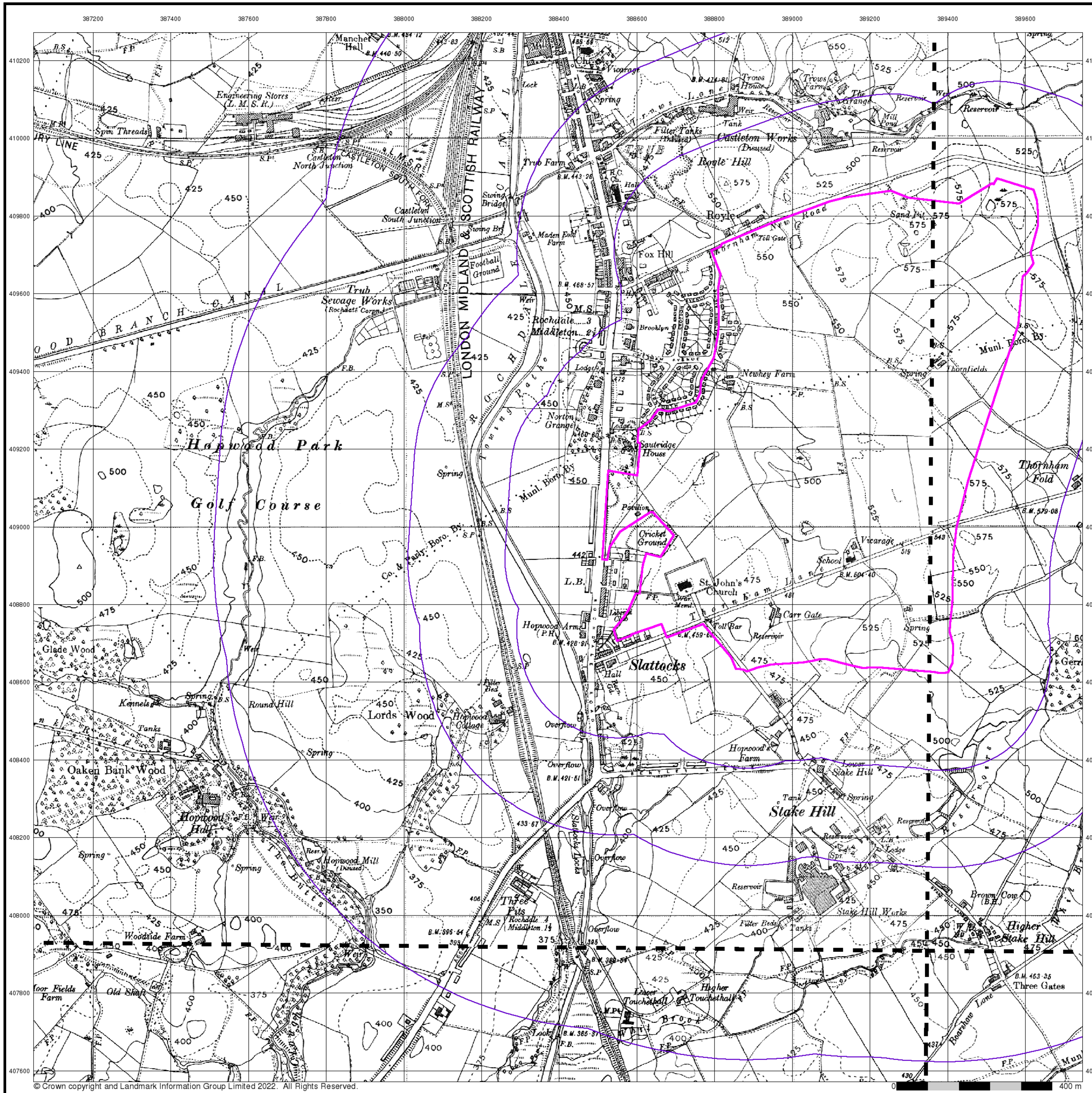
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Site Details

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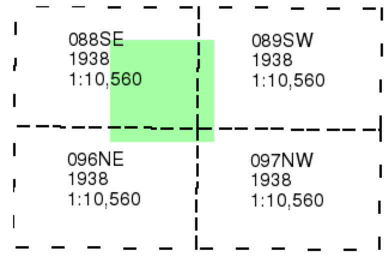
Lancashire And Furness

Published 1938

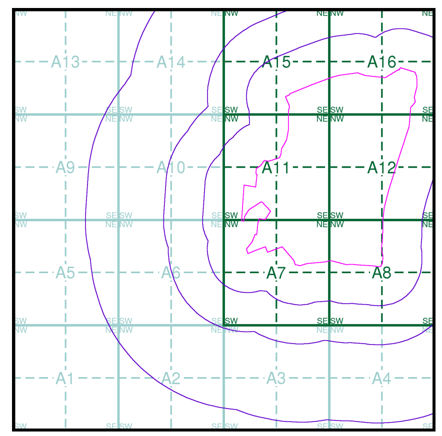
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



N

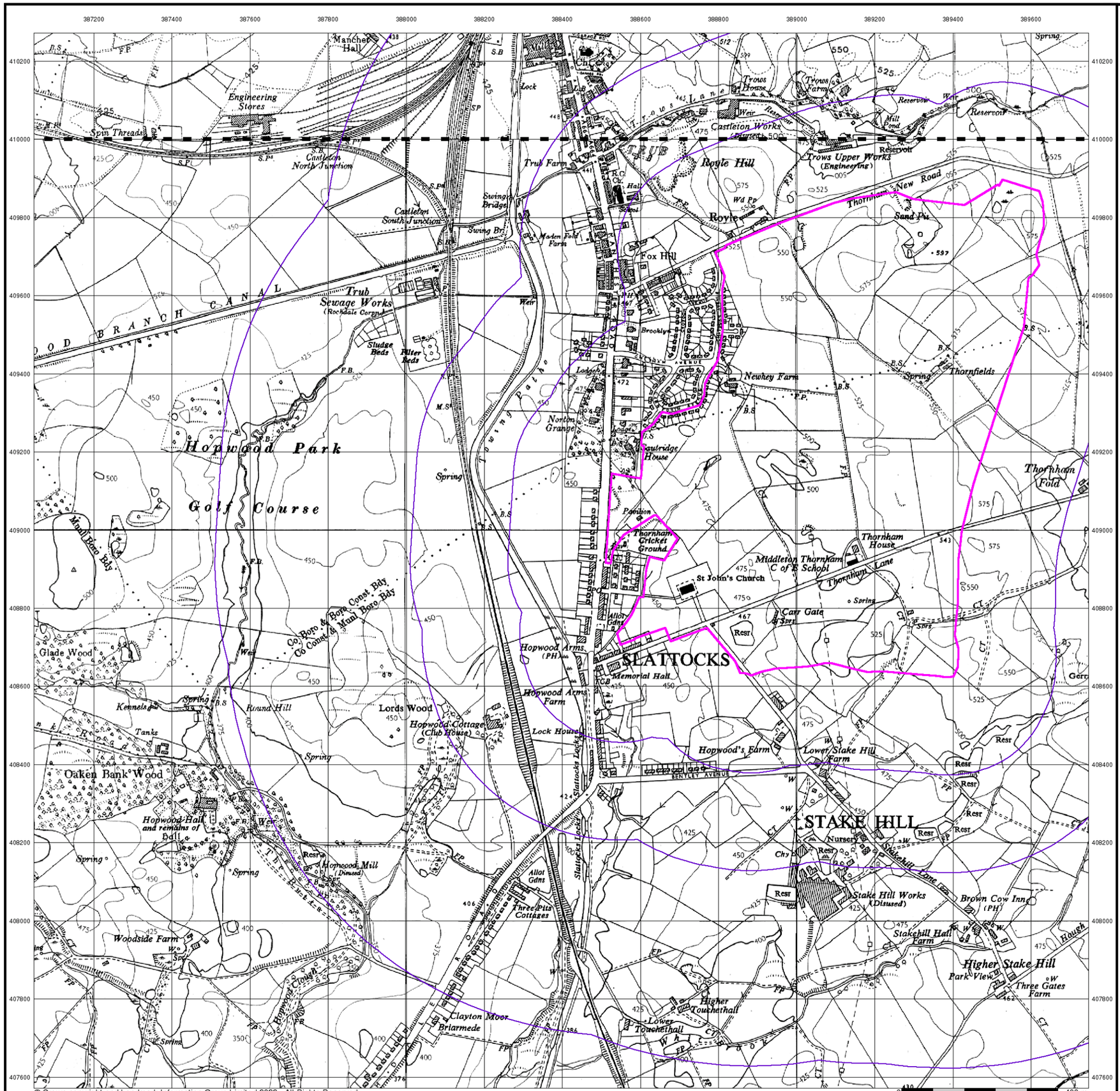
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Site Details

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0 400 m

RSK

Ordnance Survey Plan

Published 1956

Source map scale - 1:10,000

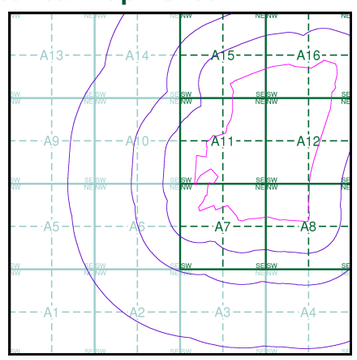
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

SD81SE
1956
1:10,560

SD80NE
1956
1:10,560

Historical Map - Slice A



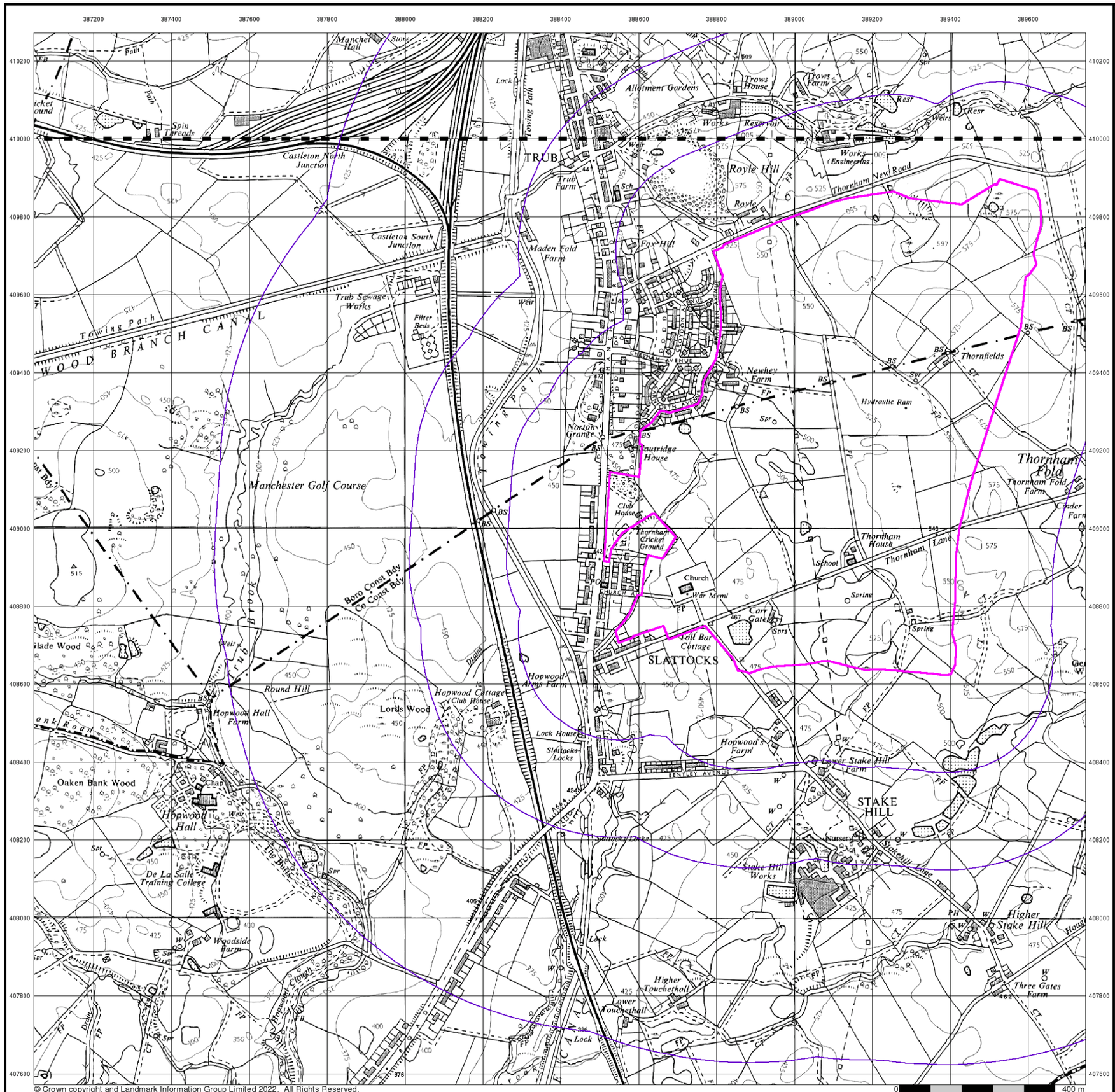
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RSK

Ordnance Survey Plan

Published 1965 - 1968

Source map scale - 1:10,000

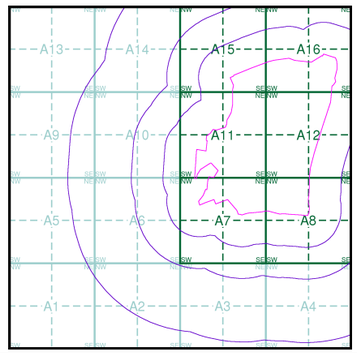
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

SD81SE
1968
1:10,560

SD80NE
1965
1:10,560

Historical Map - Slice A



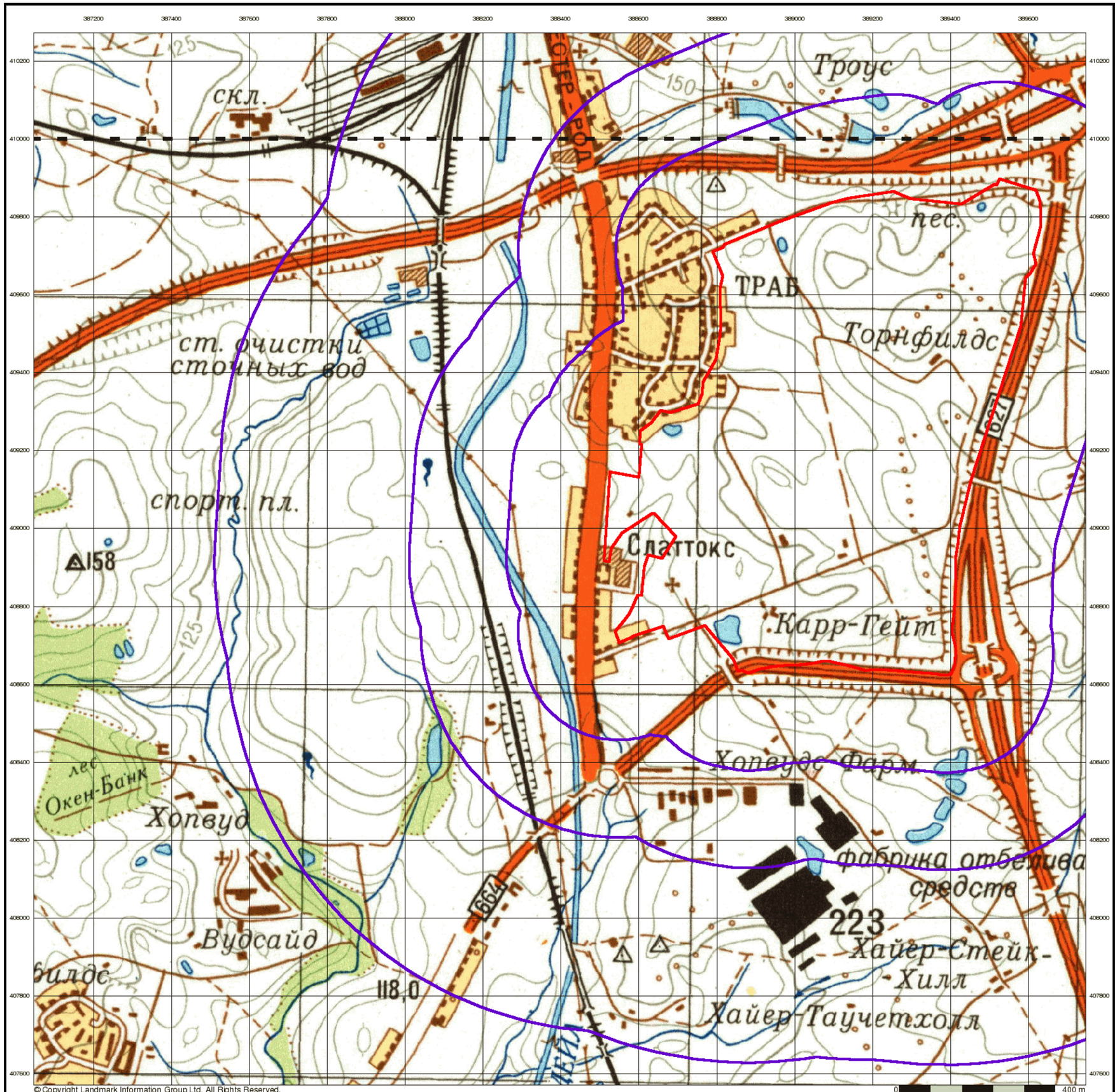
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



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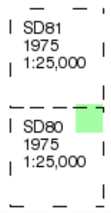
Manchester

Published 1975

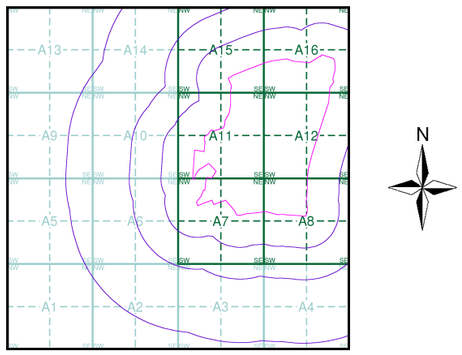
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



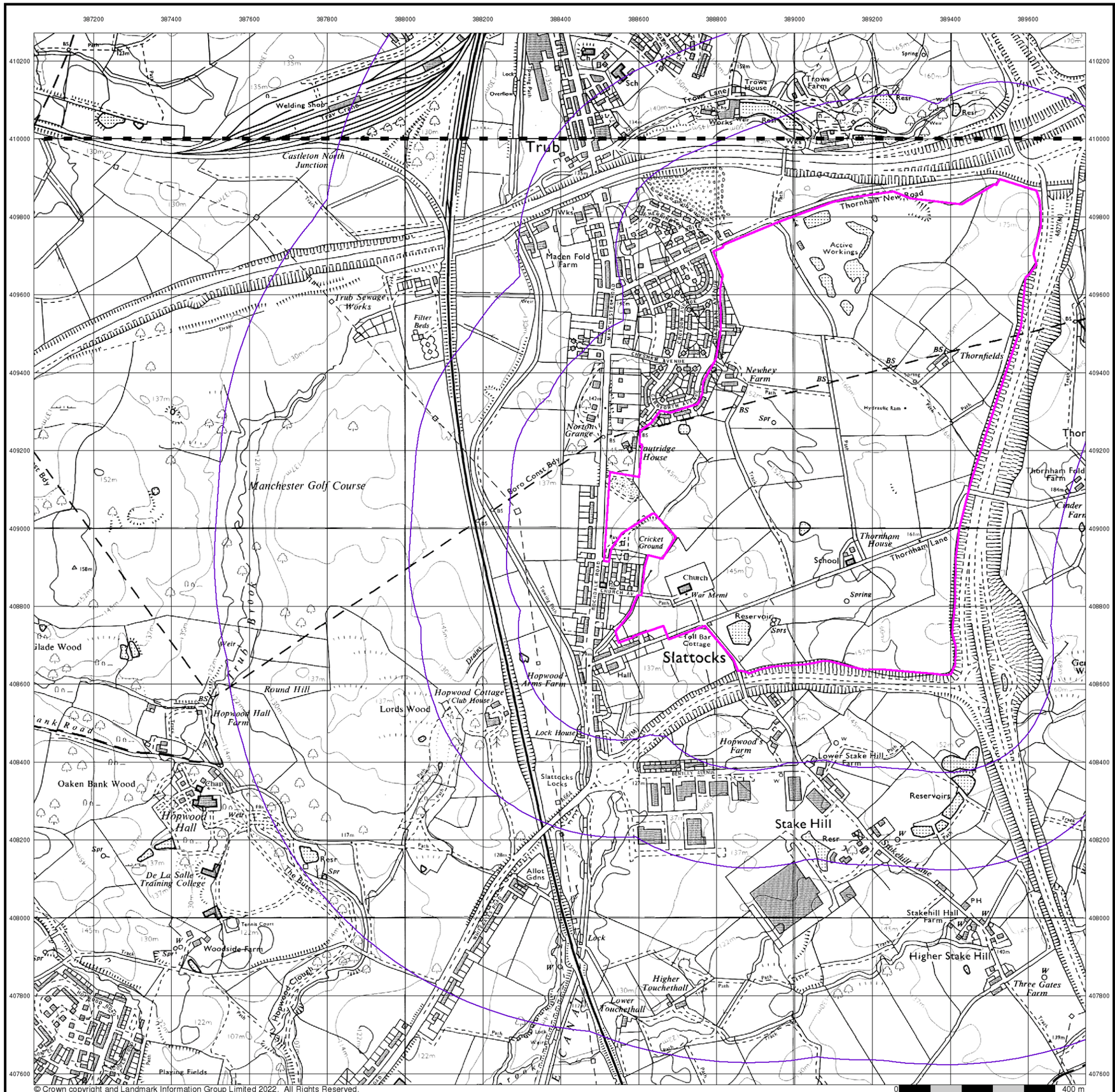
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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RSK

Ordnance Survey Plan

Published 1977

Source map scale - 1:10,000

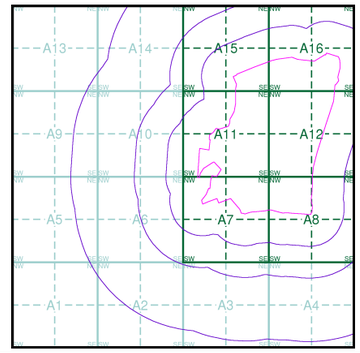
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

SD81SE
1977
1:10,000

SD80NE
1977
1:10,000

Historical Map - Slice A



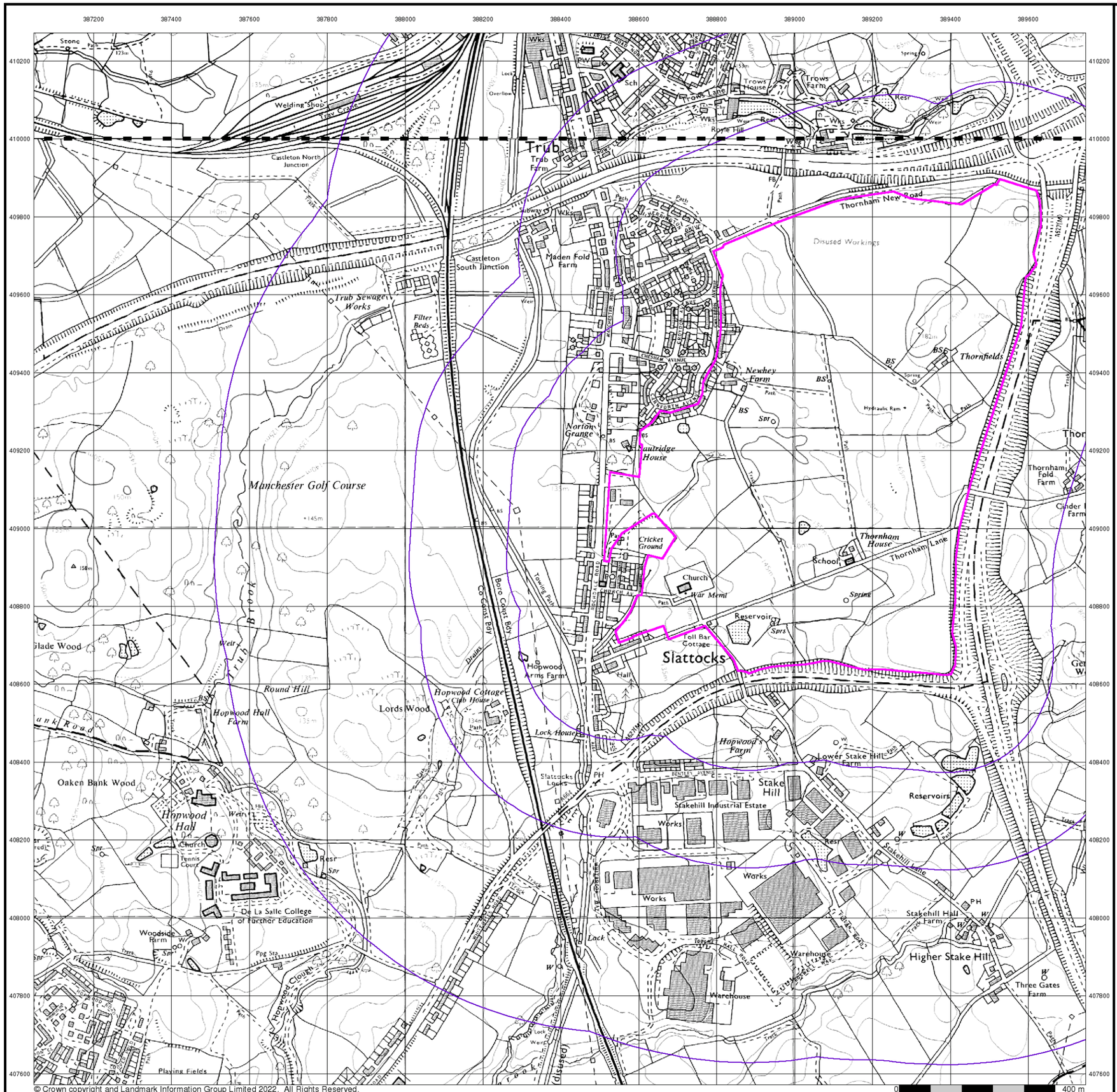
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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Ordnance Survey Plan

Published 1984 - 1988

Source map scale - 1:10,000

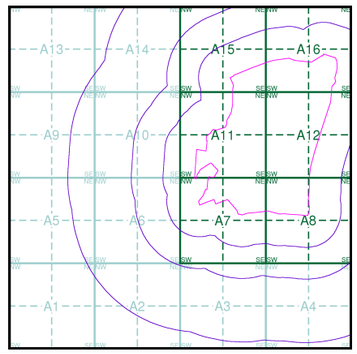
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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)

SD81SE
1988
1:10,000

SD80NE
1984
1:10,000

Historical Map - Slice A



Order Details

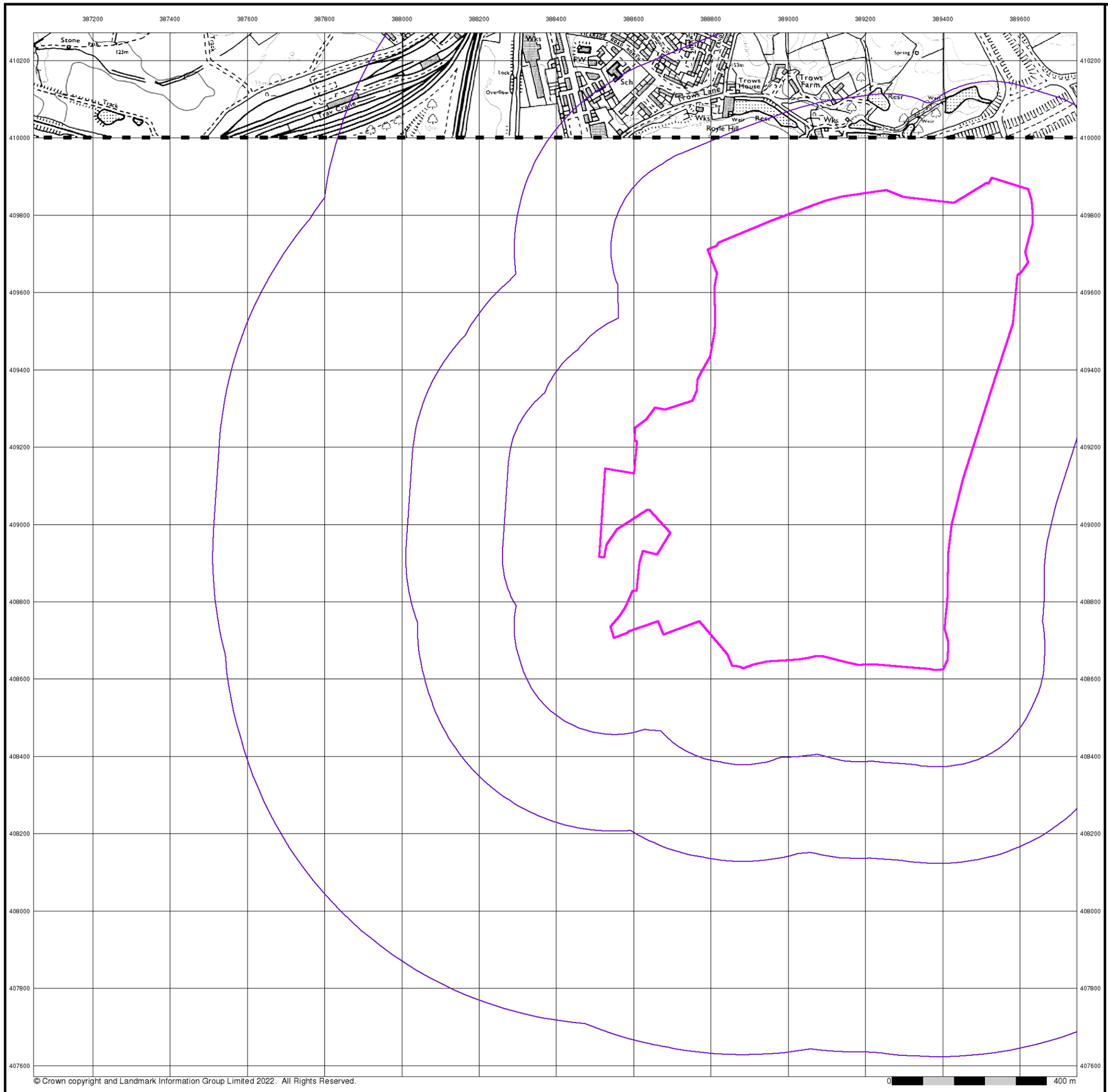
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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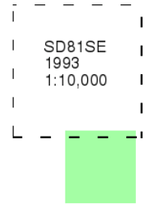
Ordnance Survey Plan

Published 1993

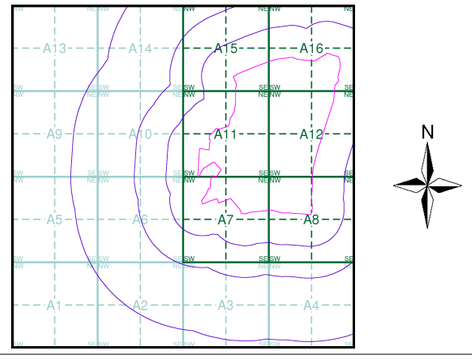
Source map scale - 1:10,000

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

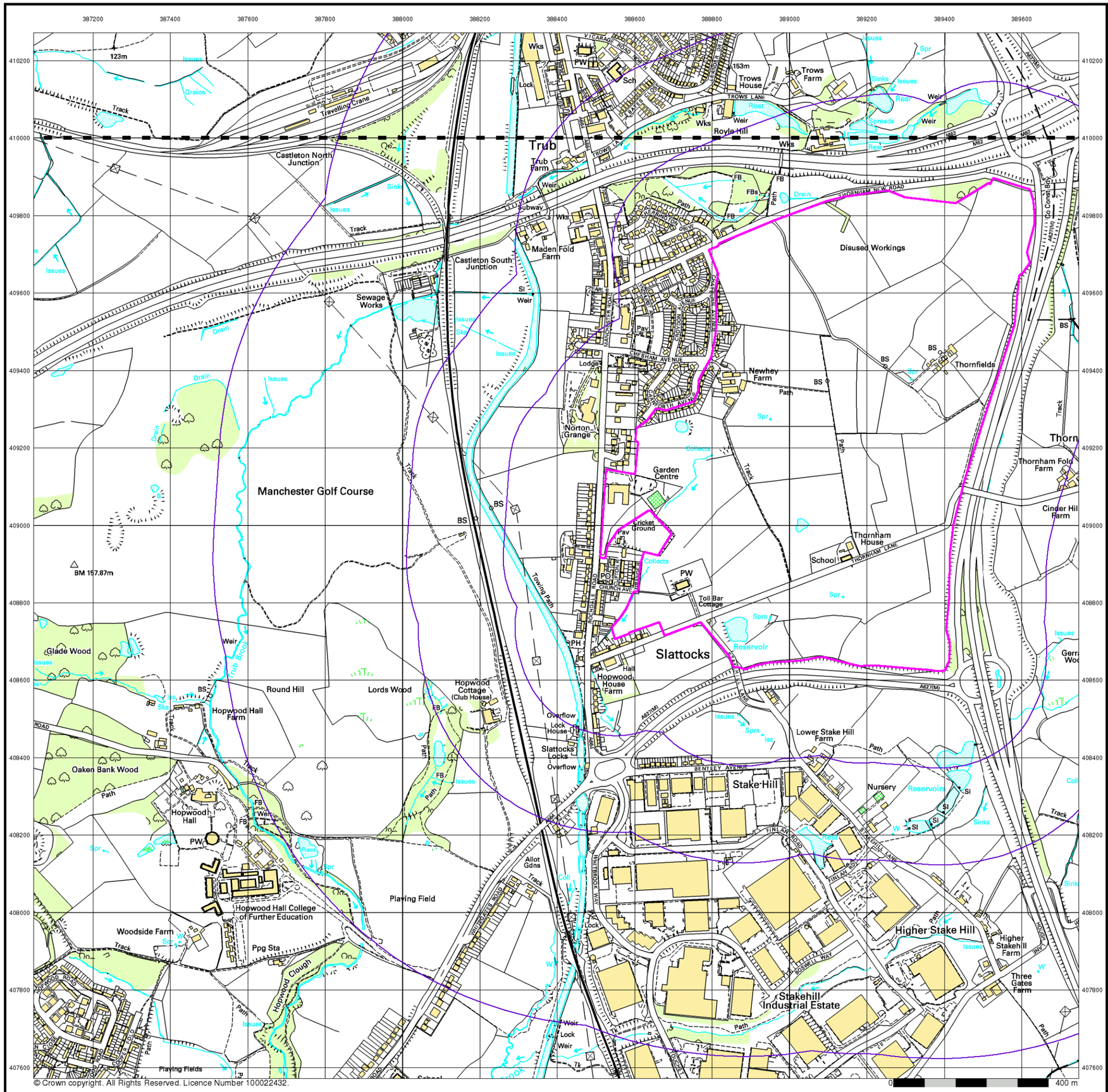
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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10k Raster Mapping

Published 1999

Source map scale - 1:10,000

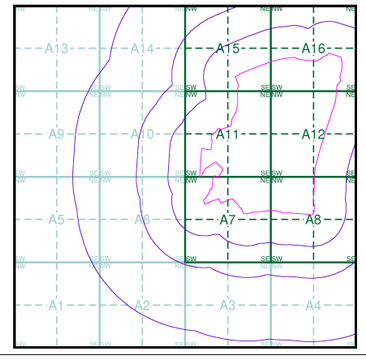
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)

SD81SE
1999
1:10,000

SD80NE
1999
1:10,000

Historical Map - Slice A



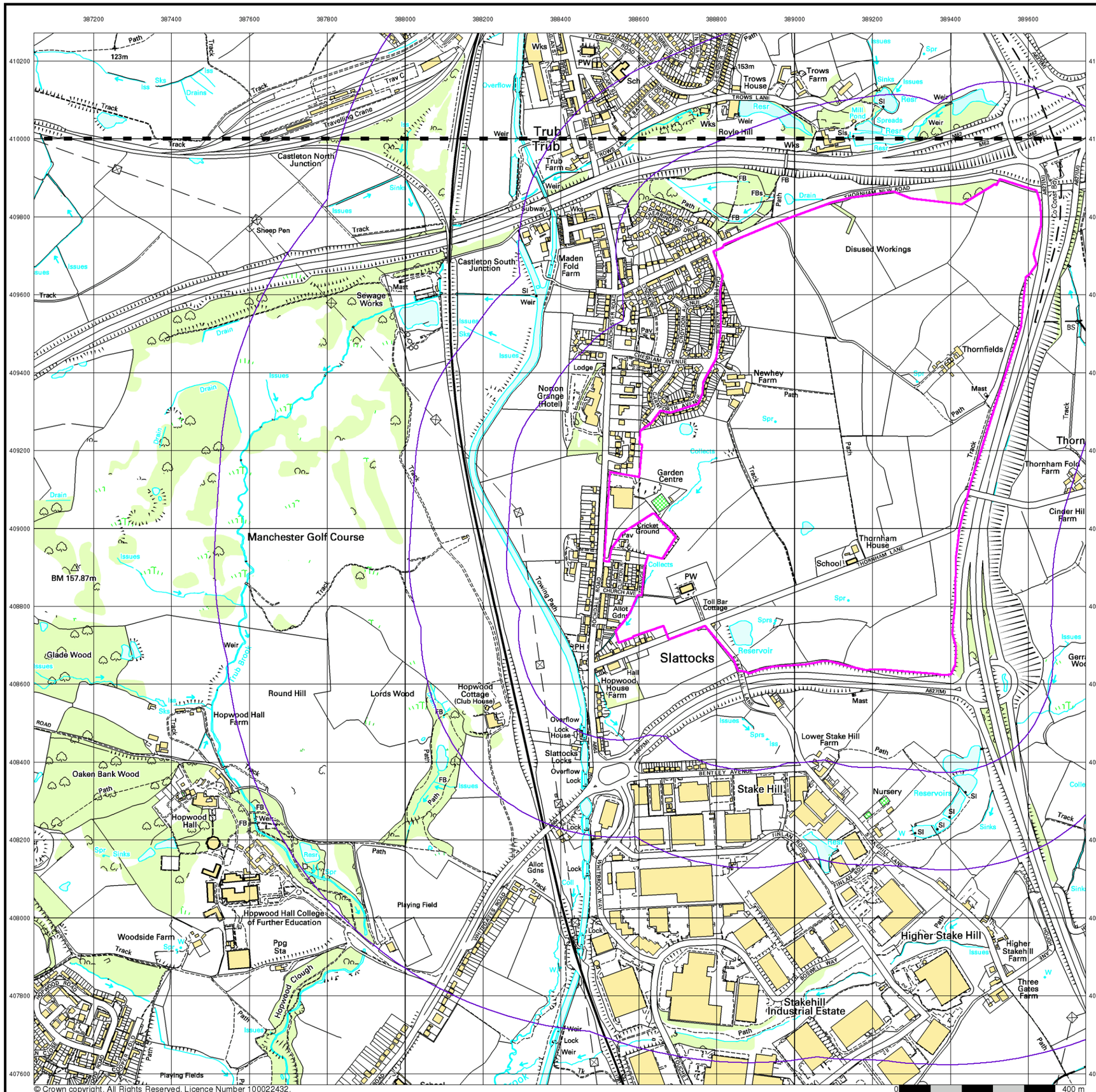
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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RSK

10k Raster Mapping

Published 2006

Source map scale - 1:10,000

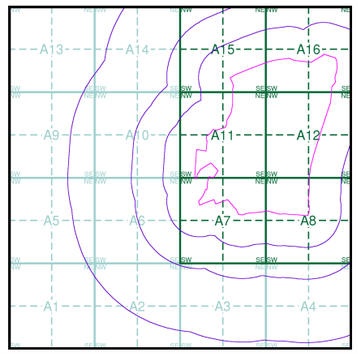
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks 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)

SD81SE
2006
1:10,000

SD80NE
2006
1:10,000

Historical Map - Slice A



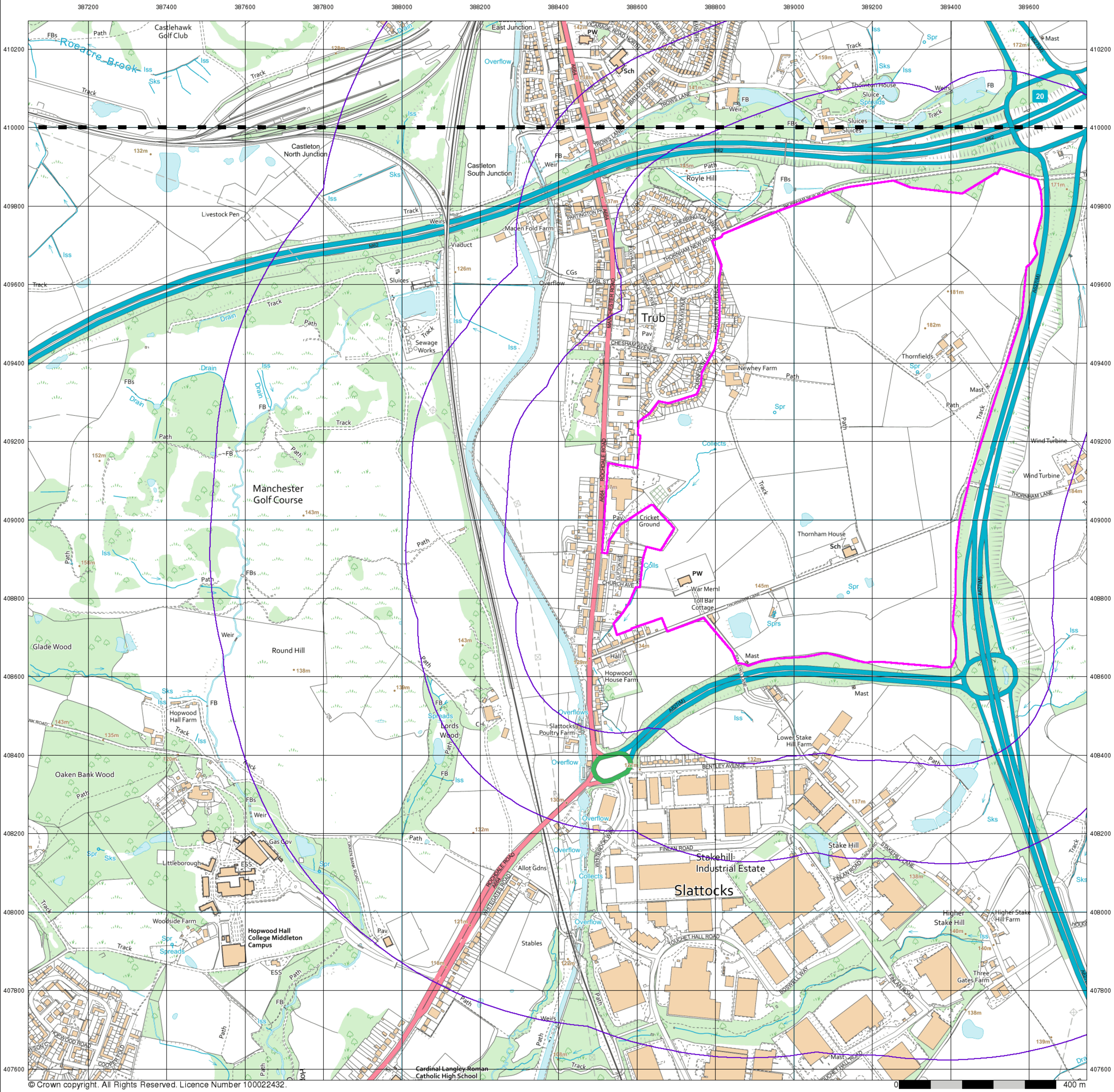
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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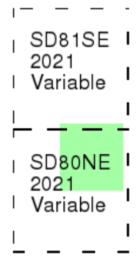
VectorMap Local

Published 2021

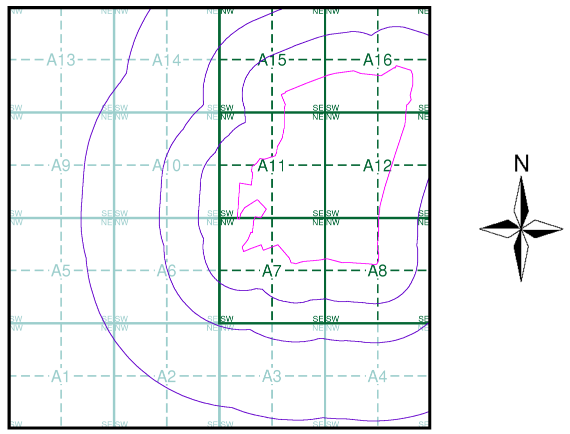
Source map scale - 1:10,000

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

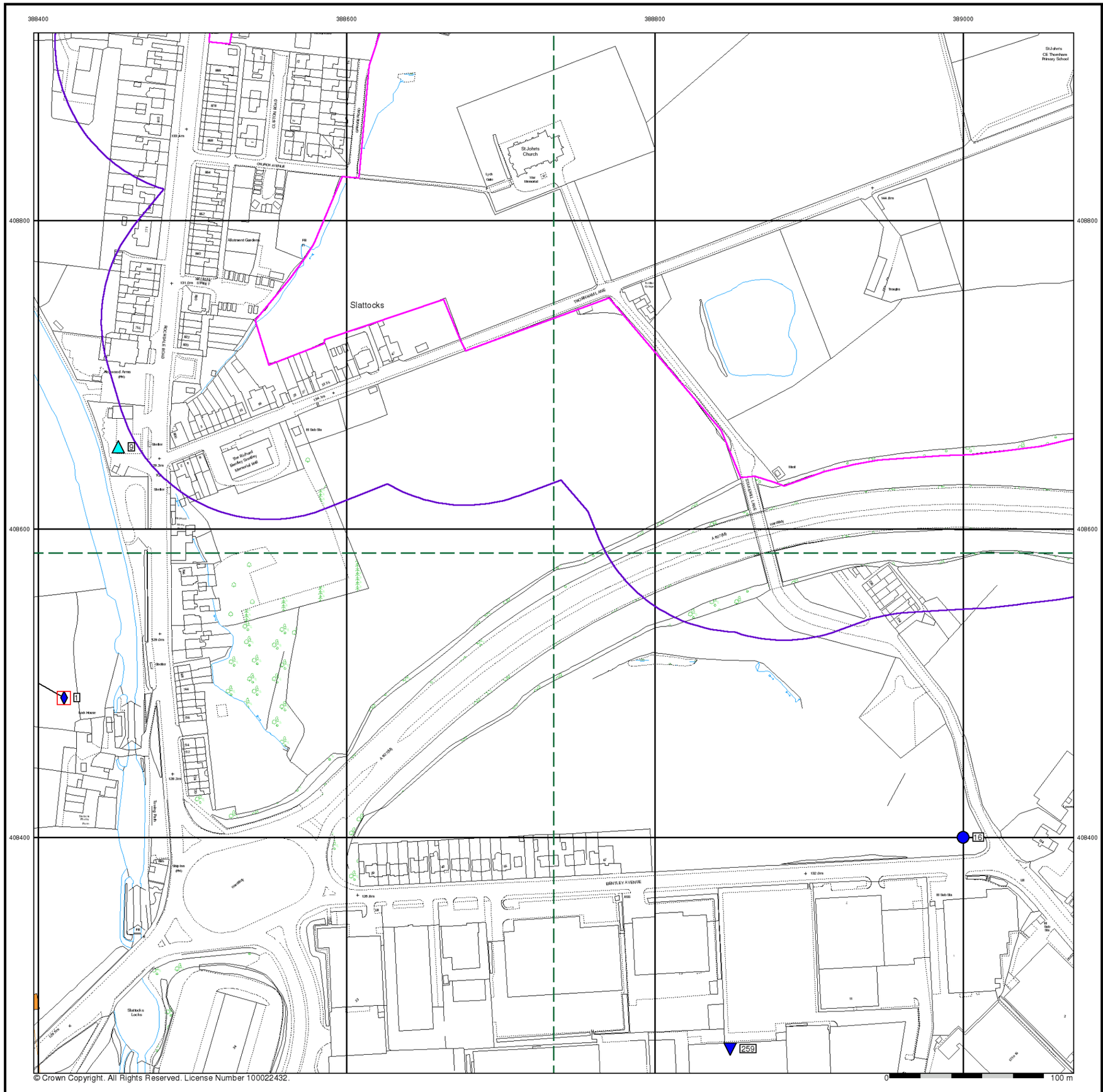


Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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RSK

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location
- 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
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

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

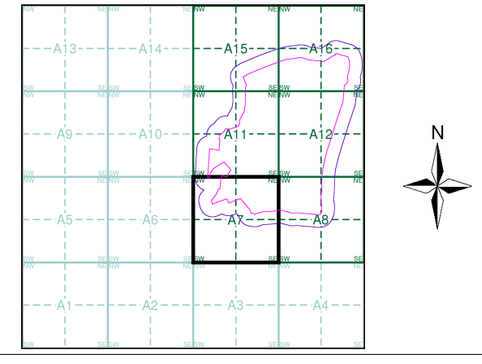
Geological

- 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 A7



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Plot Buffer (m):	100

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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389200 389400 389600

408800 408600 408400

256 221 17

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0 100 m

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
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

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

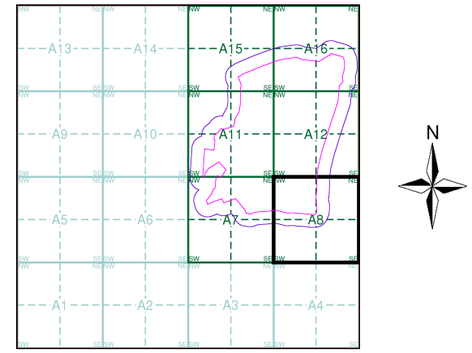
Geological

- 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 A8



Order Details

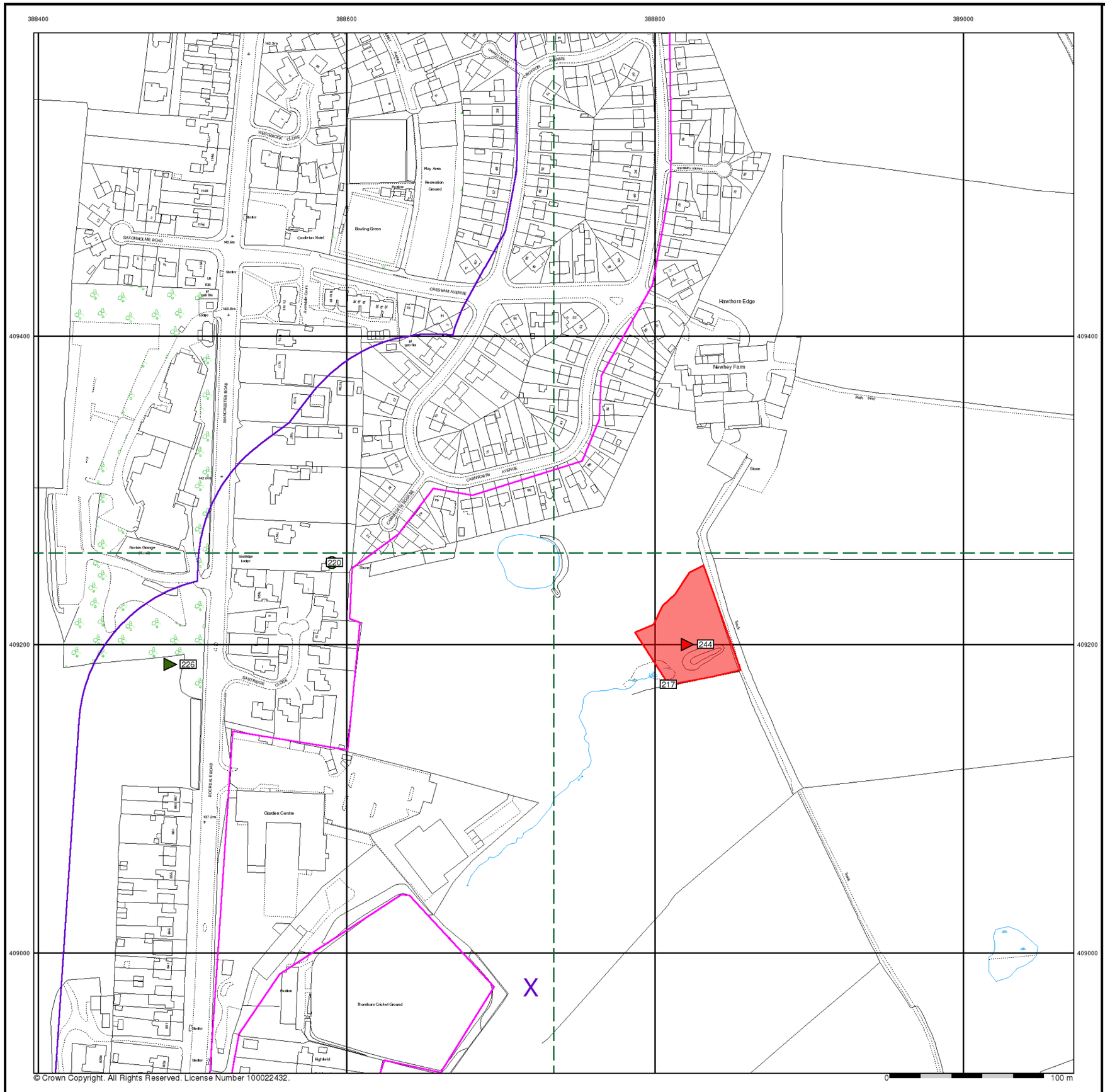
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Plot Buffer (m):	100

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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RSK

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
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

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

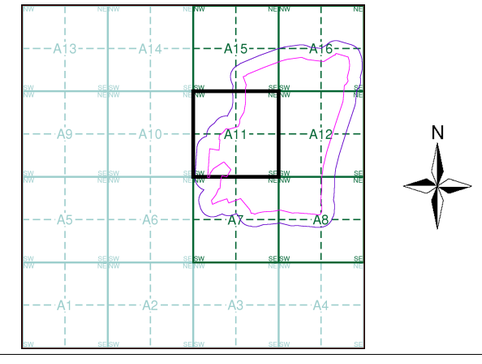
Geological

- 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



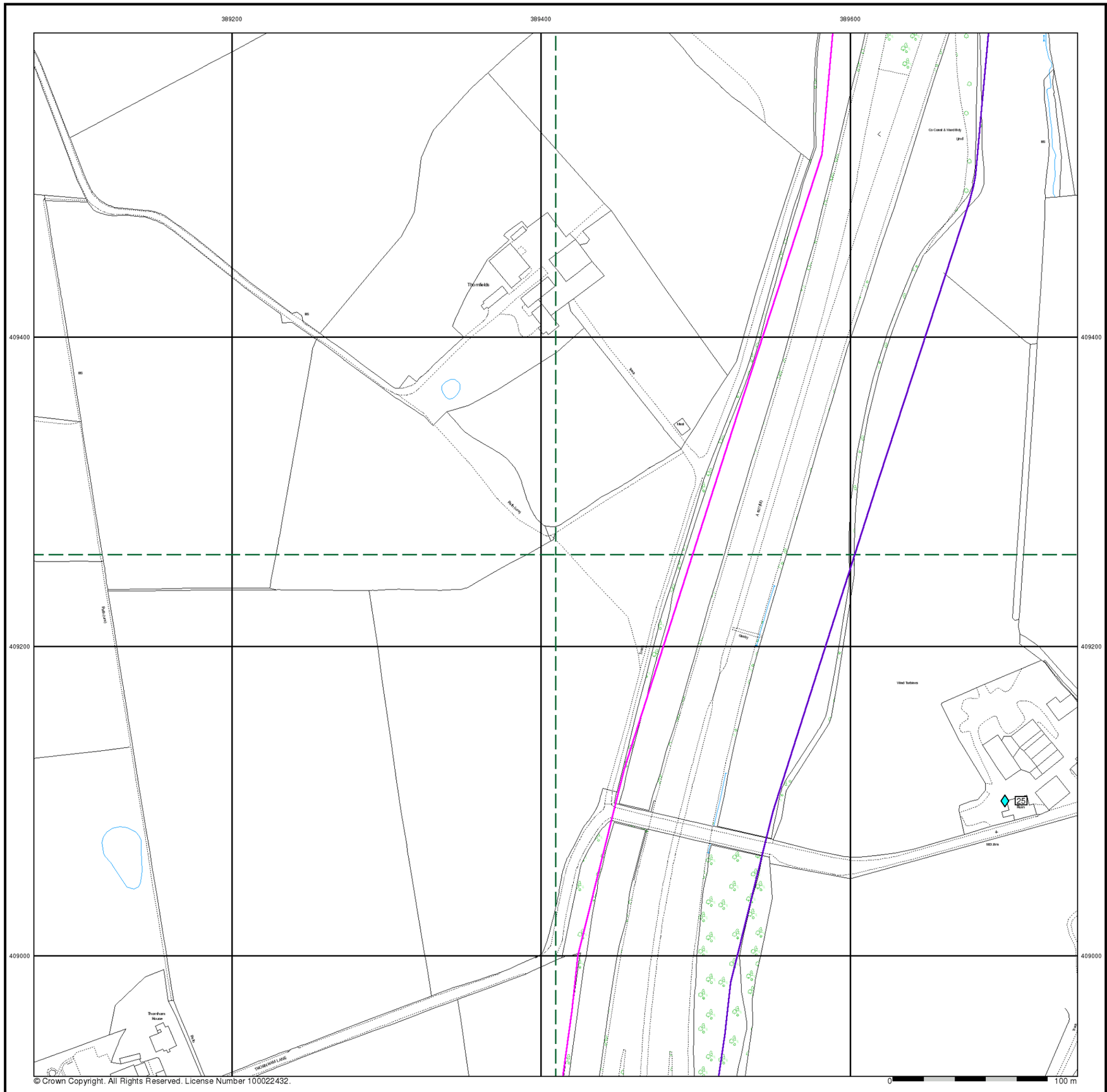
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Plot Buffer (m):	100

Site Details

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RSK

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
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

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

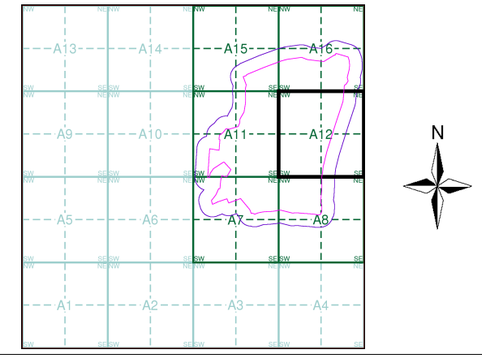
Geological

- 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 A12



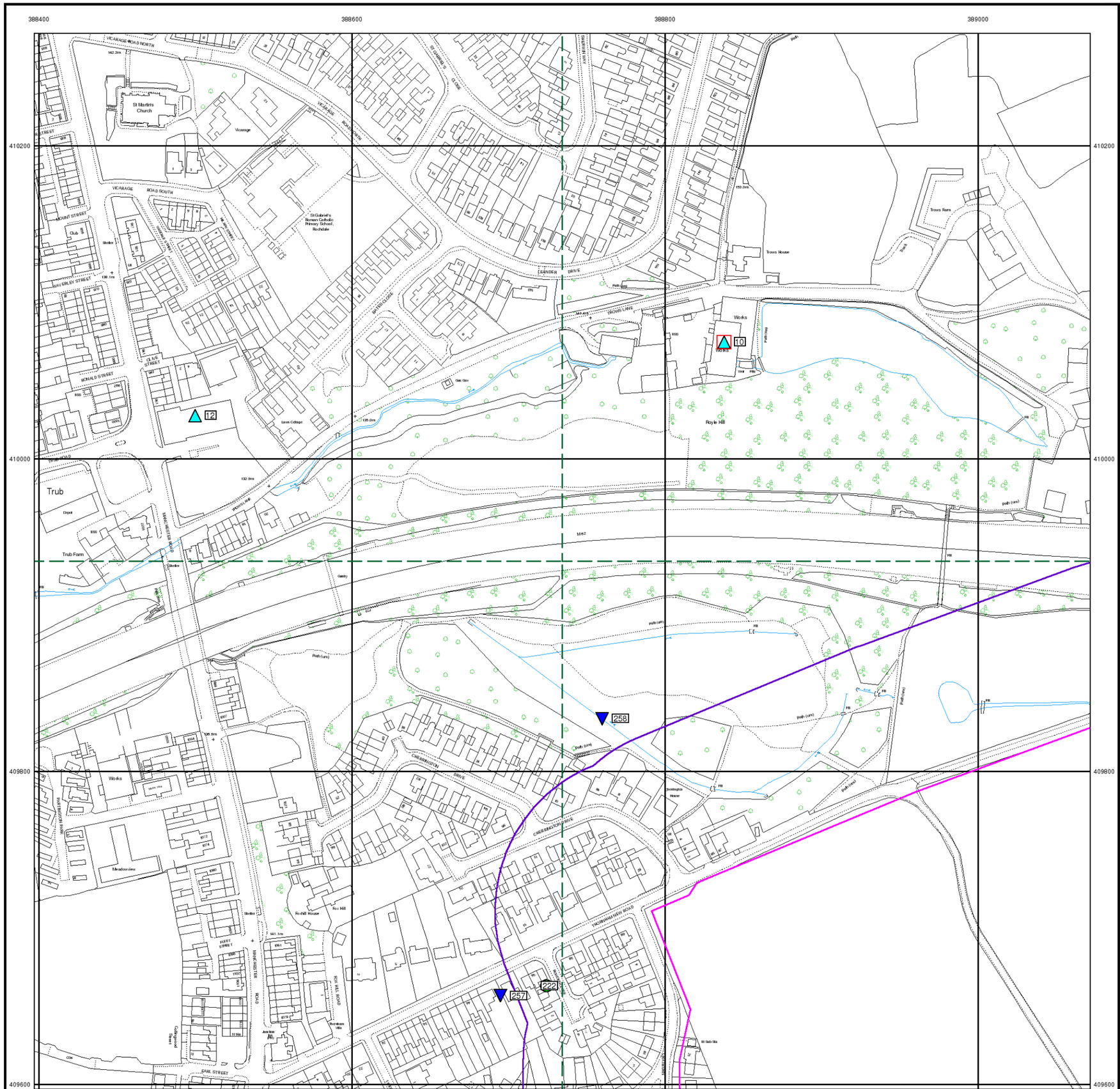
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Plot Buffer (m):	100

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



RSK

General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Map ID
Several of Type at Location | 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
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

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

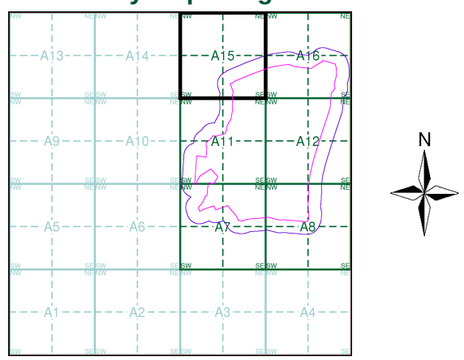
Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
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- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
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- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (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

Site Sensitivity Map - Segment A15



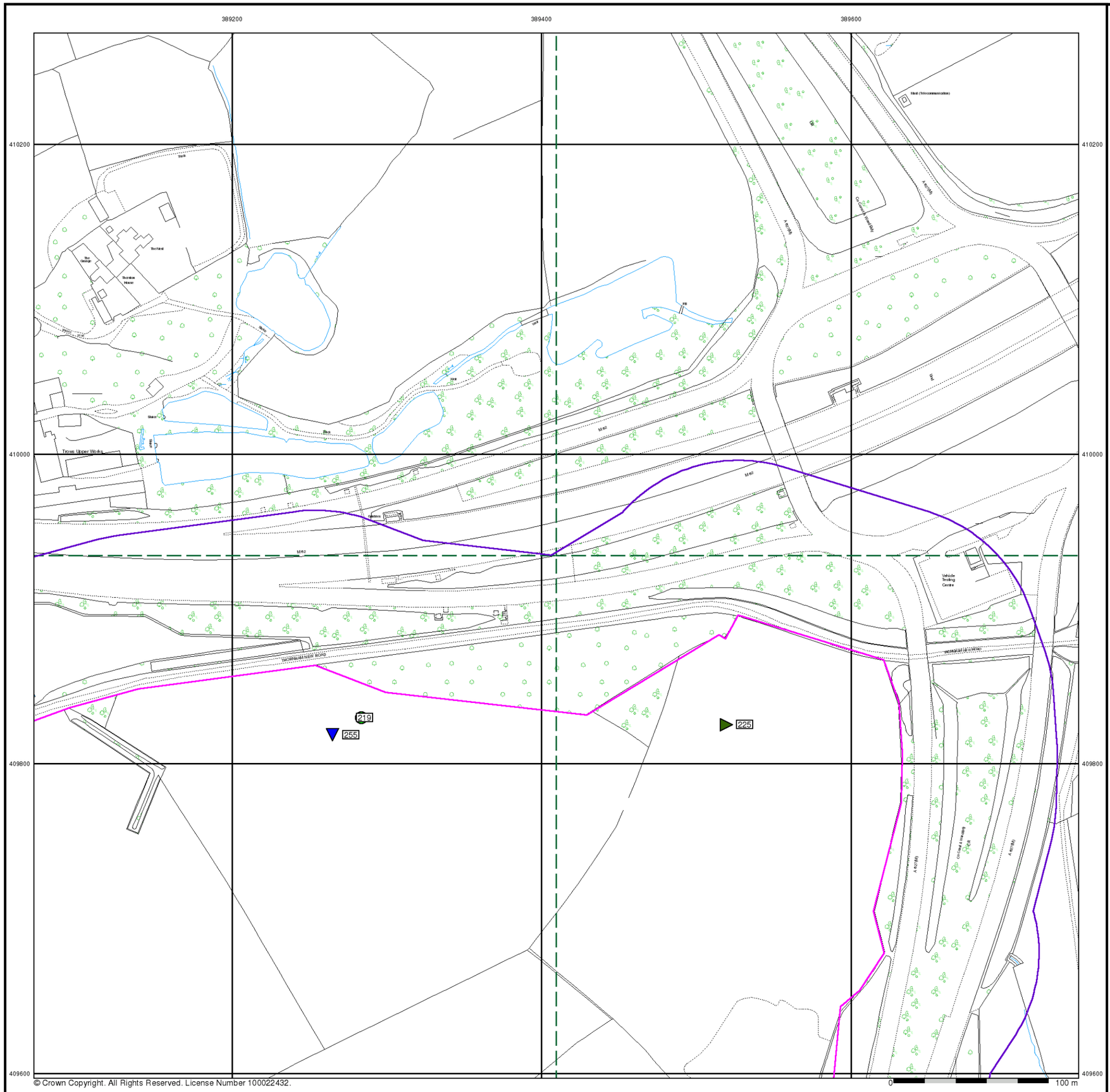
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Plot Buffer (m):	100

Site Details

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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
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- River Quality Sampling Point
- 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

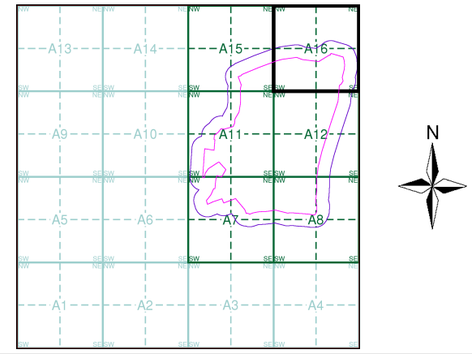
Geological

- BGS Recorded Mineral Site

Waste

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- 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 A16



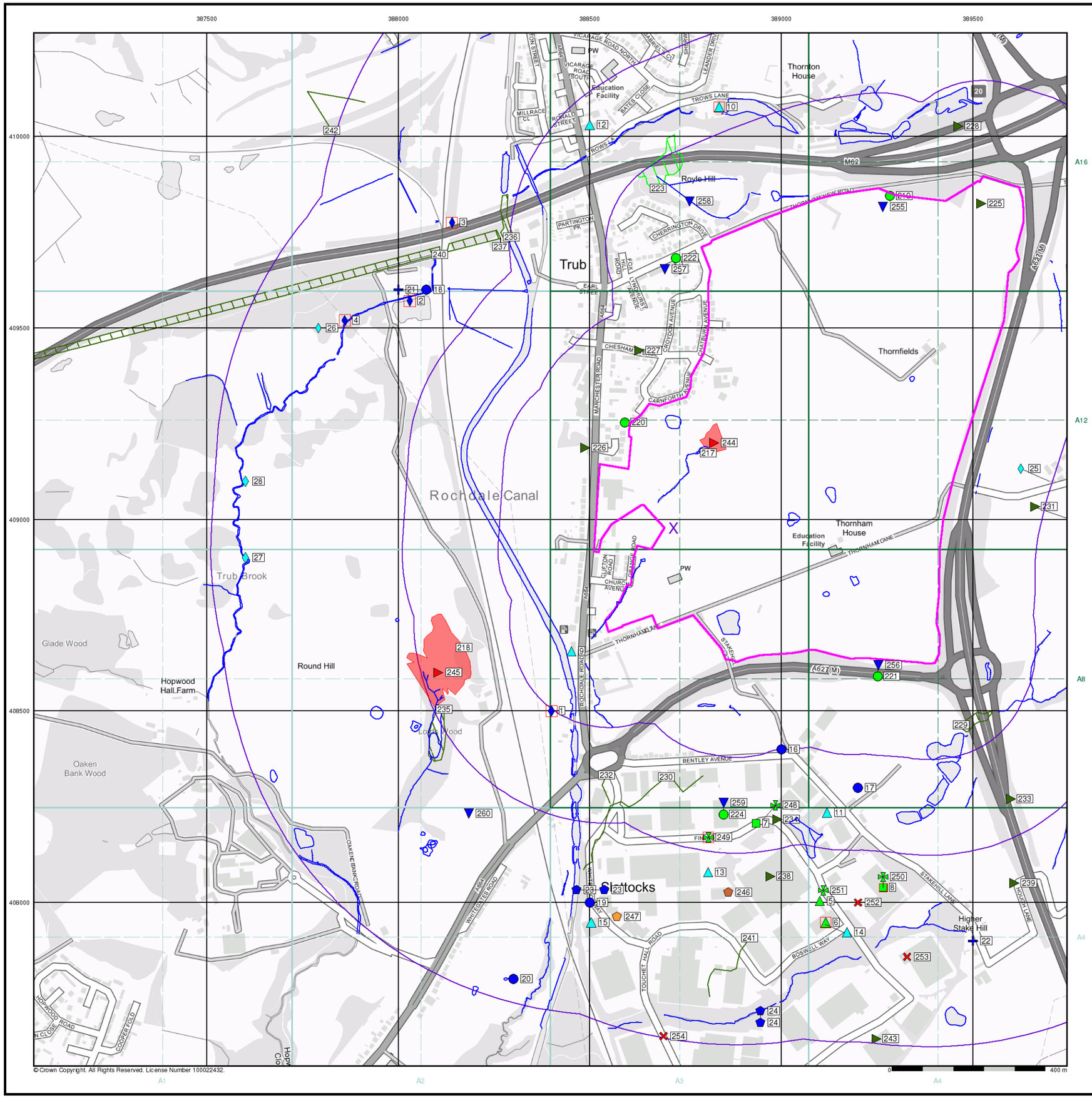
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Plot Buffer (m):	100

Site Details

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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
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- Enforcement or Prohibition Notice
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- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
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Hazardous Substances

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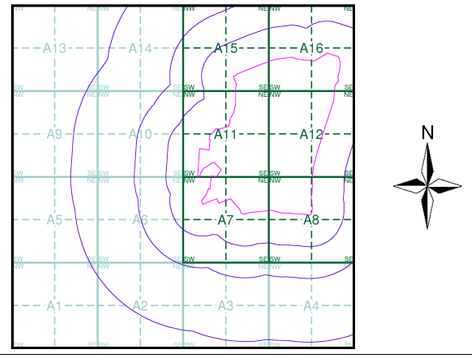
Geological

- BGS Recorded Mineral Site

Waste

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- 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 - Slice A



Order Details

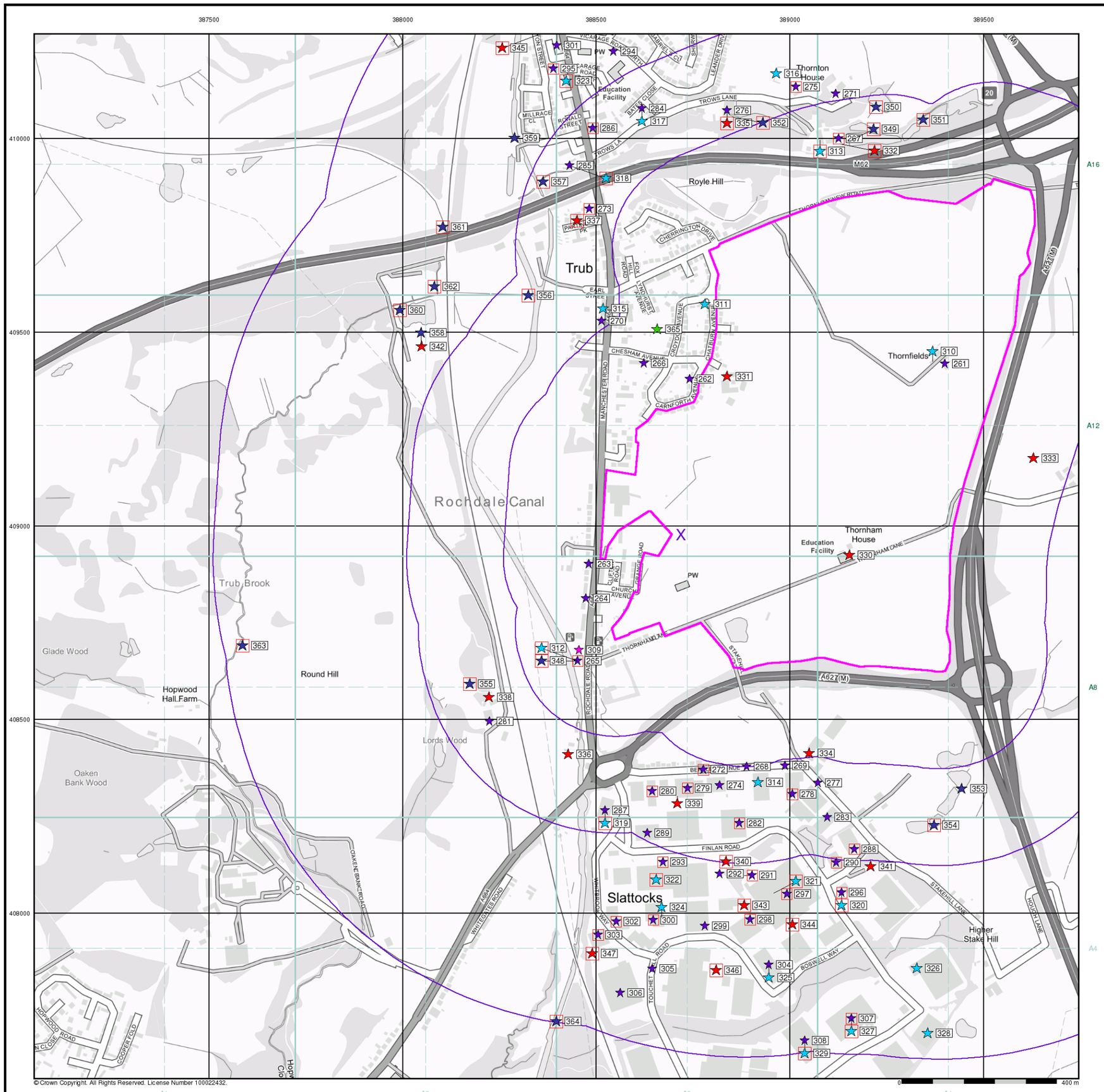
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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Industrial Land Use Map

General

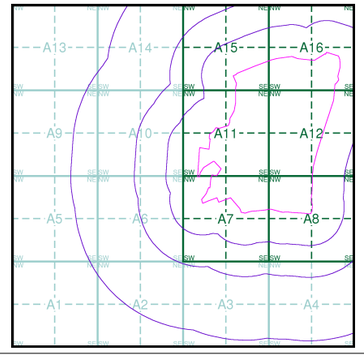
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- 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

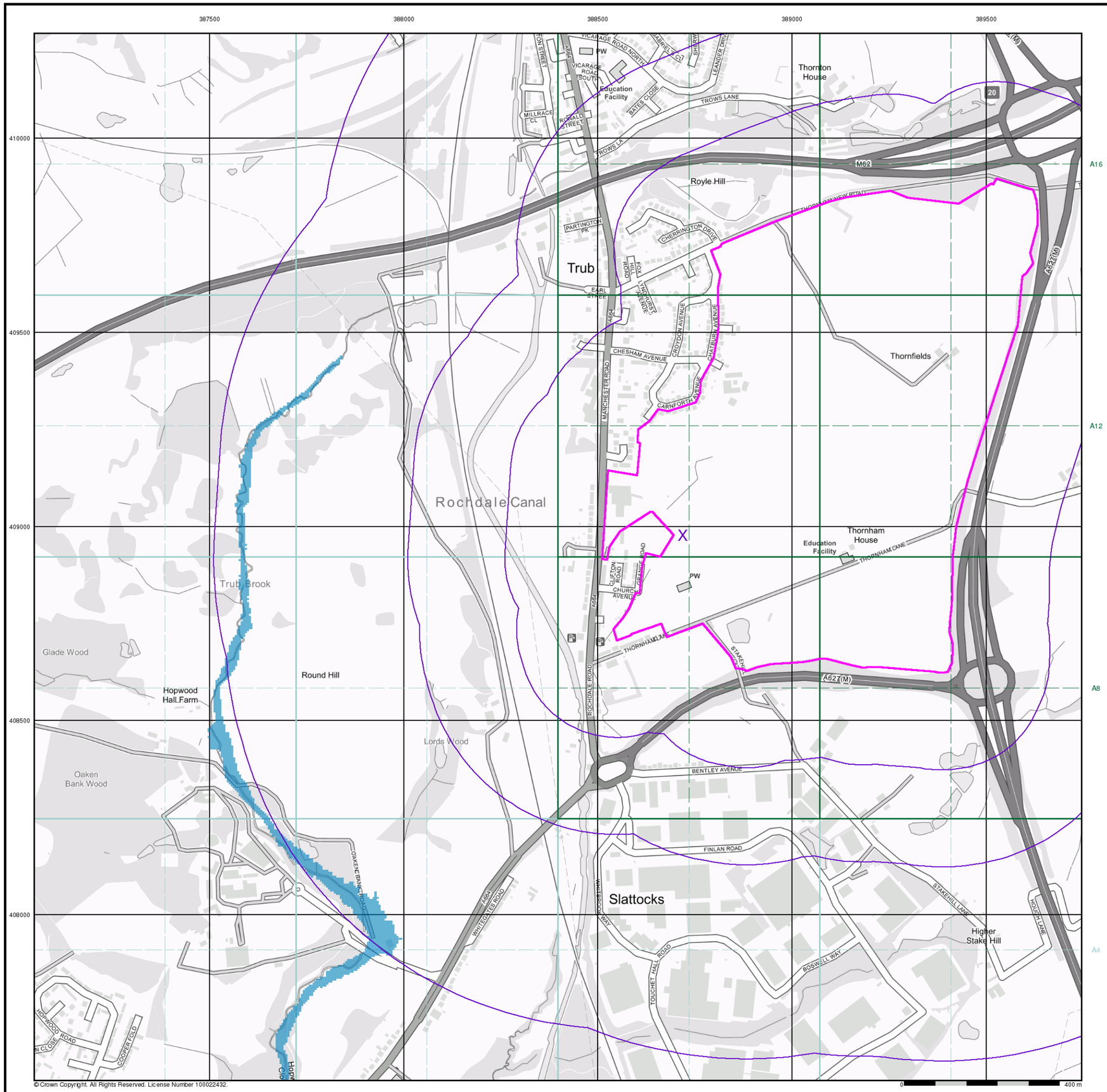
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
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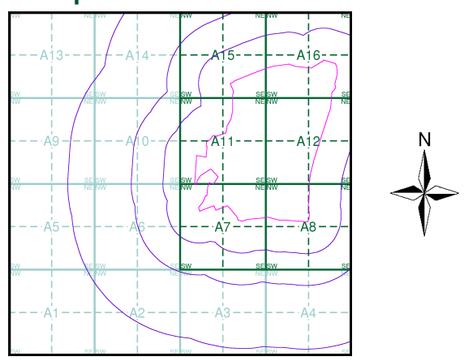
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



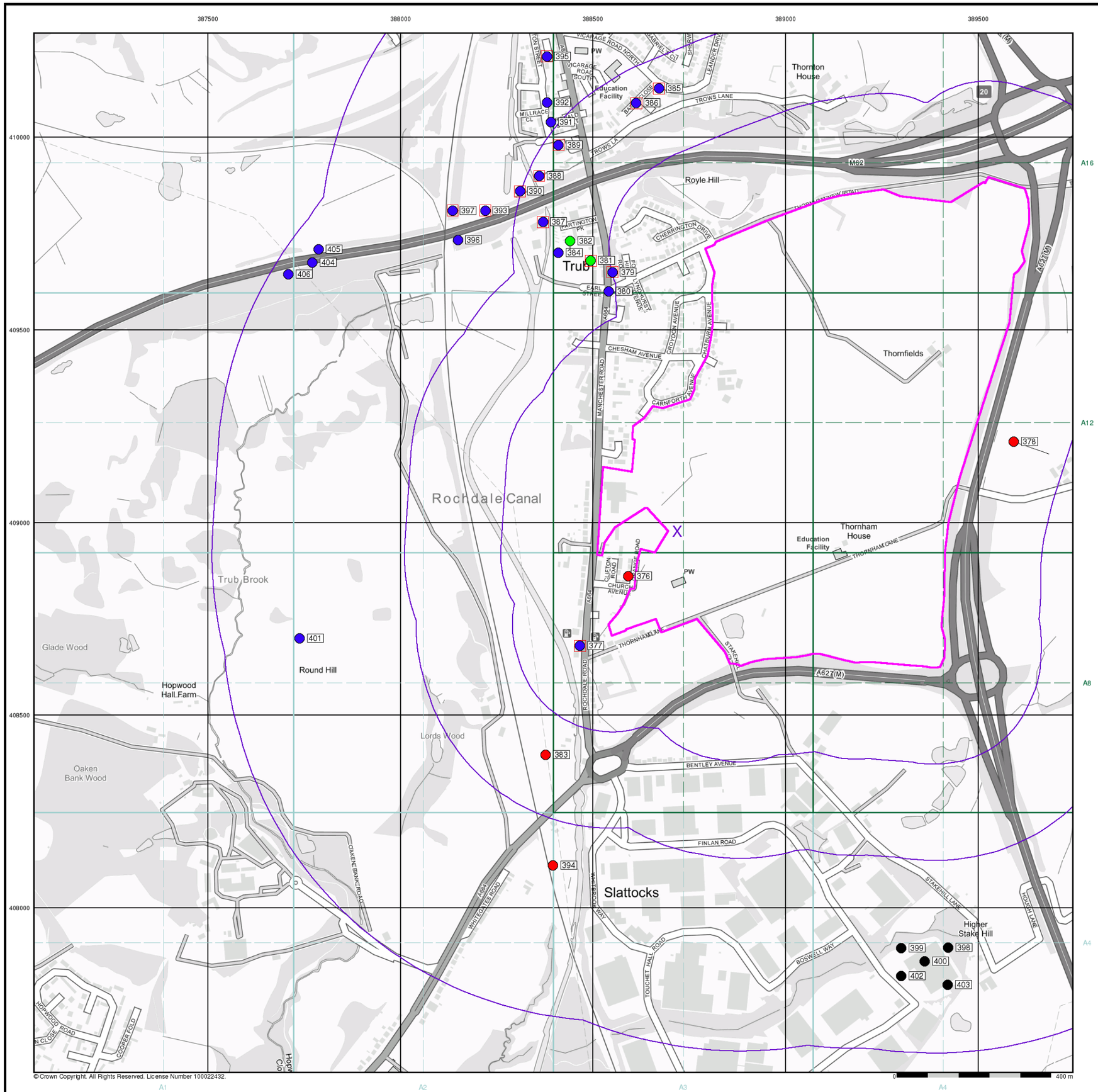
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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General

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

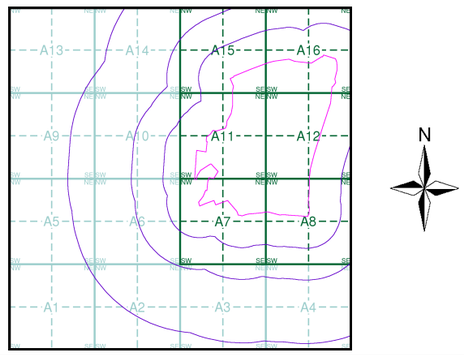
Agency and Hydrological (Boreholes)

- 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 A



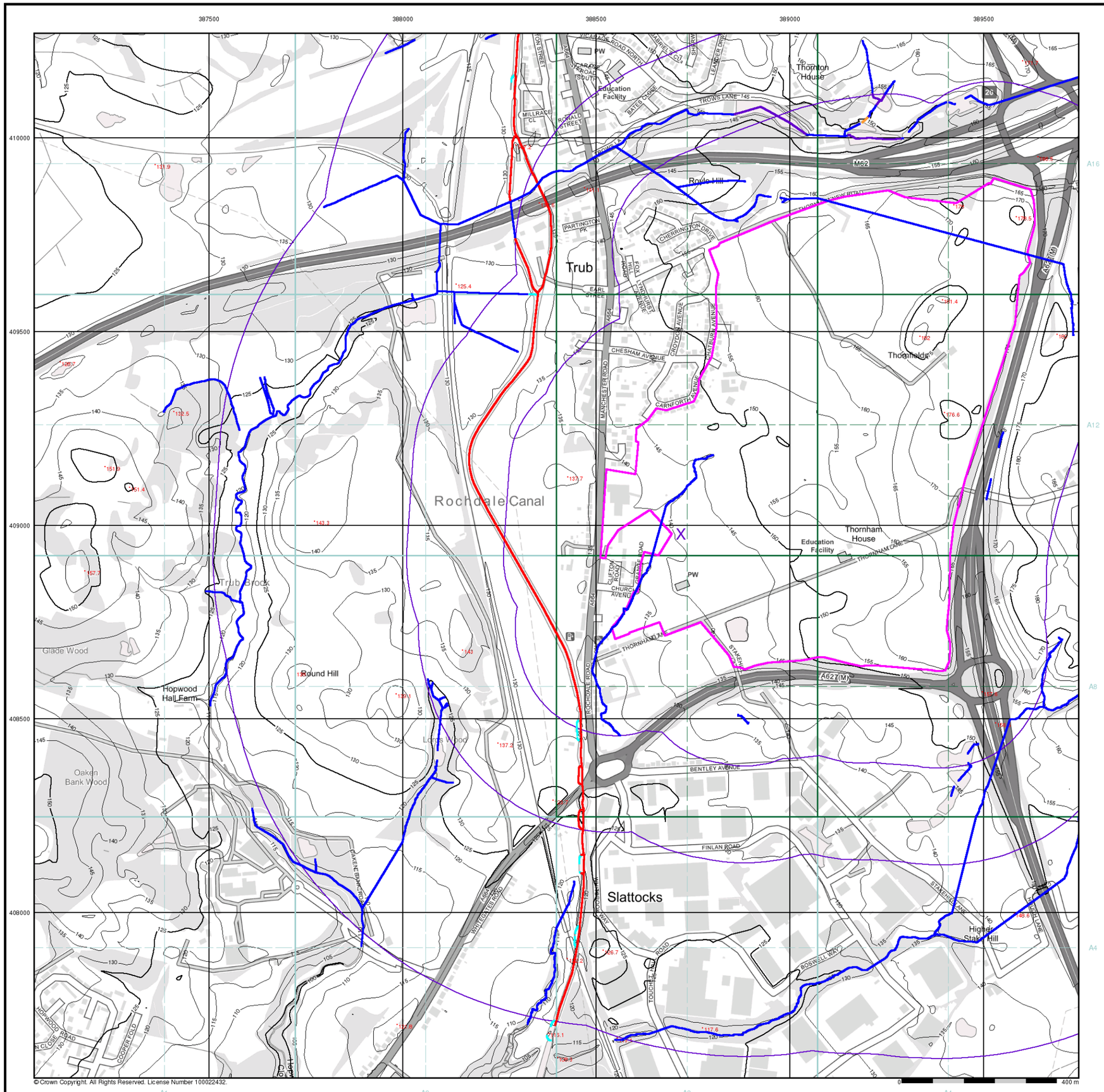
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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RSK

General

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

OS Water Network Data

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

Contours (height in meters)

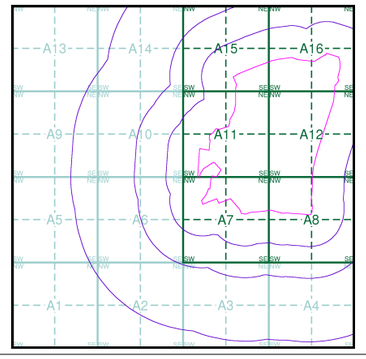
Standard Contour

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

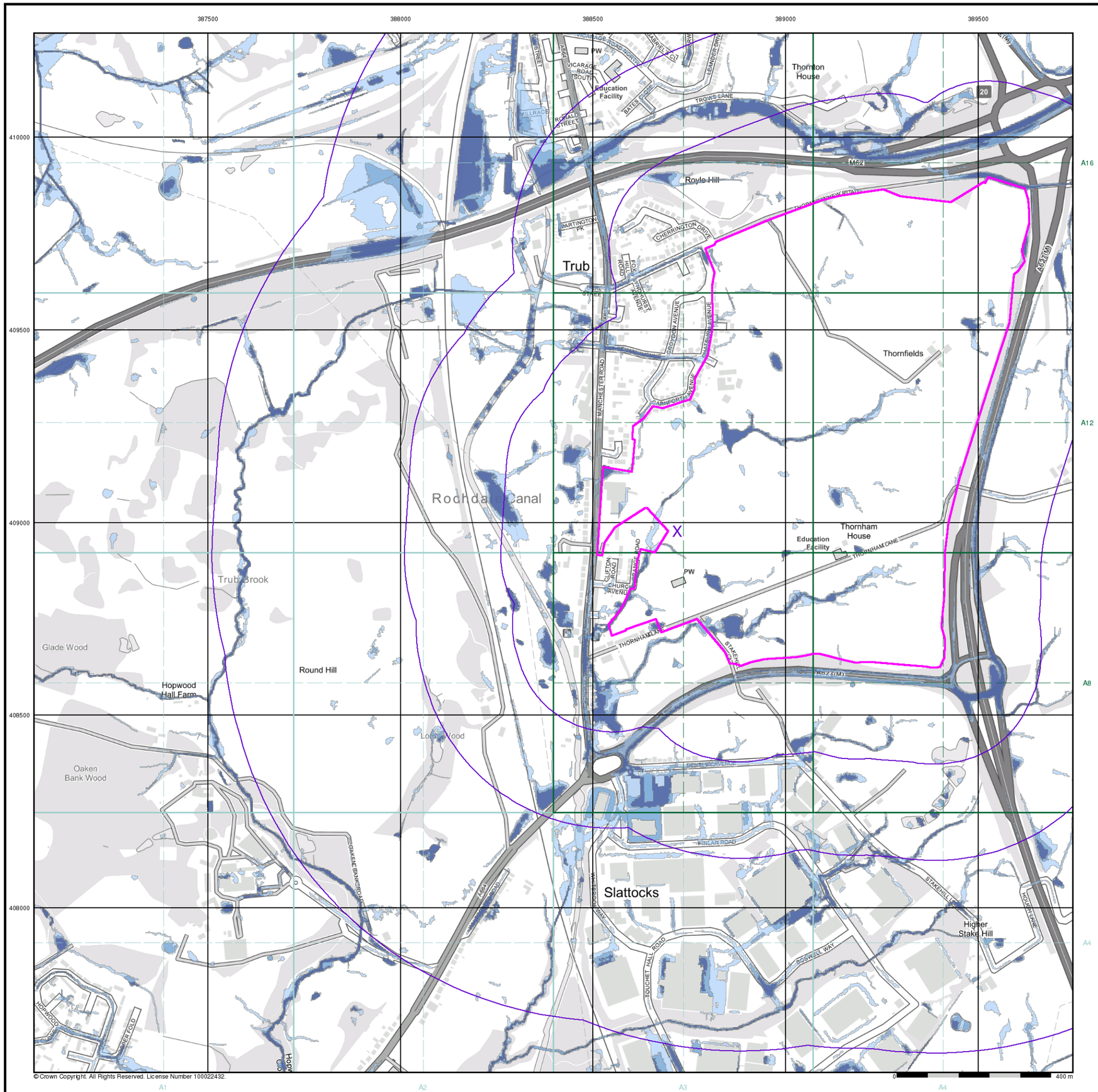
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Customer Ref:	322974
National Grid Reference:	388720, 408980
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RSK

General

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

Risk of Flooding from Surface Water

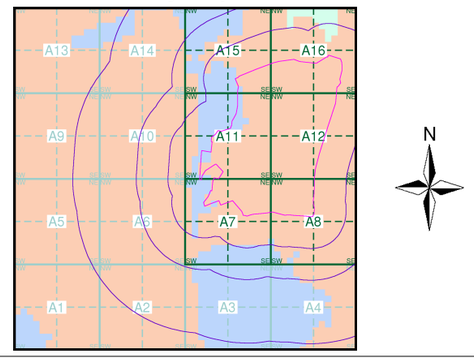
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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



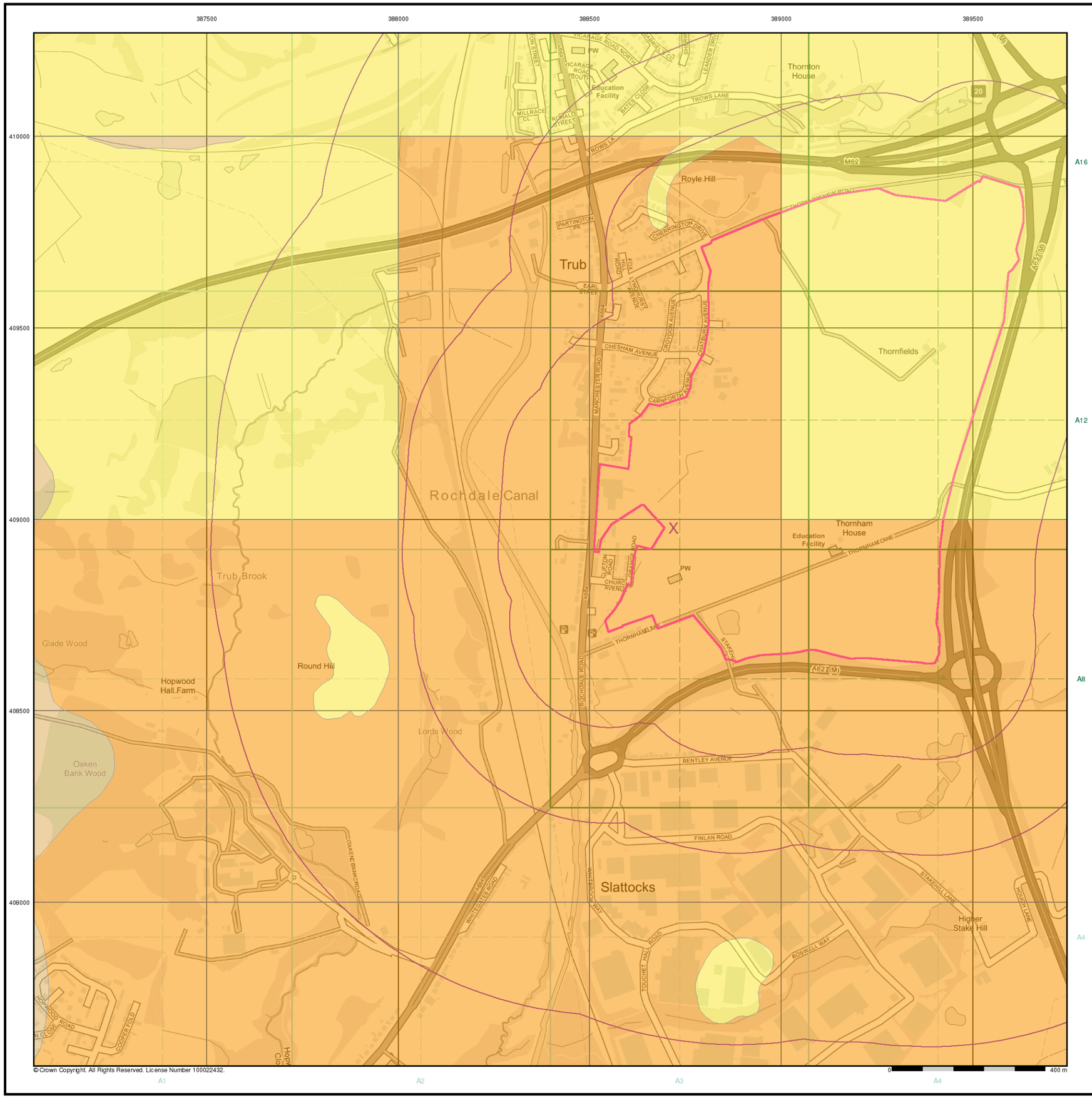
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

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General

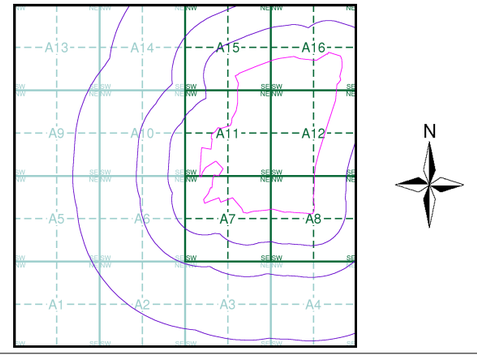
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



Order Details

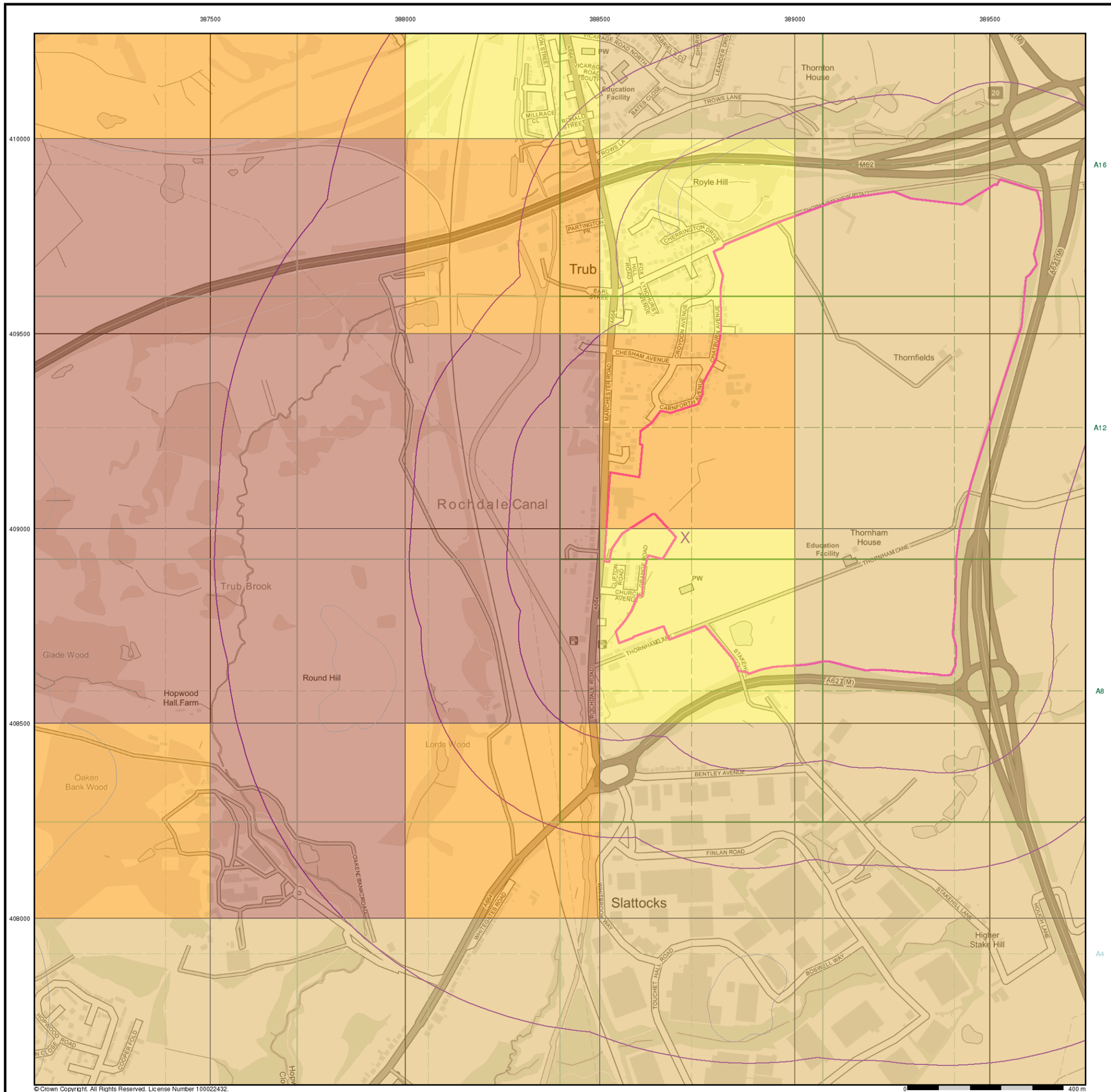
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Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
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General

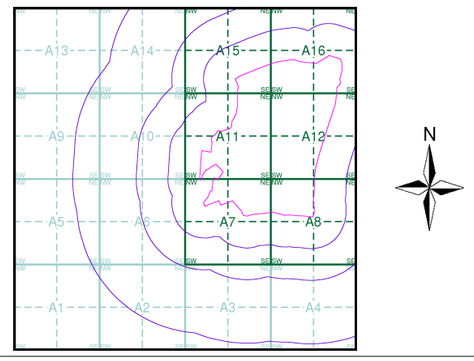
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



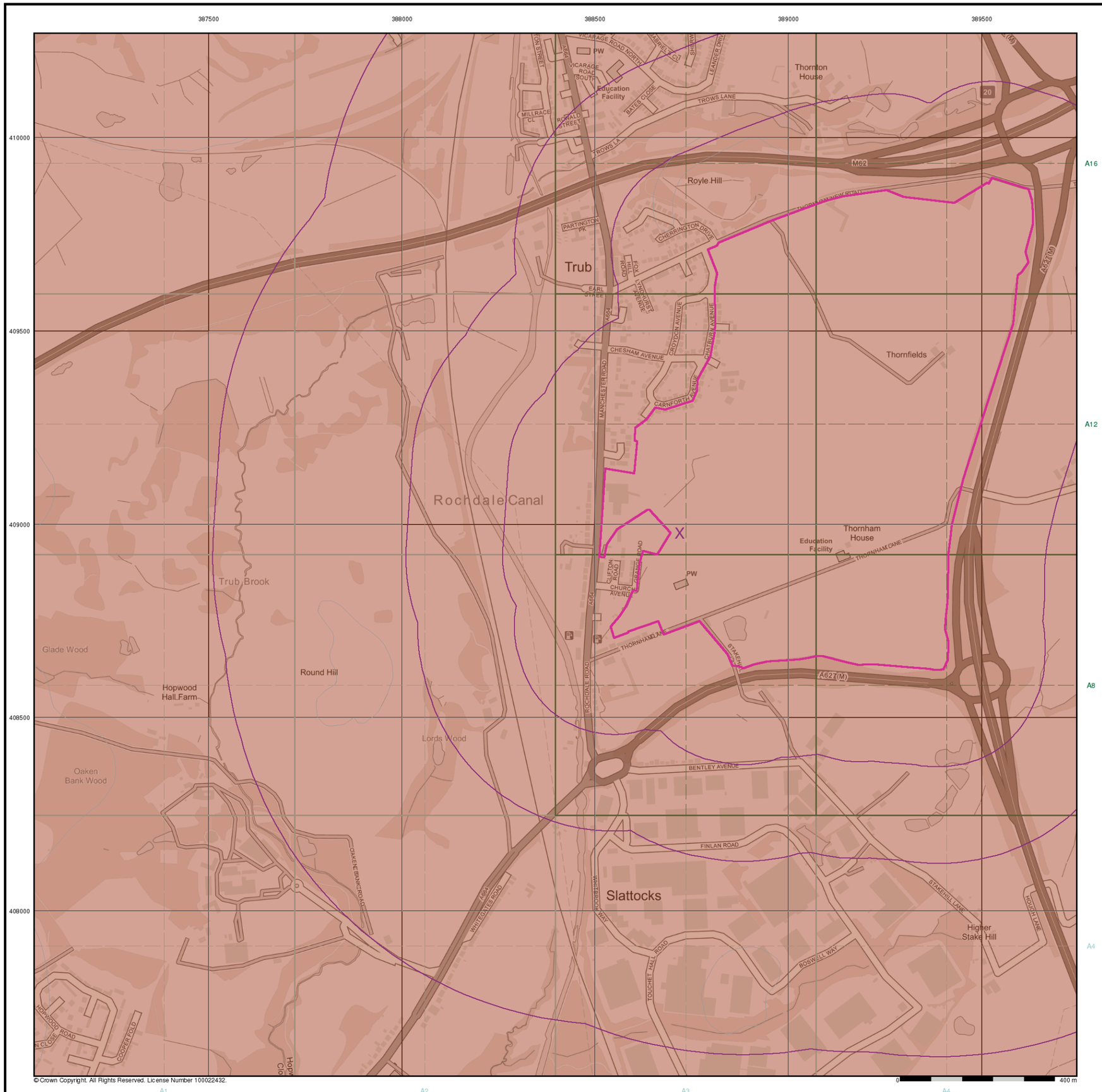
Order Details

Order Details:	300522833_1_1
Customer Ref:	322974
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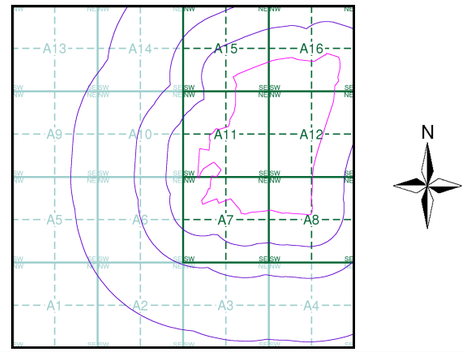
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



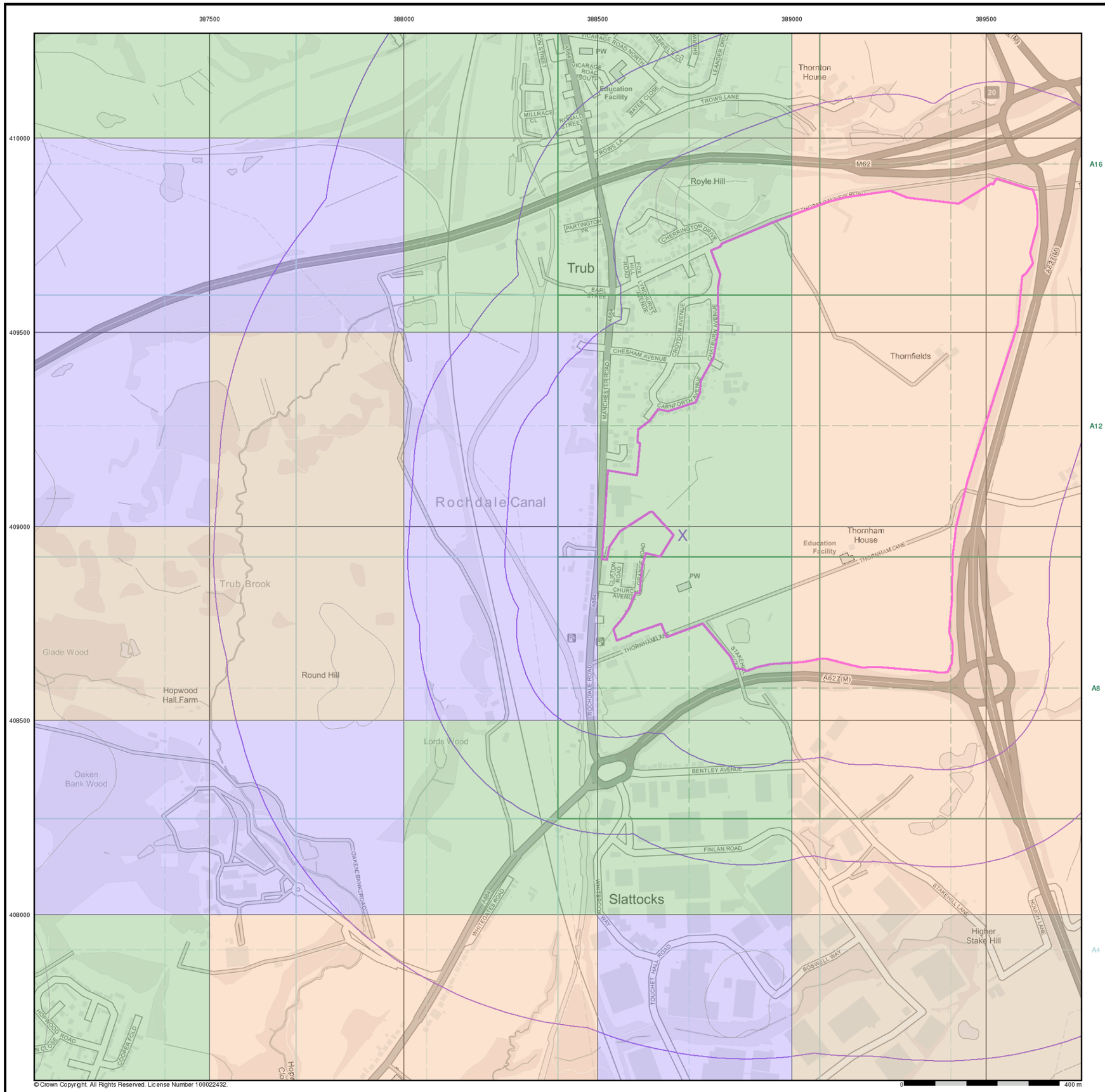
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General

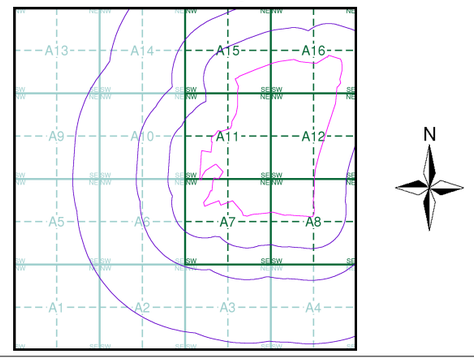
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



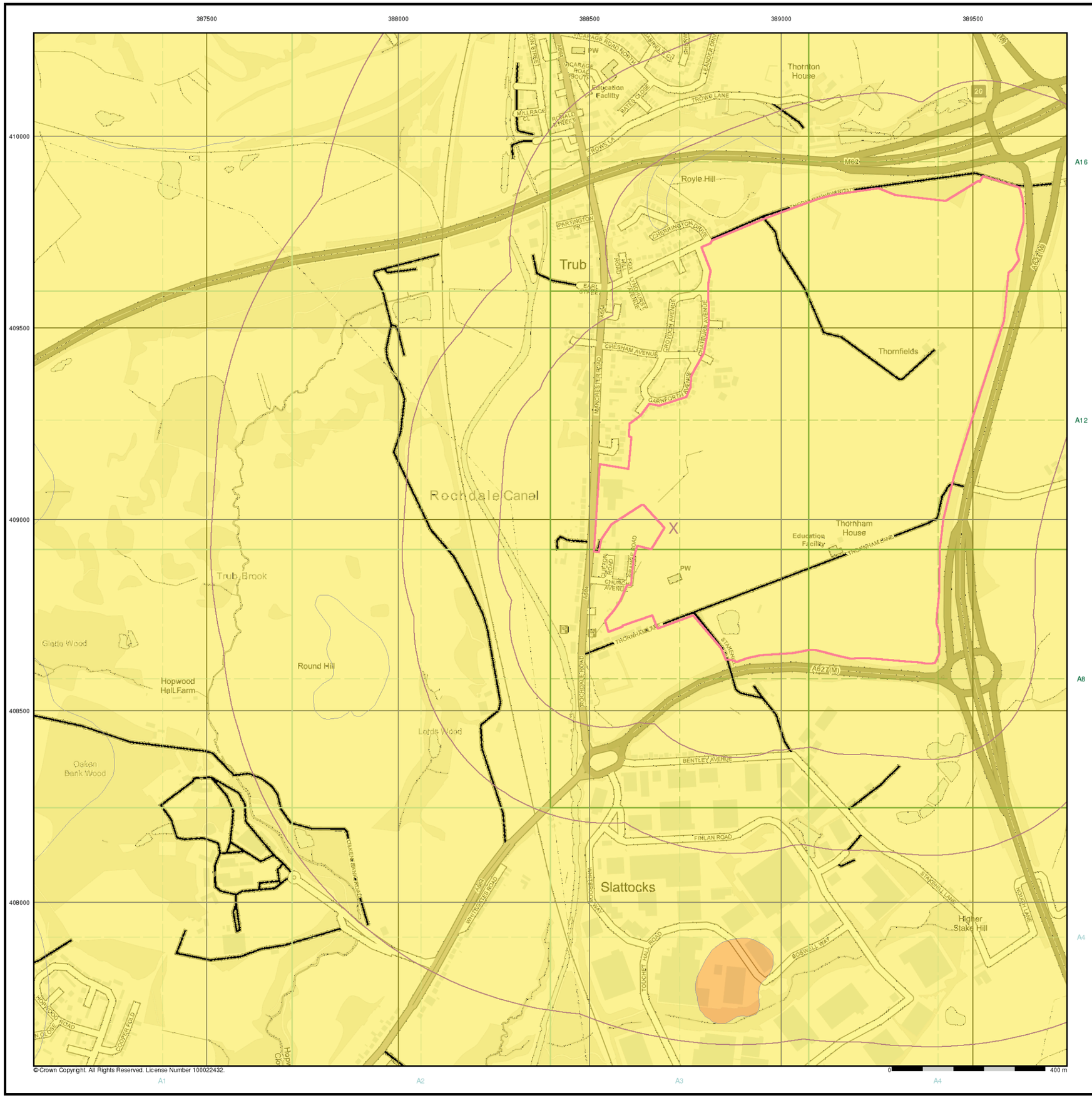
Order Details

Order Details:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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General

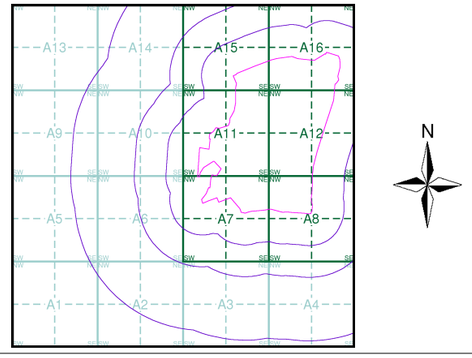
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



Order Details

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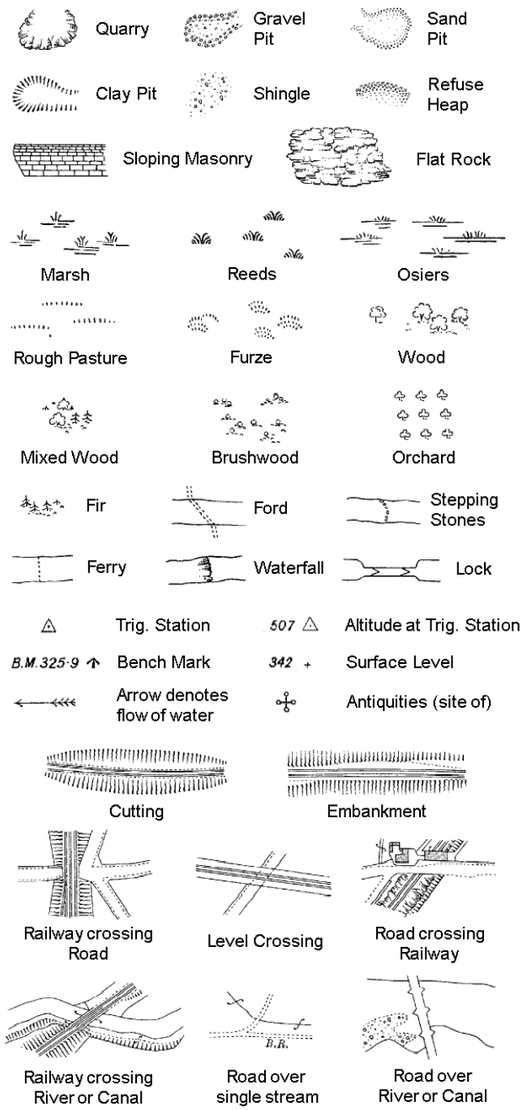
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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

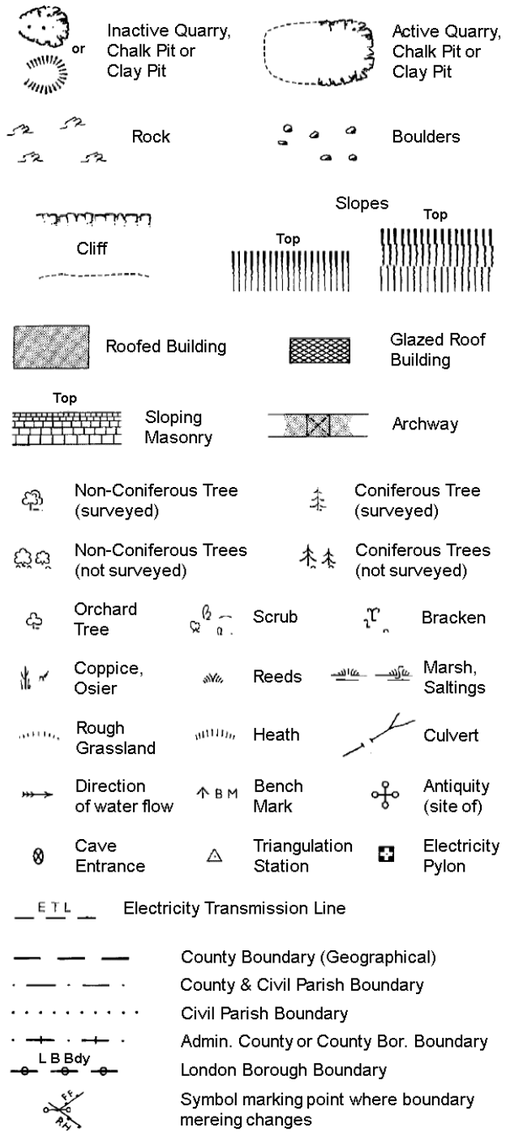
Administrative County & Civil Parish Boundary

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

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

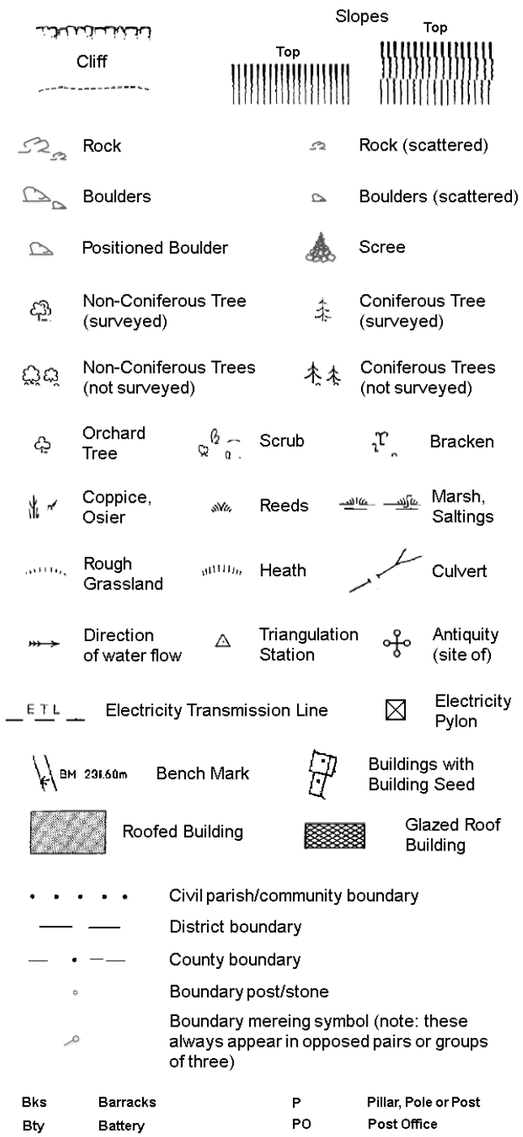
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

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

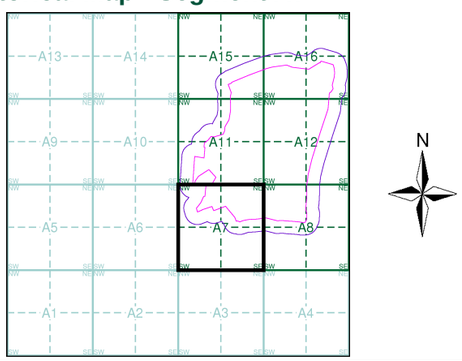
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1929	4
Lancashire And Furness	1:2,500	1939	5
Ordnance Survey Plan	1:1,250	1954	6
Ordnance Survey Plan	1:2,500	1955	7
Supply of Unpublished Survey Information	1:1,250	1973 - 1977	8
Supply of Unpublished Survey Information	1:1,250	1975 - 1977	9
Supply of Unpublished Survey Information	1:1,250	1976	10
Ordnance Survey Plan	1:1,250	1978 - 1981	11
Additional SIMs	1:1,250	1978 - 1984	12
Additional SIMs	1:1,250	1982 - 1990	13
Large-Scale National Grid Data	1:1,250	1992	14
Historical Aerial Photography	1:2,500	2000	15

Historical Map - Segment A7



Order Details

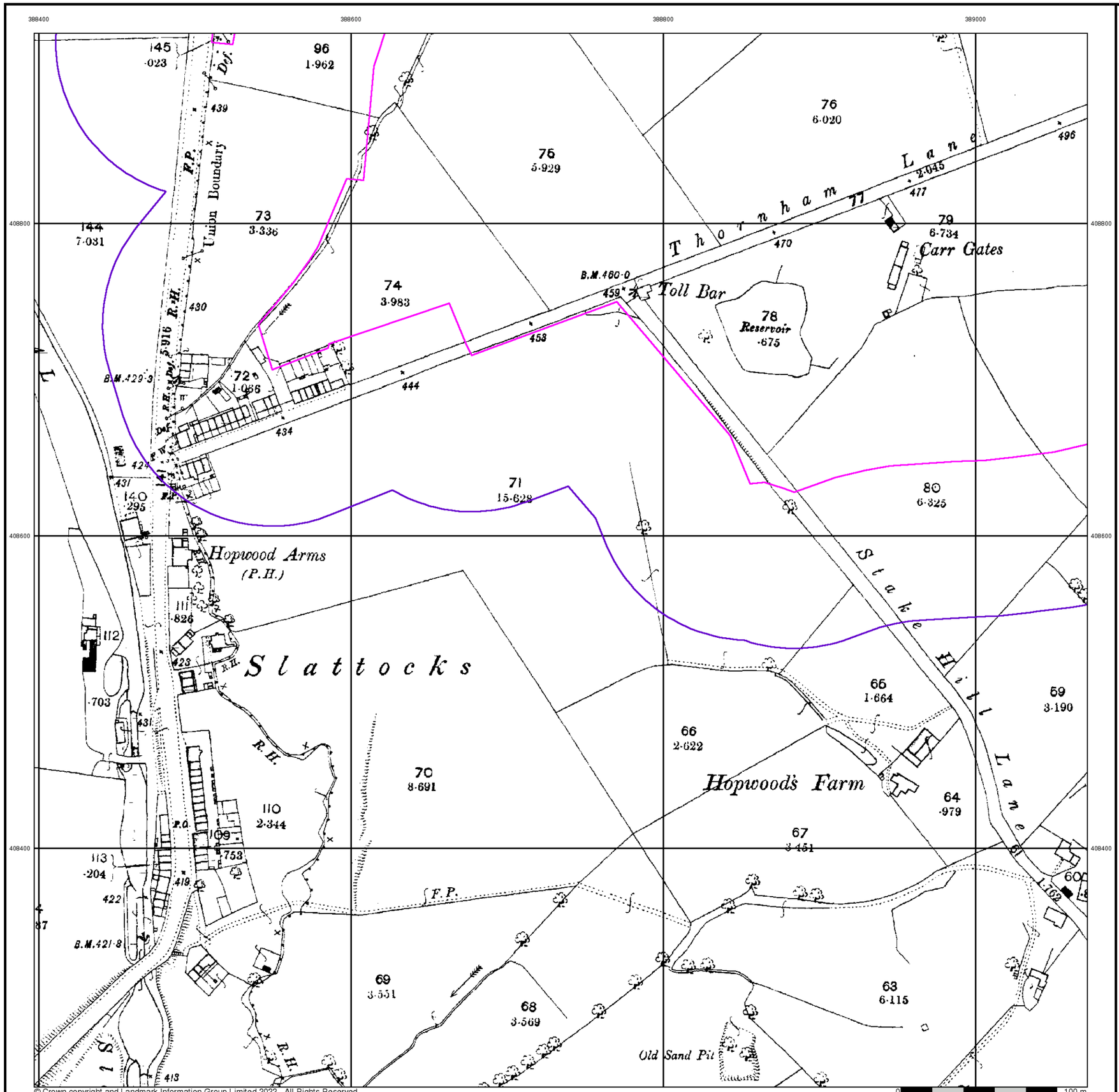
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Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

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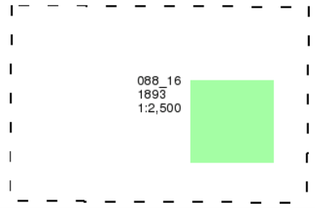
Lancashire And Furness

Published 1893

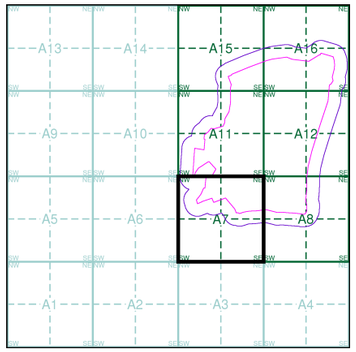
Source map scale - 1:2,500

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 A7



Order Details

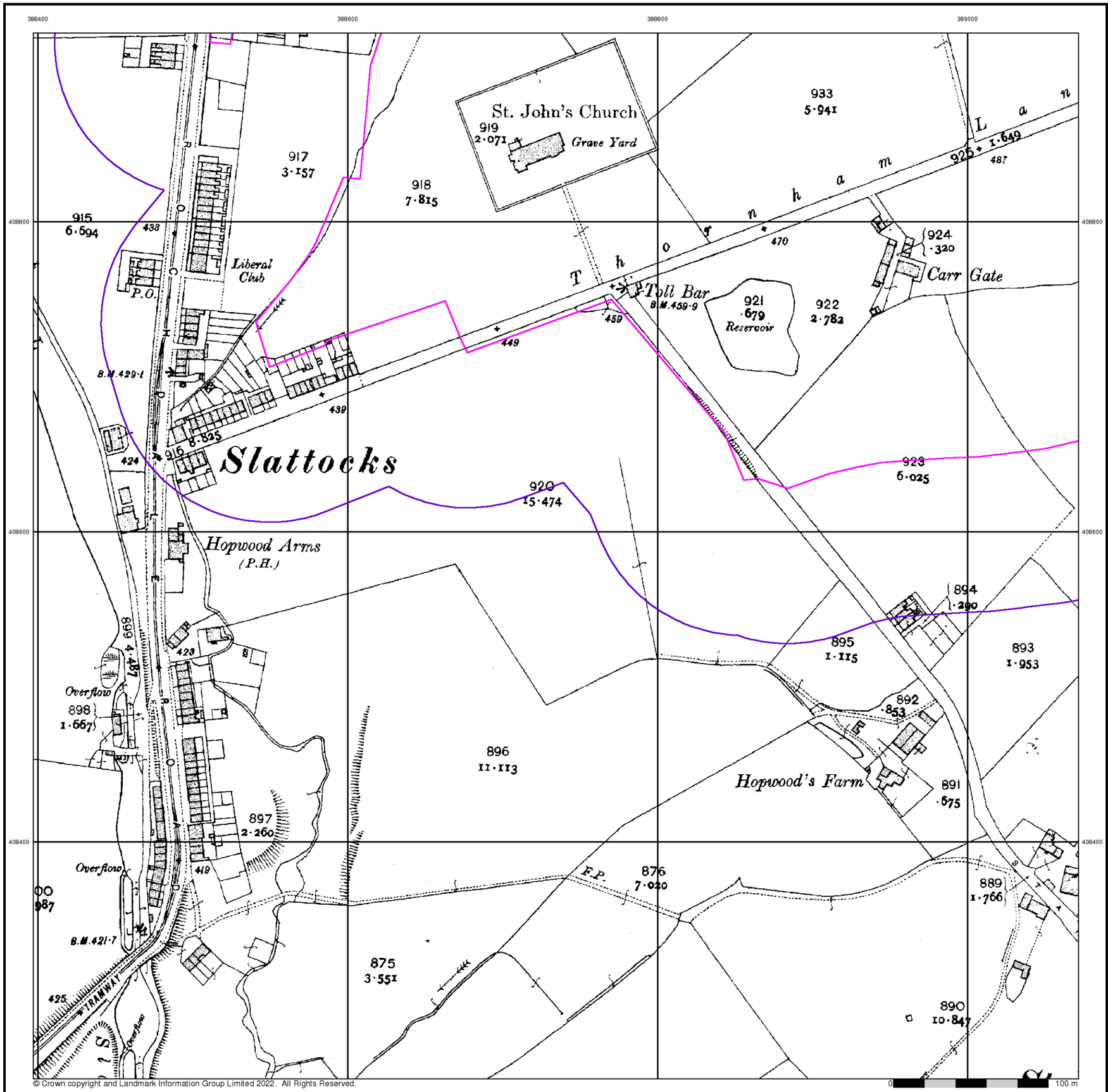
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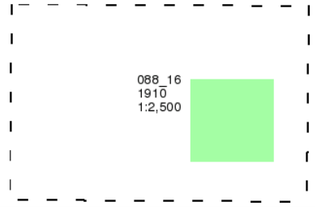
Lancashire And Furness

Published 1910

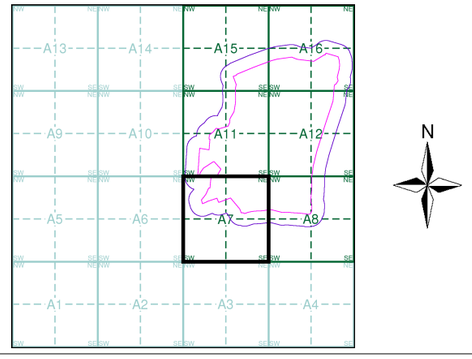
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A7



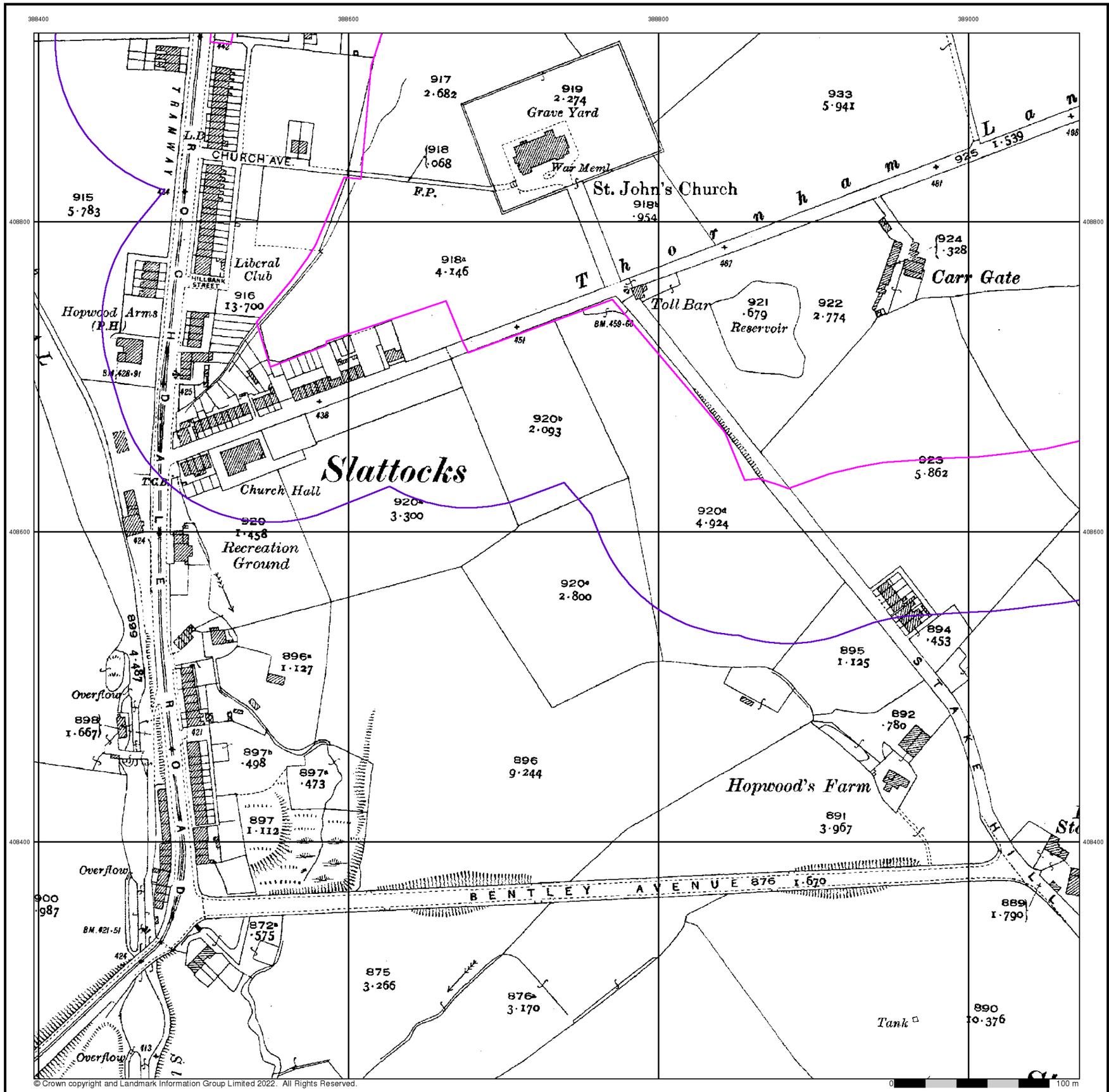
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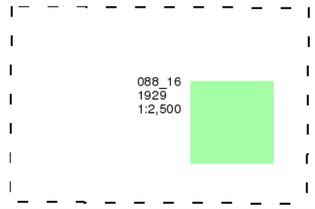
Lancashire And Furness

Published 1929

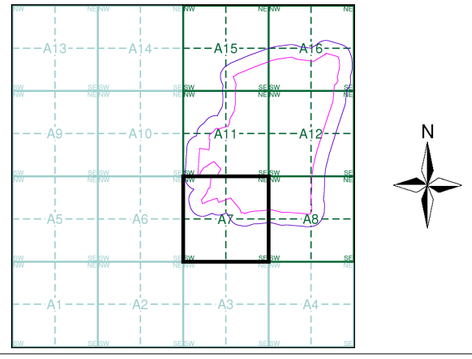
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A7



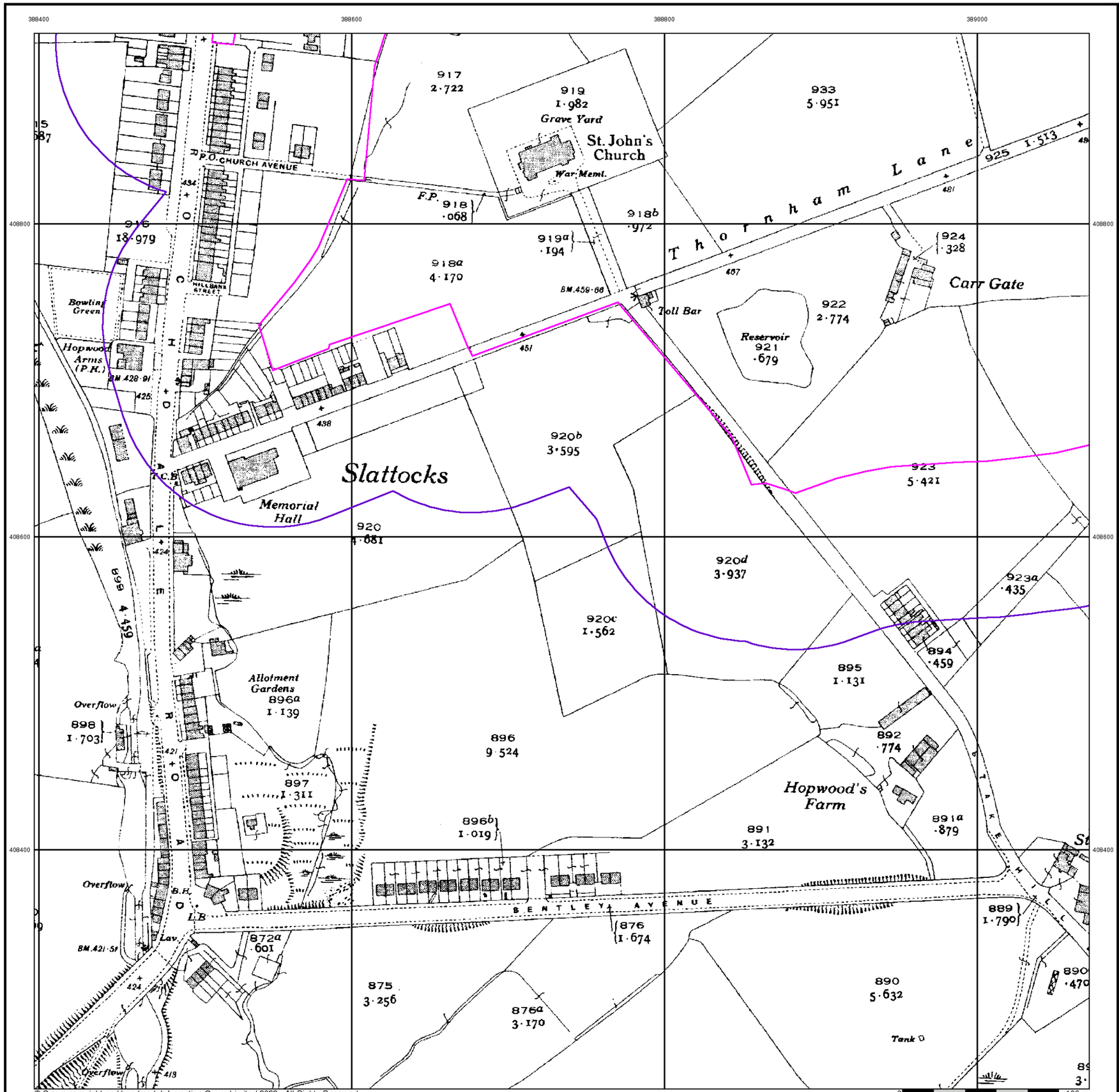
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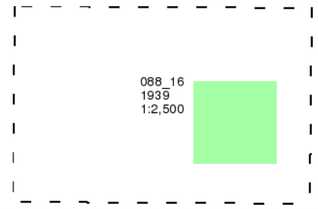
Lancashire And Furness

Published 1939

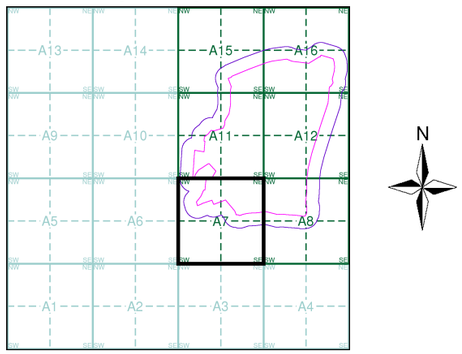
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A7



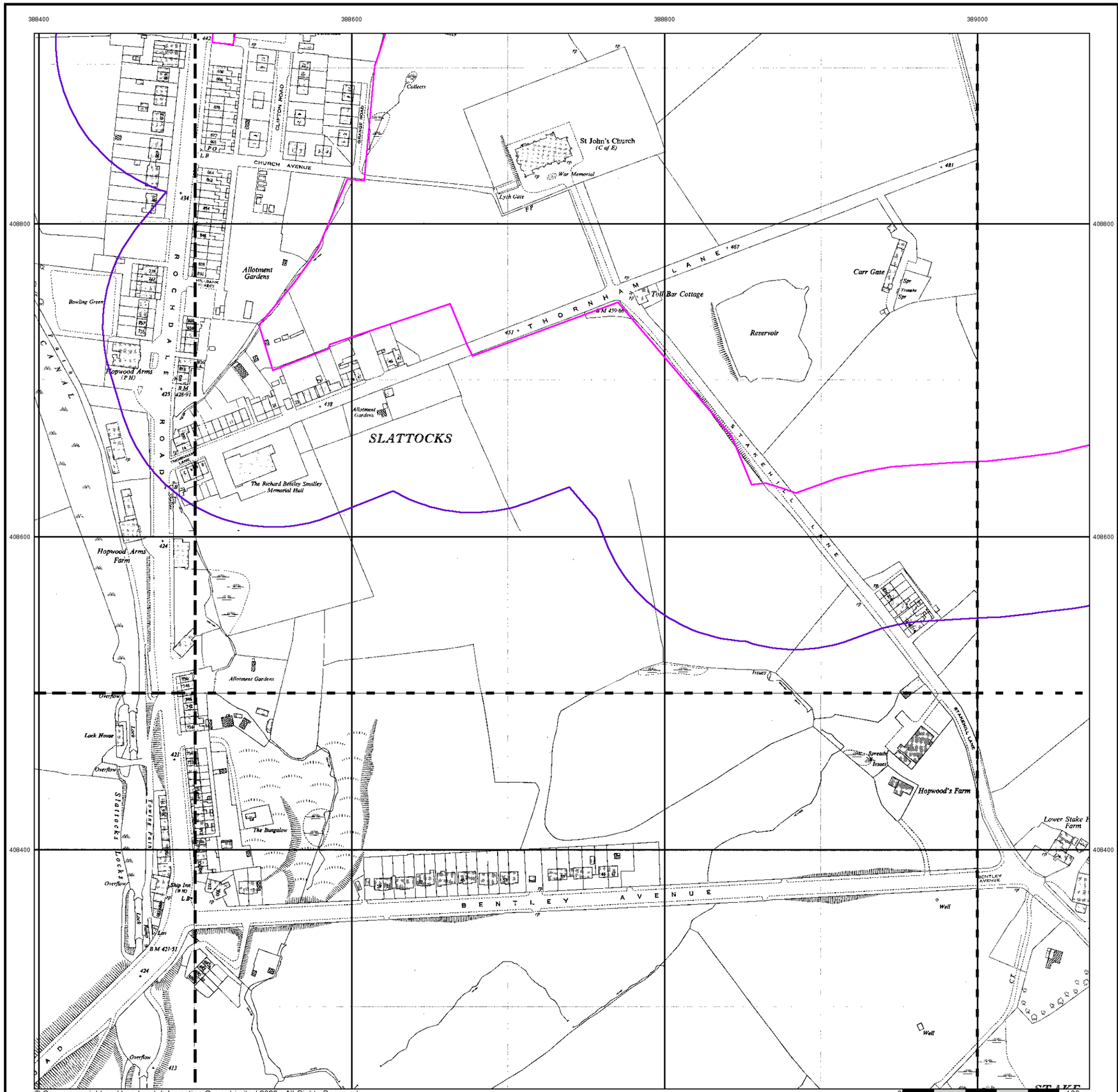
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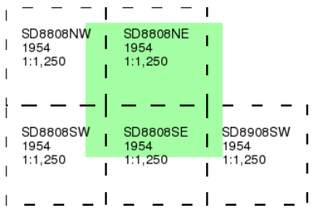
Ordnance Survey Plan

Published 1954

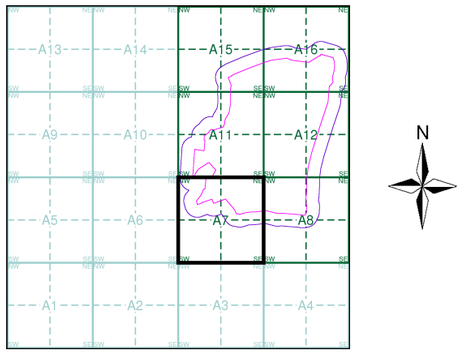
Source map scale - 1:1,250

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 A7



Order Details

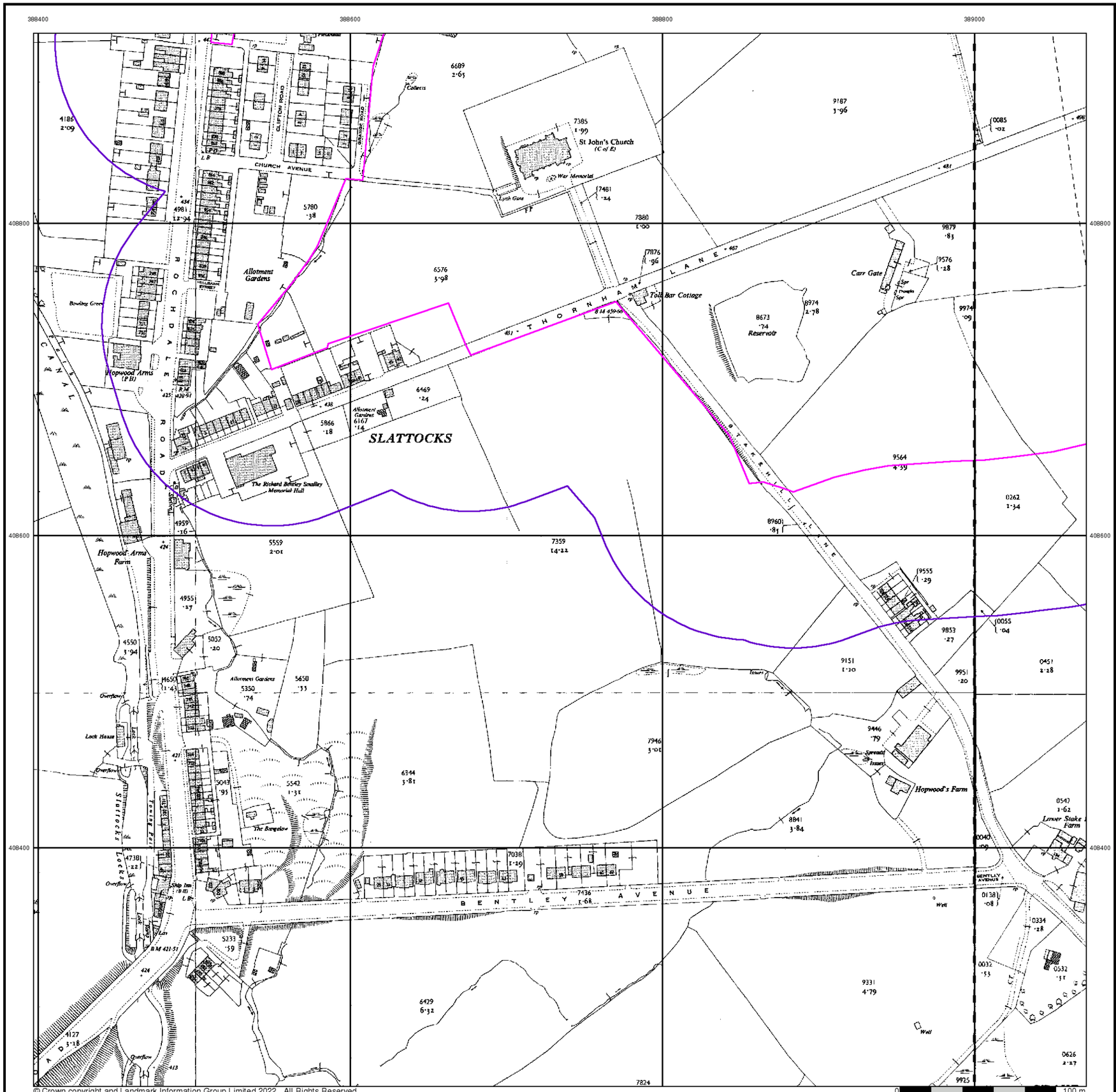
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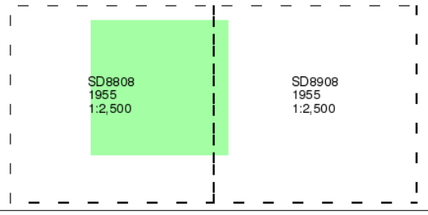
Ordnance Survey Plan

Published 1955

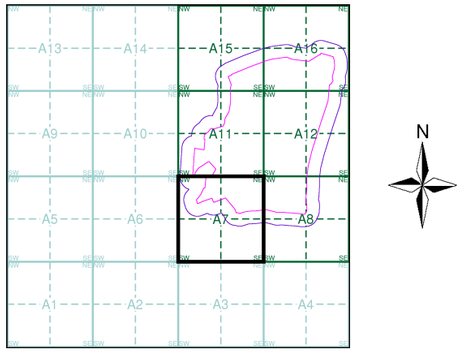
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A7



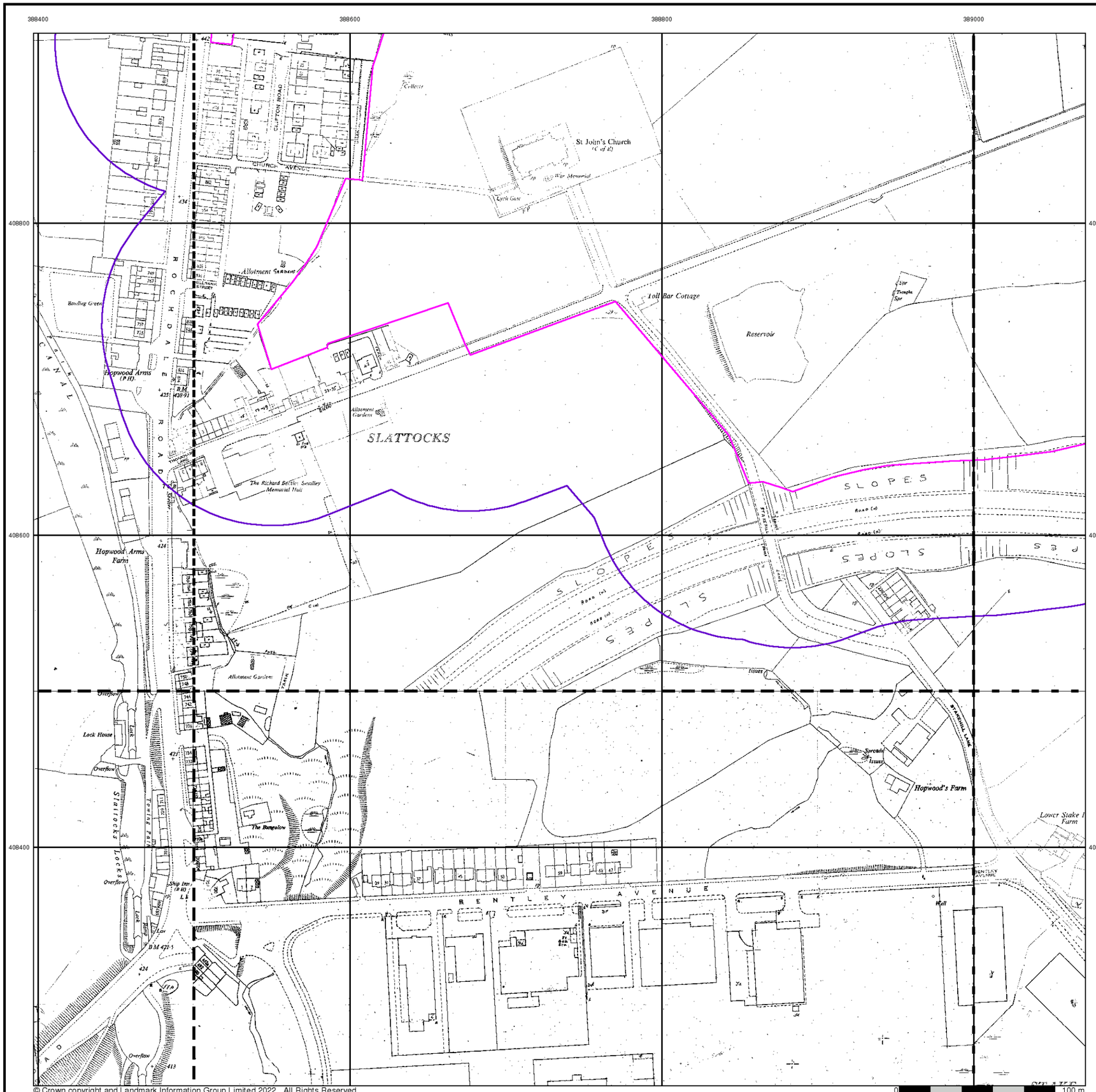
Order Details

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0 100 m

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Supply of Unpublished Survey Information

Published 1973 - 1977

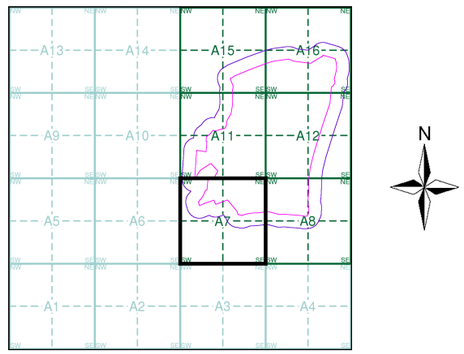
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD8808NW 1975 1:1,250	SD8808NE 1977 1:1,250	SD8908NW 1976 1:1,250
SD8808SW 1975 1:1,250	SD8808SE 1973 1:1,250	SD8908SW 1975 1:1,250

Historical Map - Segment A7



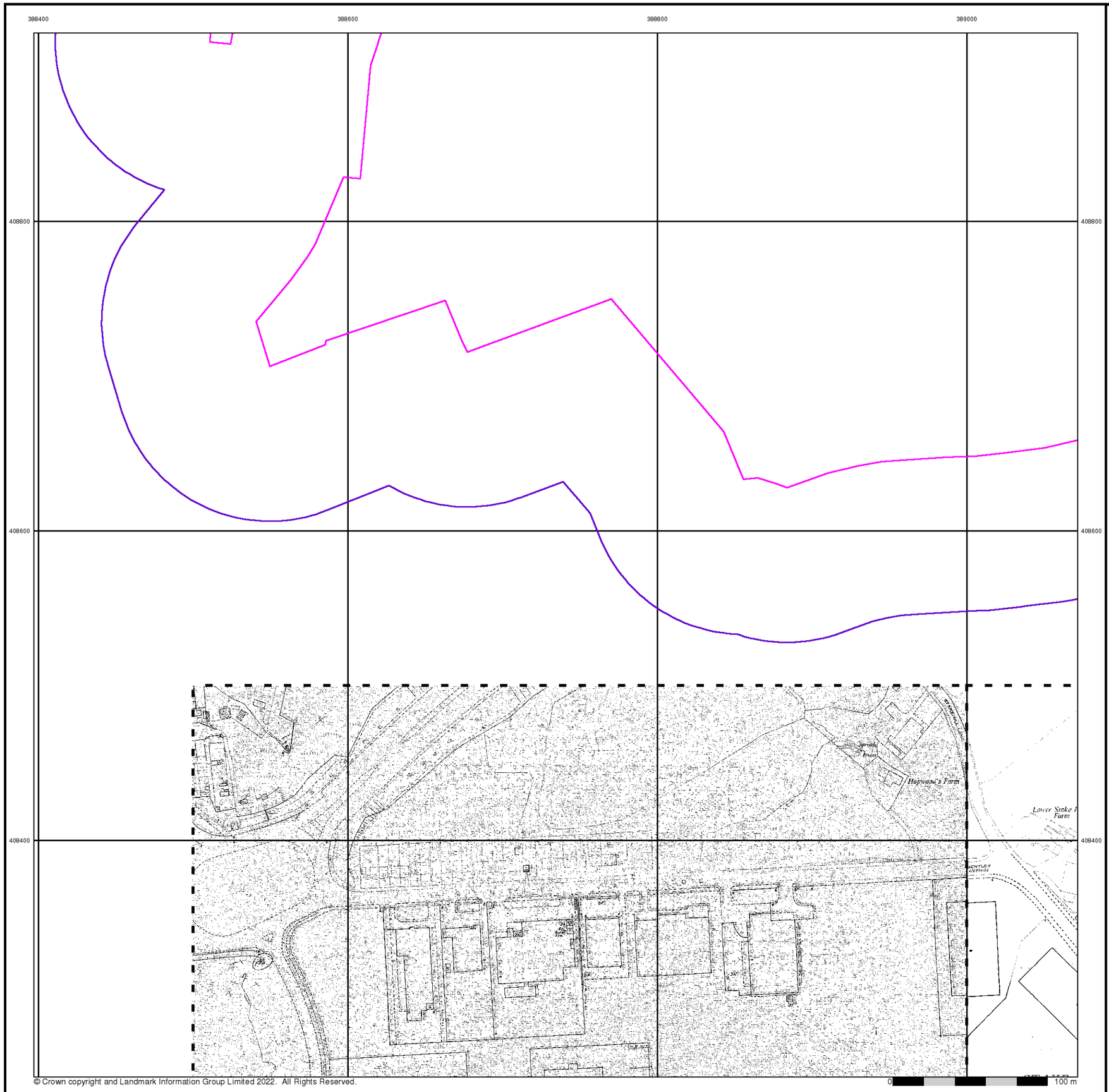
Order Details

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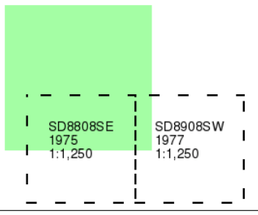
Supply of Unpublished Survey Information

Published 1975 - 1977

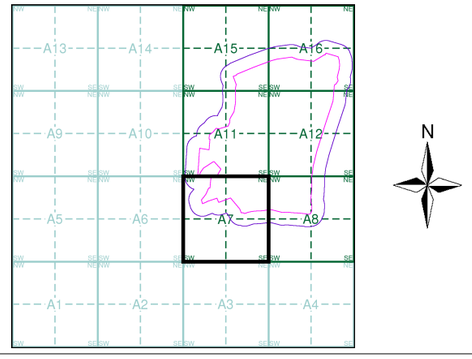
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A7



Order Details

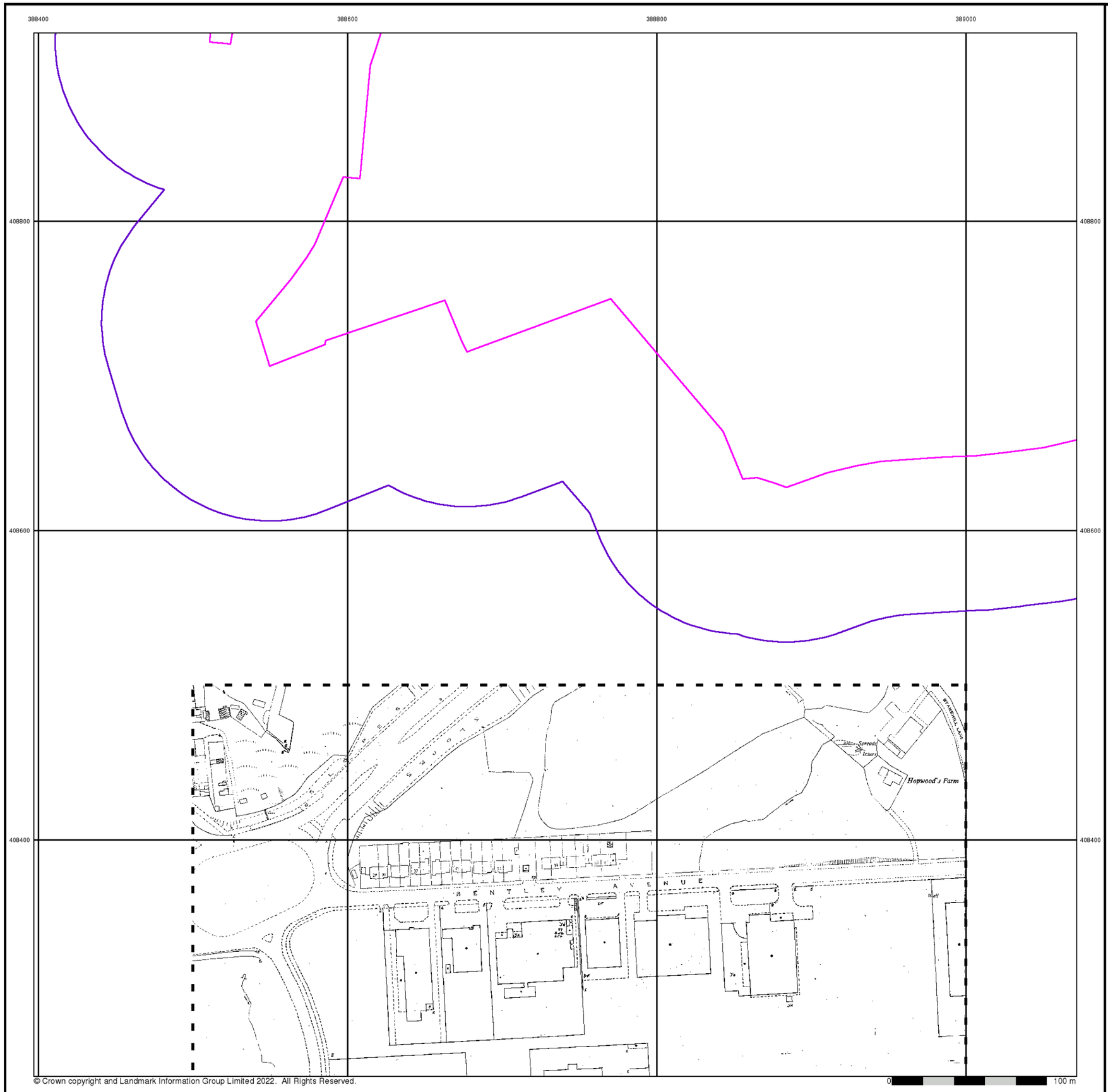
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

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0 100 m

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Supply of Unpublished Survey Information

Published 1976

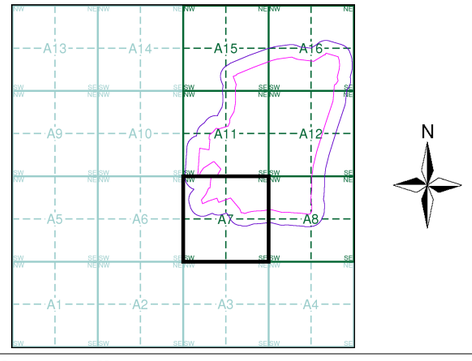
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD8808SE
1976
1:1,250

Historical Map - Segment A7



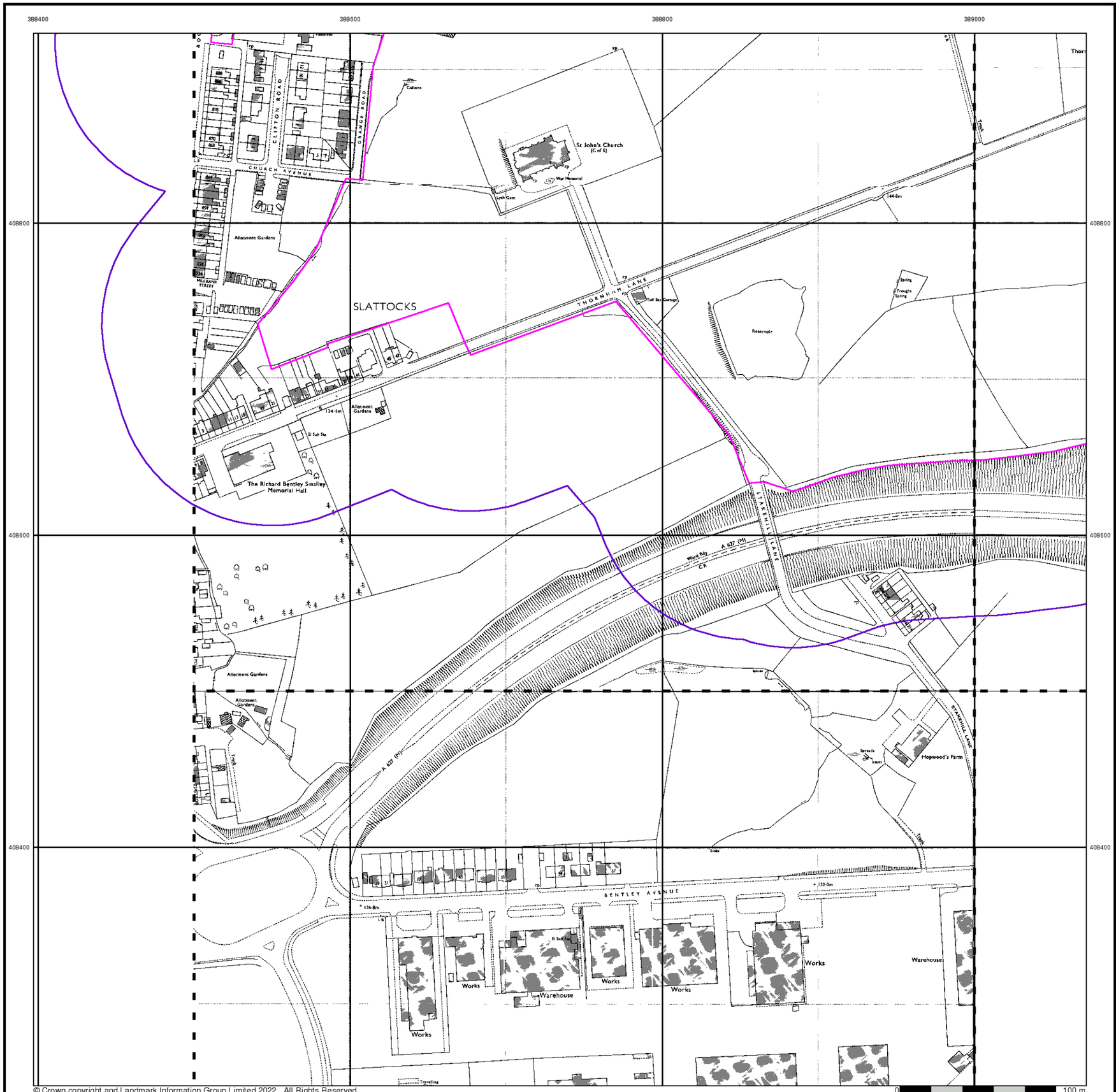
Order Details

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Ordnance Survey Plan

Published 1978 - 1981

Source map scale - 1:1,250

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.

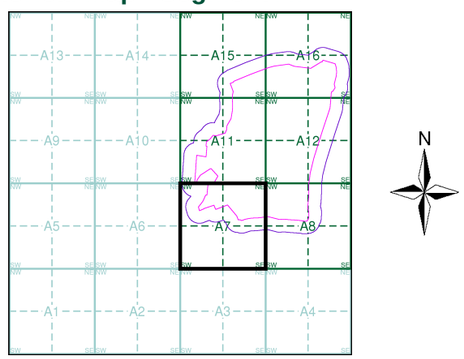
Map Name(s) and Date(s)

SD8808NE 1981 1:1,250

SD8908NW 1978 1:1,250

SD8808SE 1979 1:1,250

Historical Map - Segment A7

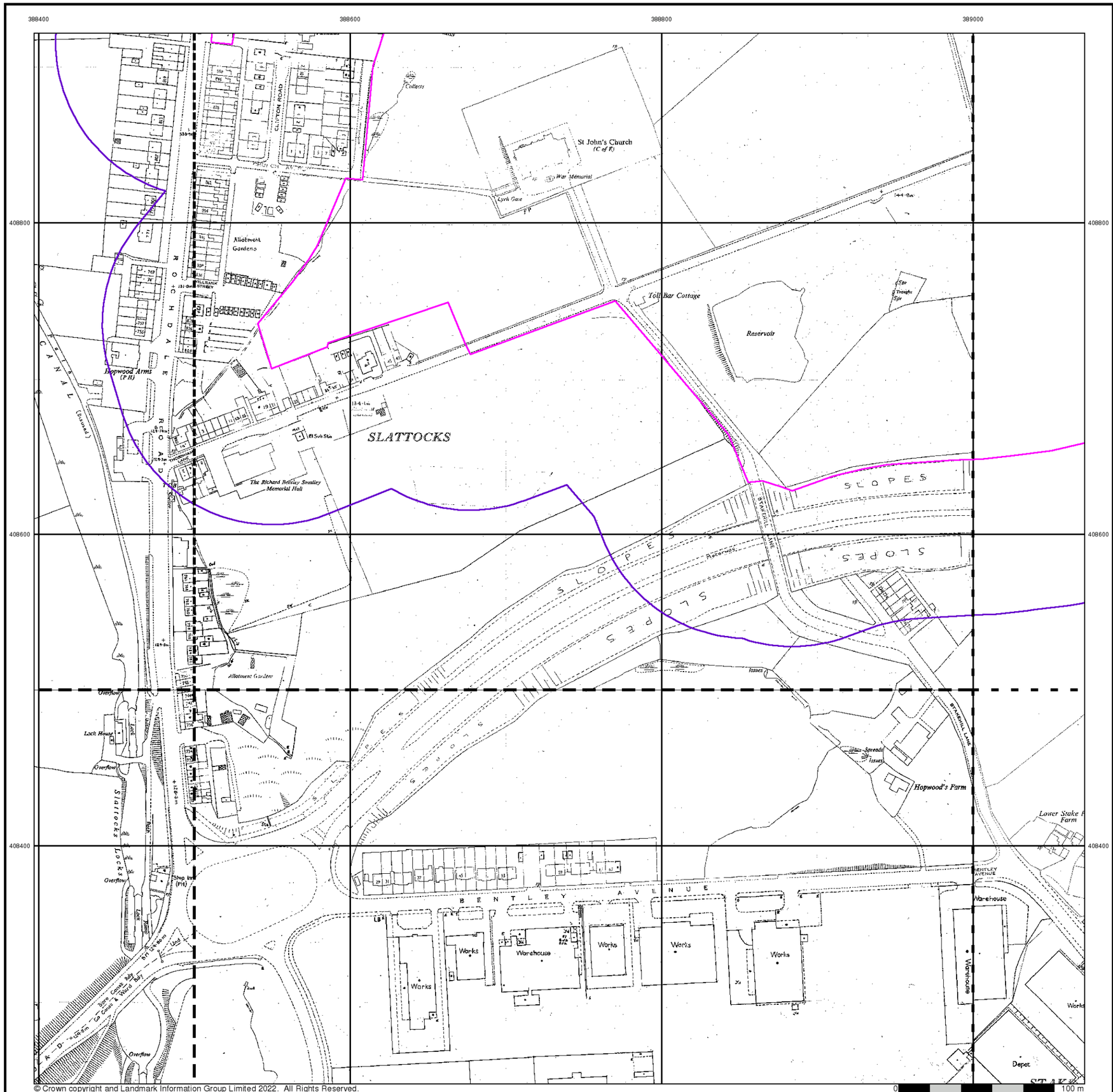


Order Details

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National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

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Additional SIMs

Published 1978 - 1984

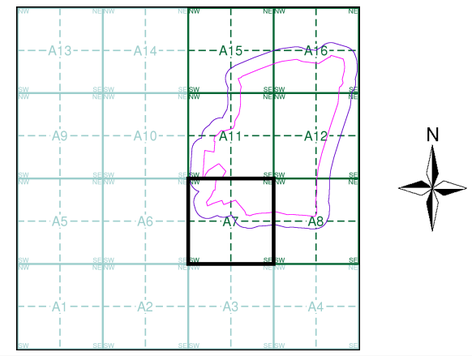
Source map scale - 1:1,250

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)

SD8808NW 1984 1:1,250	SD8808NE 1978 1:1,250	
SD8808SW 1984 1:1,250	SD8808SE 1978 1:1,250	SD8908SW 1978 1:1,250

Historical Map - Segment A7



Order Details

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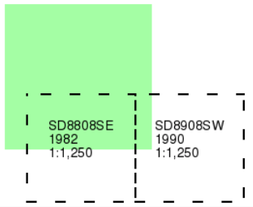
Additional SIMs

Published 1982 - 1990

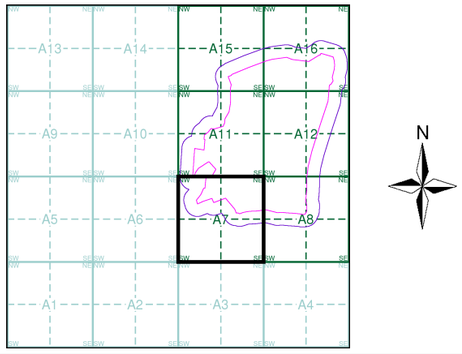
Source map scale - 1:1,250

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 A7



Order Details

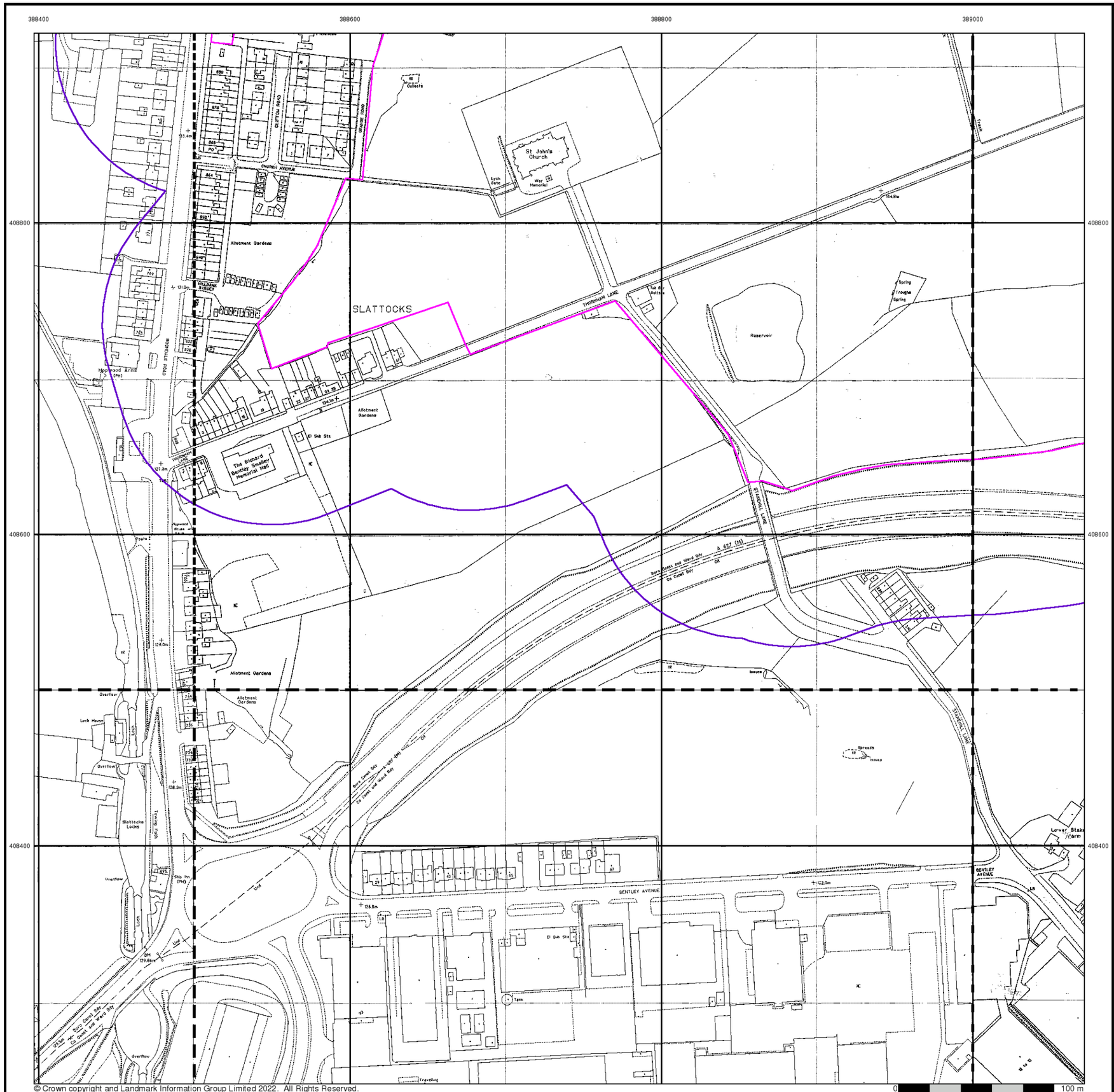
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Customer Ref:	322974
National Grid Reference:	388720, 408980
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Large-Scale National Grid Data

Published 1992

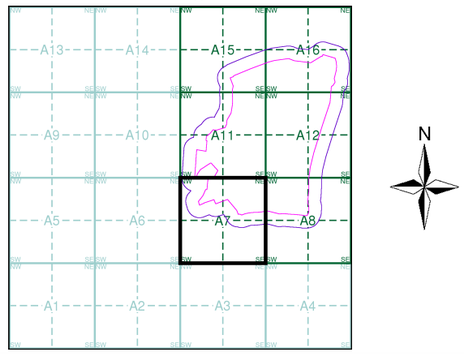
Source map scale - 1:1,250

'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)

SD8808NW 1992 1:1,250	SD8808NE 1992 1:1,250	SD8908NW 1992 1:1,250
SD8808SW 1992 1:1,250	SD8808SE 1992 1:1,250	SD8908SW 1992 1:1,250

Historical Map - Segment A7



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
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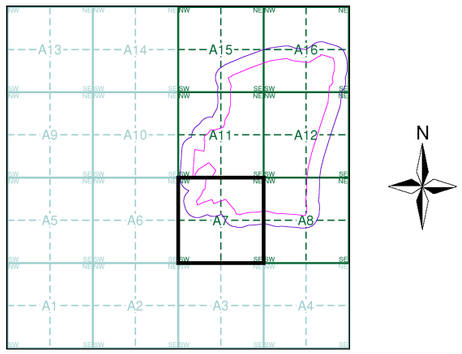
RSK

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 A7



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

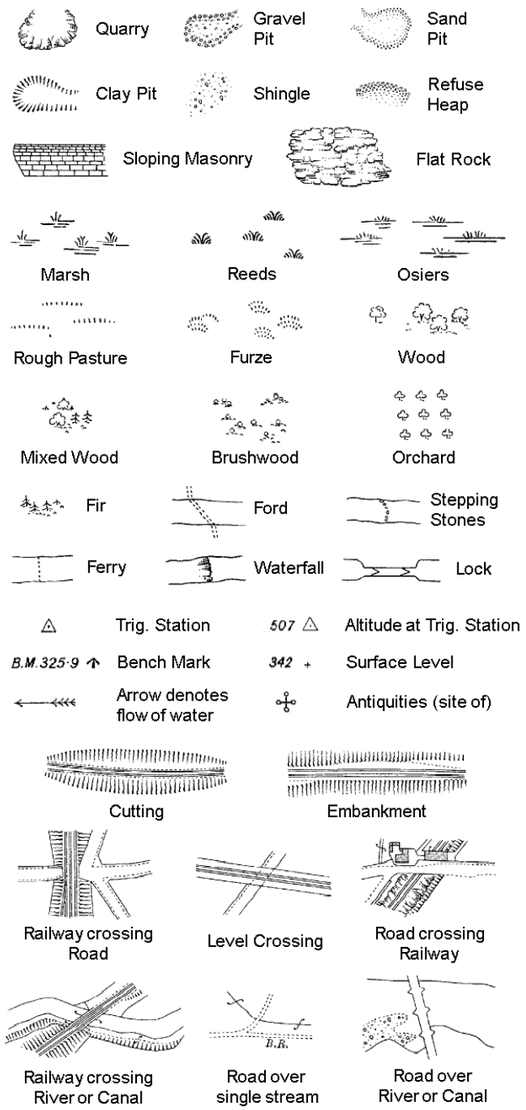
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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

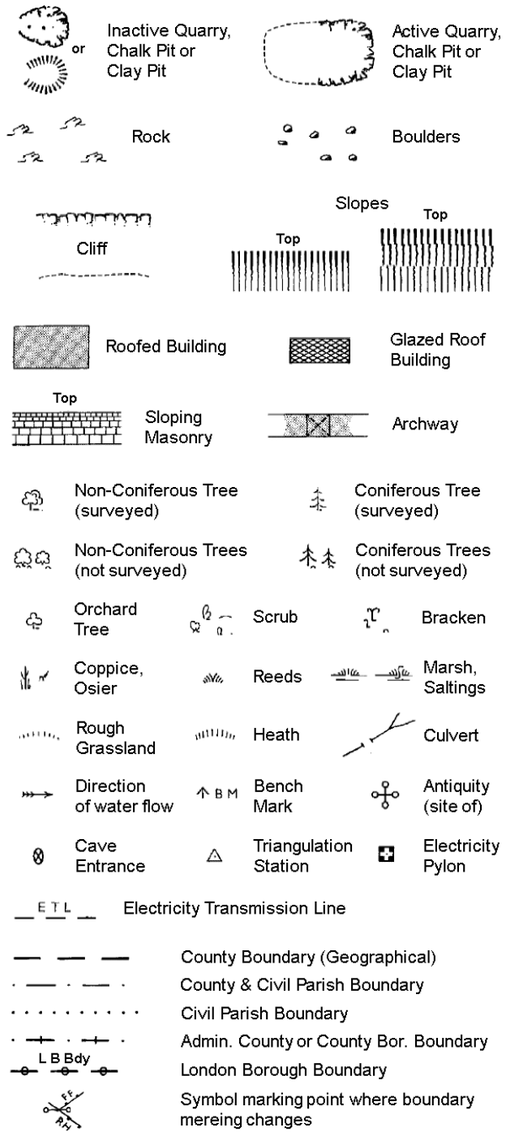
Administrative County & Civil Parish Boundary

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

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

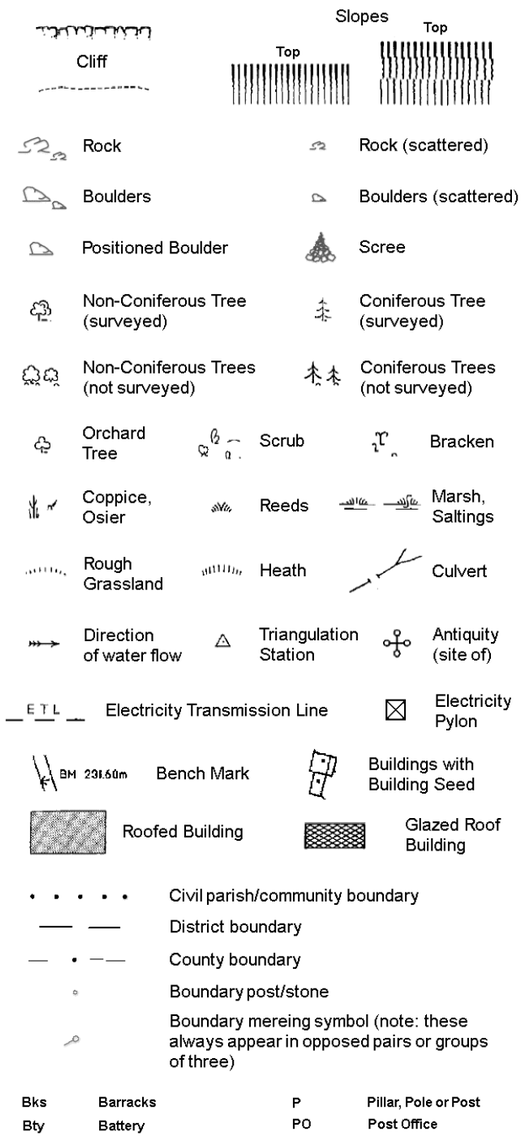
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

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

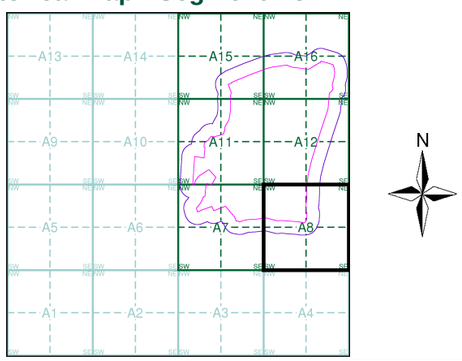
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1909 - 1910	3
Lancashire And Furness	1:2,500	1929 - 1930	4
Lancashire And Furness	1:2,500	1937 - 1939	5
Ordnance Survey Plan	1:1,250	1954	6
Ordnance Survey Plan	1:2,500	1955	7
Supply of Unpublished Survey Information	1:1,250	1975 - 1976	8
Supply of Unpublished Survey Information	1:1,250	1977	9
Ordnance Survey Plan	1:1,250	1978	10
Additional SIMs	1:1,250	1978	11
Additional SIMs	1:1,250	1990	12
Large-Scale National Grid Data	1:1,250	1992	13
Historical Aerial Photography	1:2,500	2000	14

Historical Map - Segment A8



Order Details

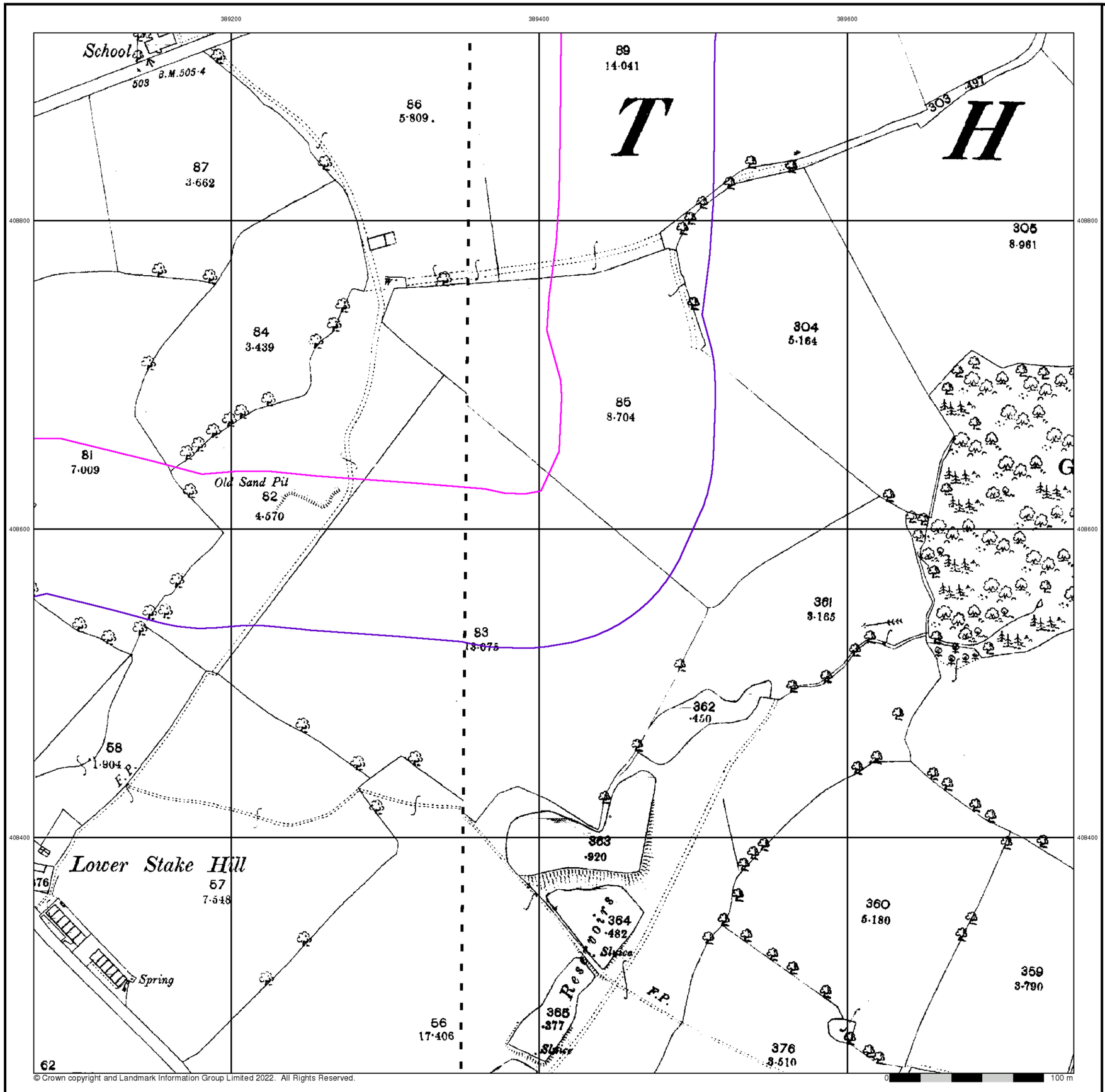
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

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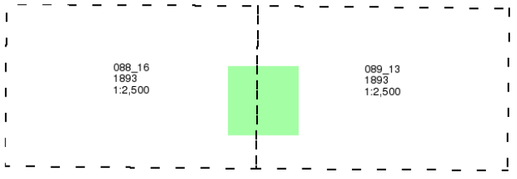
Lancashire And Furness

Published 1893

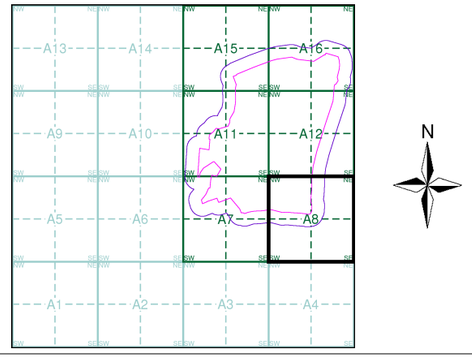
Source map scale - 1:2,500

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 A8



Order Details

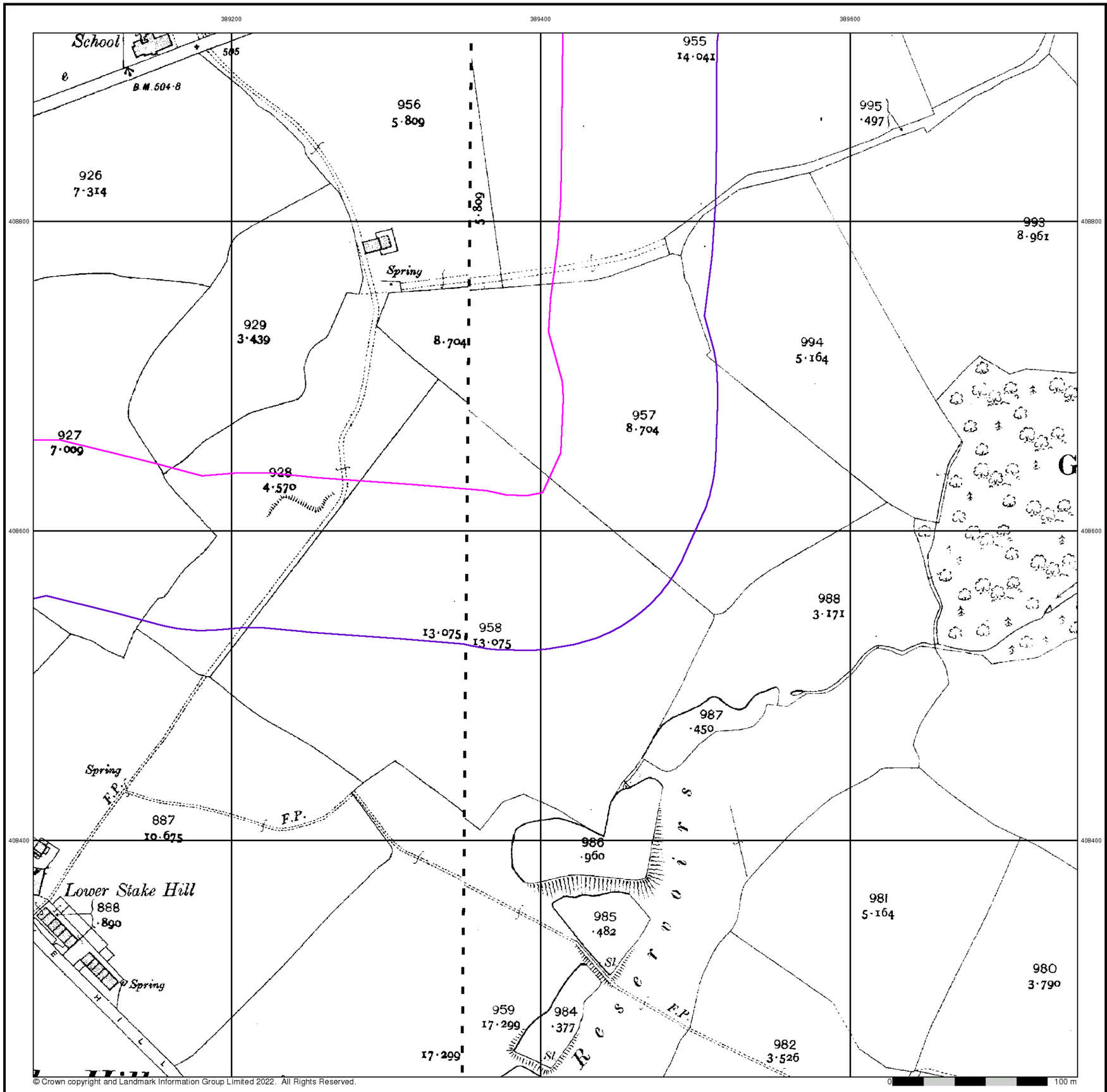
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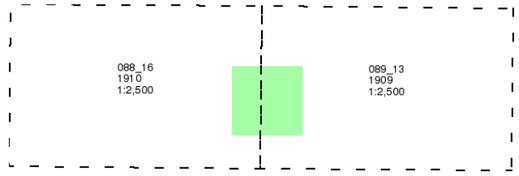
Lancashire And Furness

Published 1909 - 1910

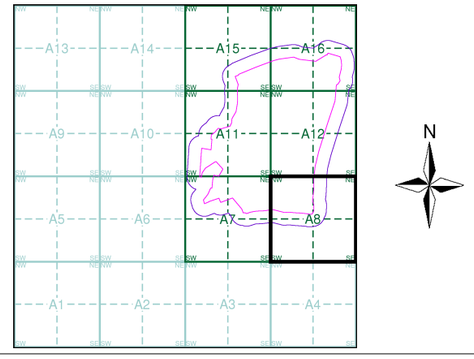
Source map scale - 1:2,500

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 A8



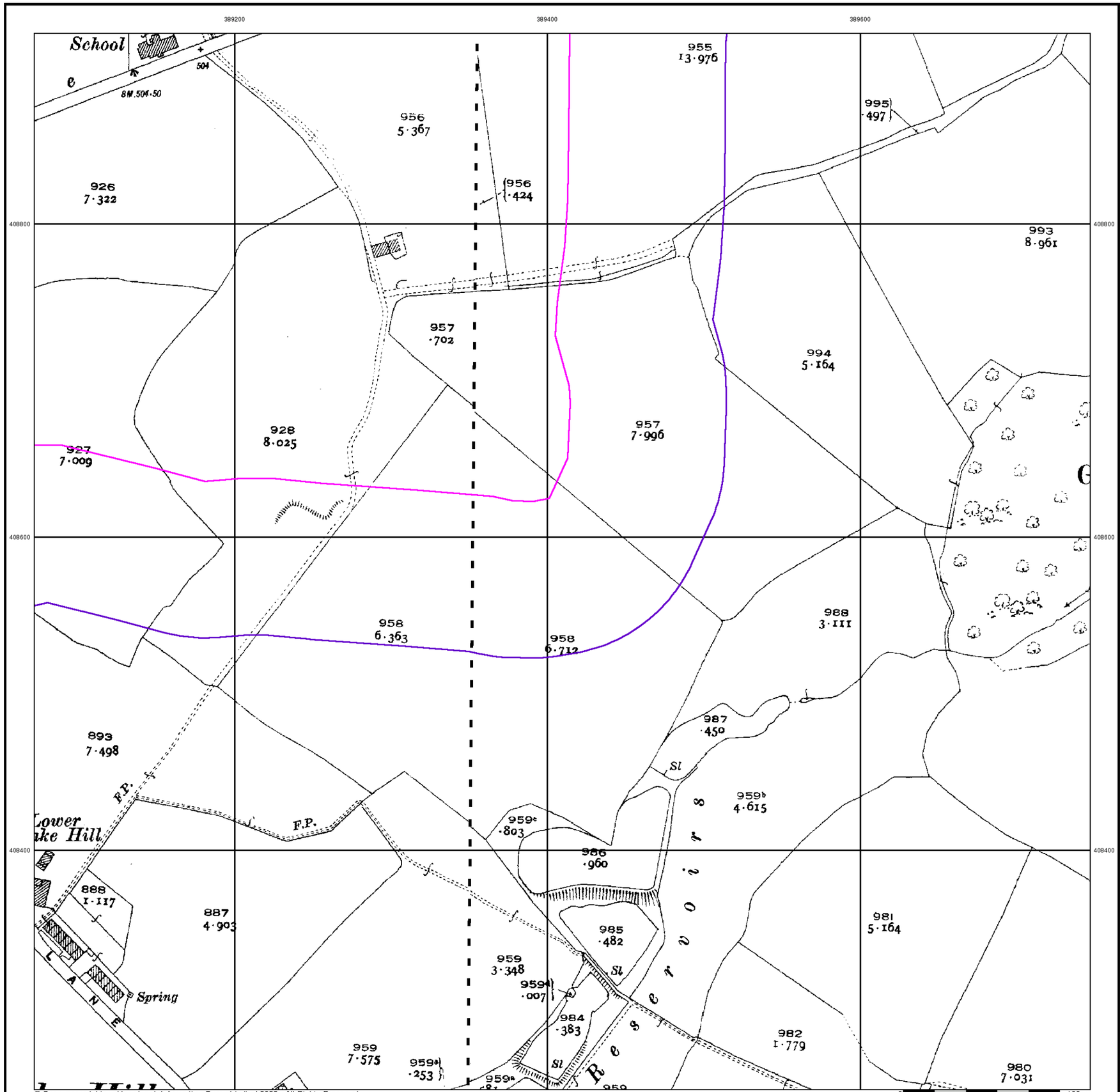
Order Details

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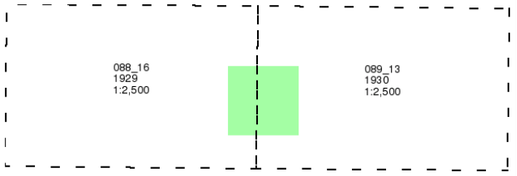
Lancashire And Furness

Published 1929 - 1930

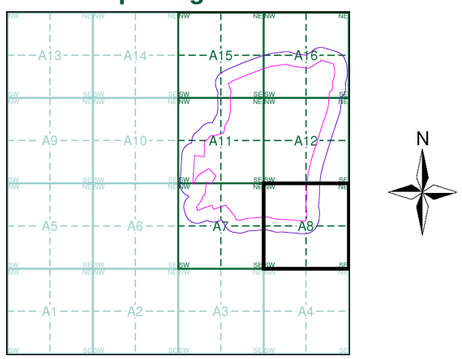
Source map scale - 1:2,500

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 A8



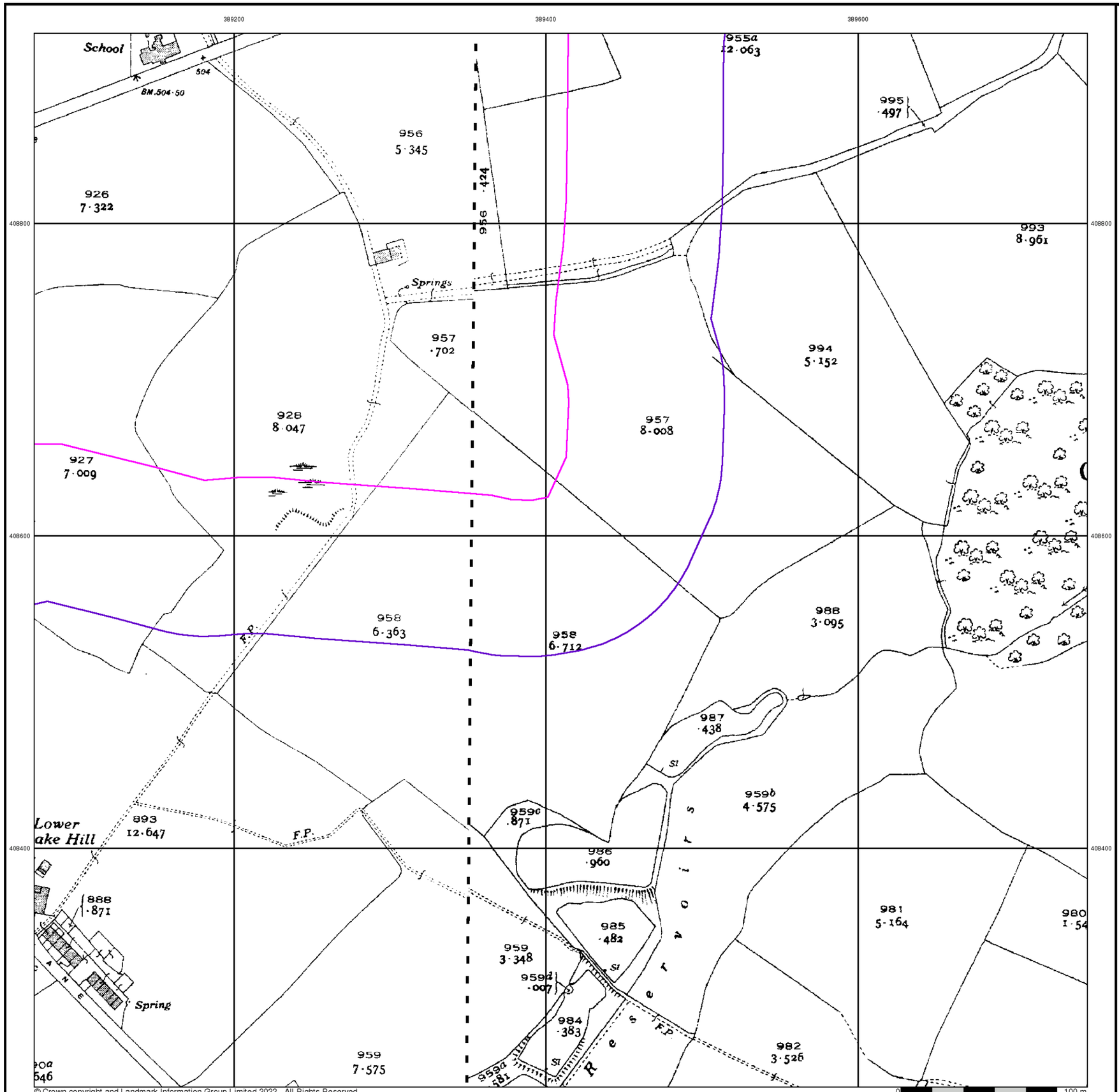
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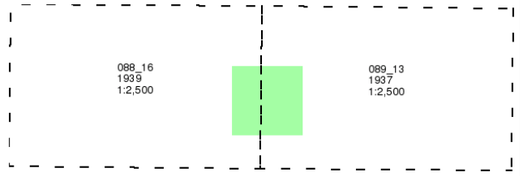
Lancashire And Furness

Published 1937 - 1939

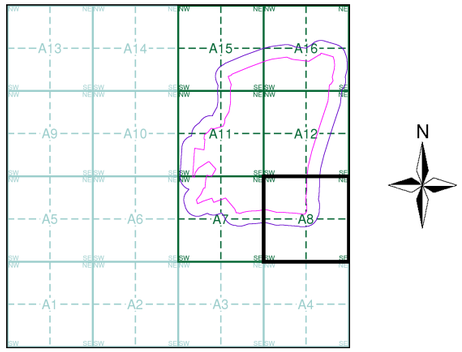
Source map scale - 1:2,500

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 A8



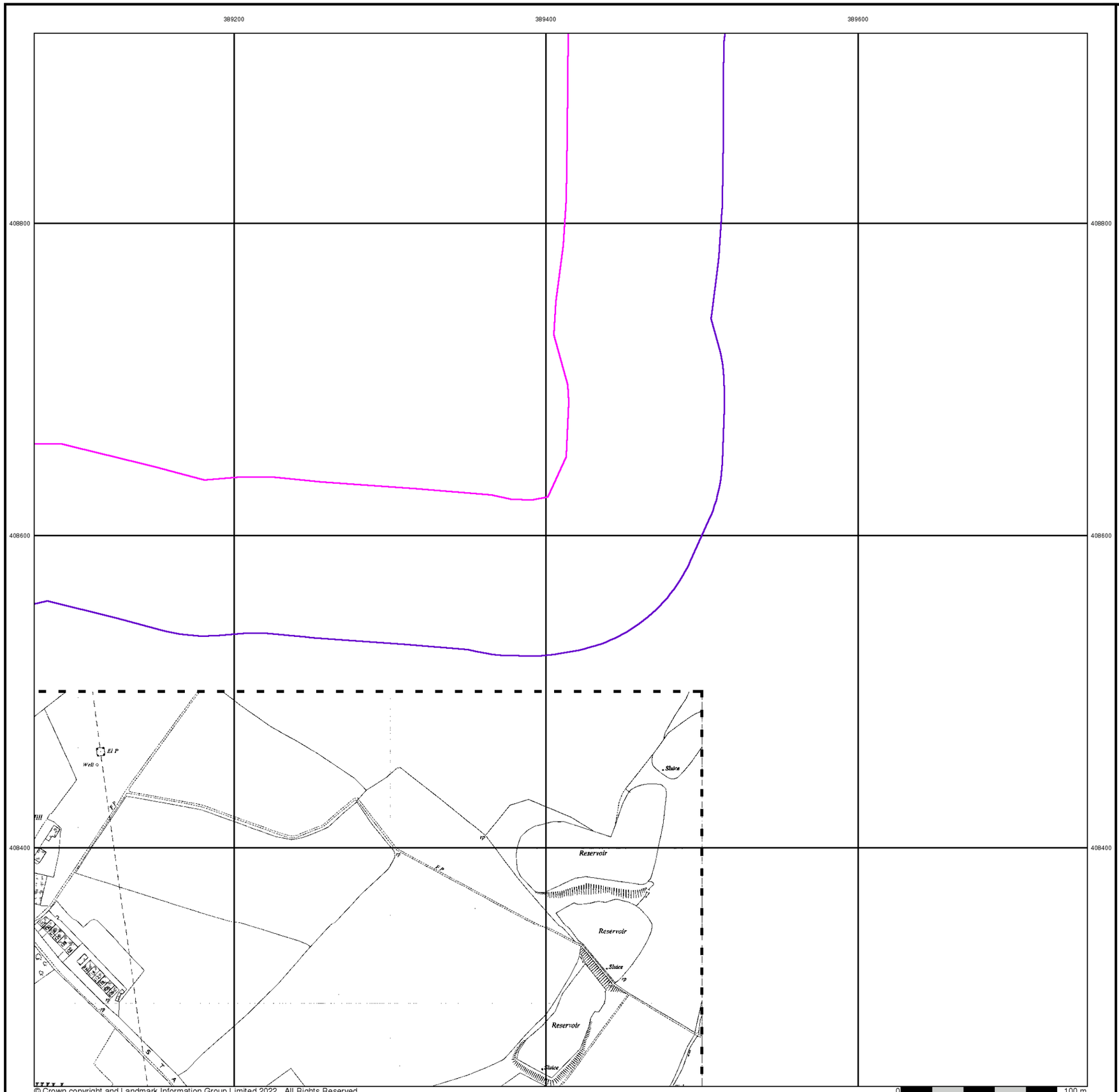
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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0 100 m

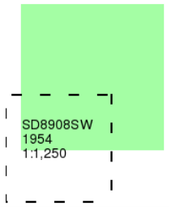
Ordnance Survey Plan

Published 1954

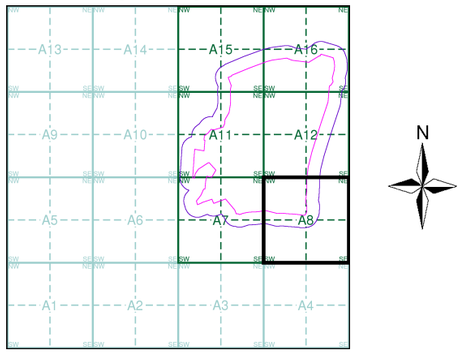
Source map scale - 1:1,250

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 A8



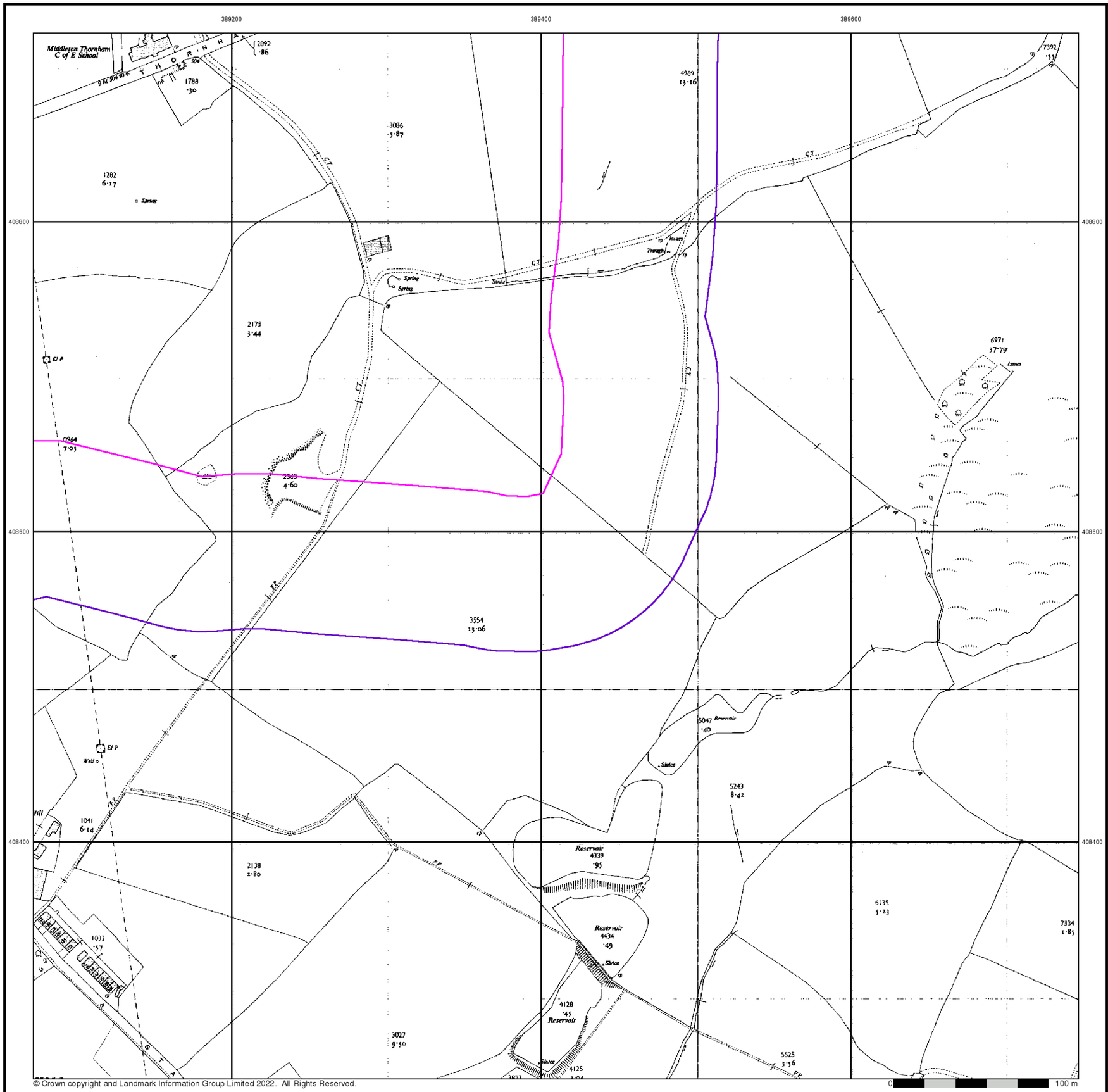
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
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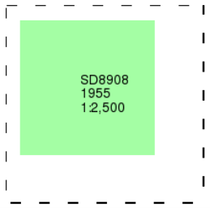
Ordnance Survey Plan

Published 1955

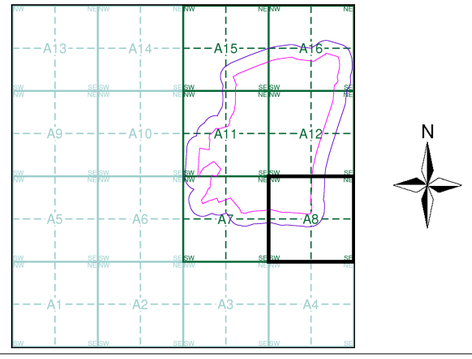
Source map scale - 1:2,500

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 A8



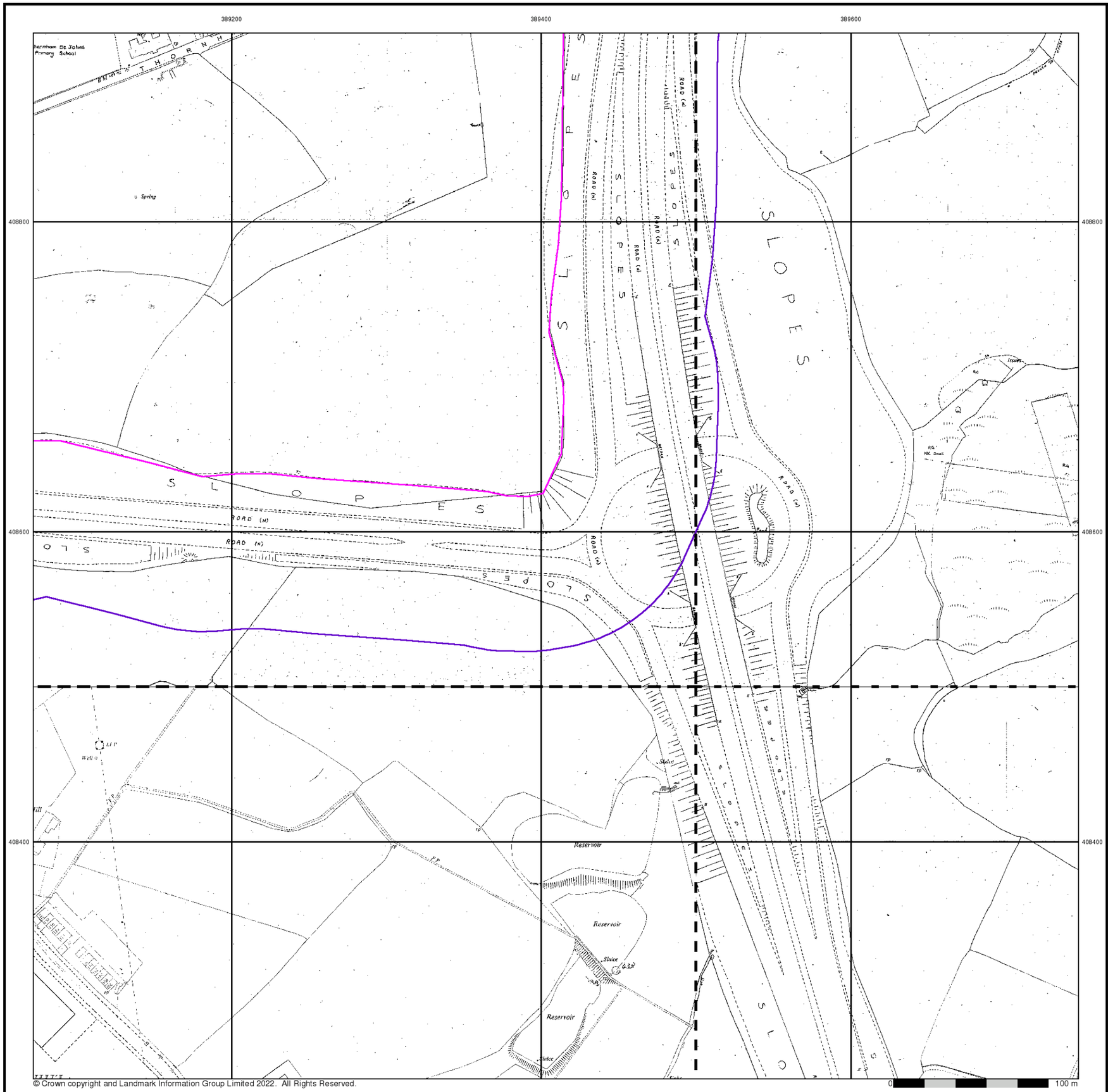
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
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Supply of Unpublished Survey Information

Published 1975 - 1976

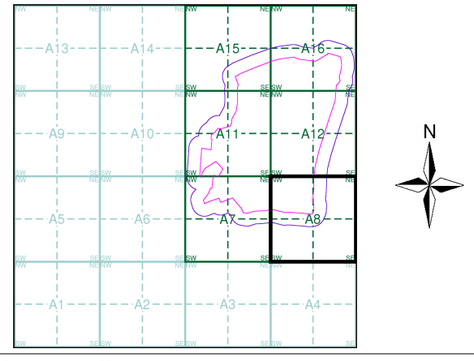
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD8908NW 1976 1:1,250	SD8908NE 1976 1:1,250
SD8908SW 1975 1:1,250	SD8908SE 1976 1:1,250

Historical Map - Segment A8



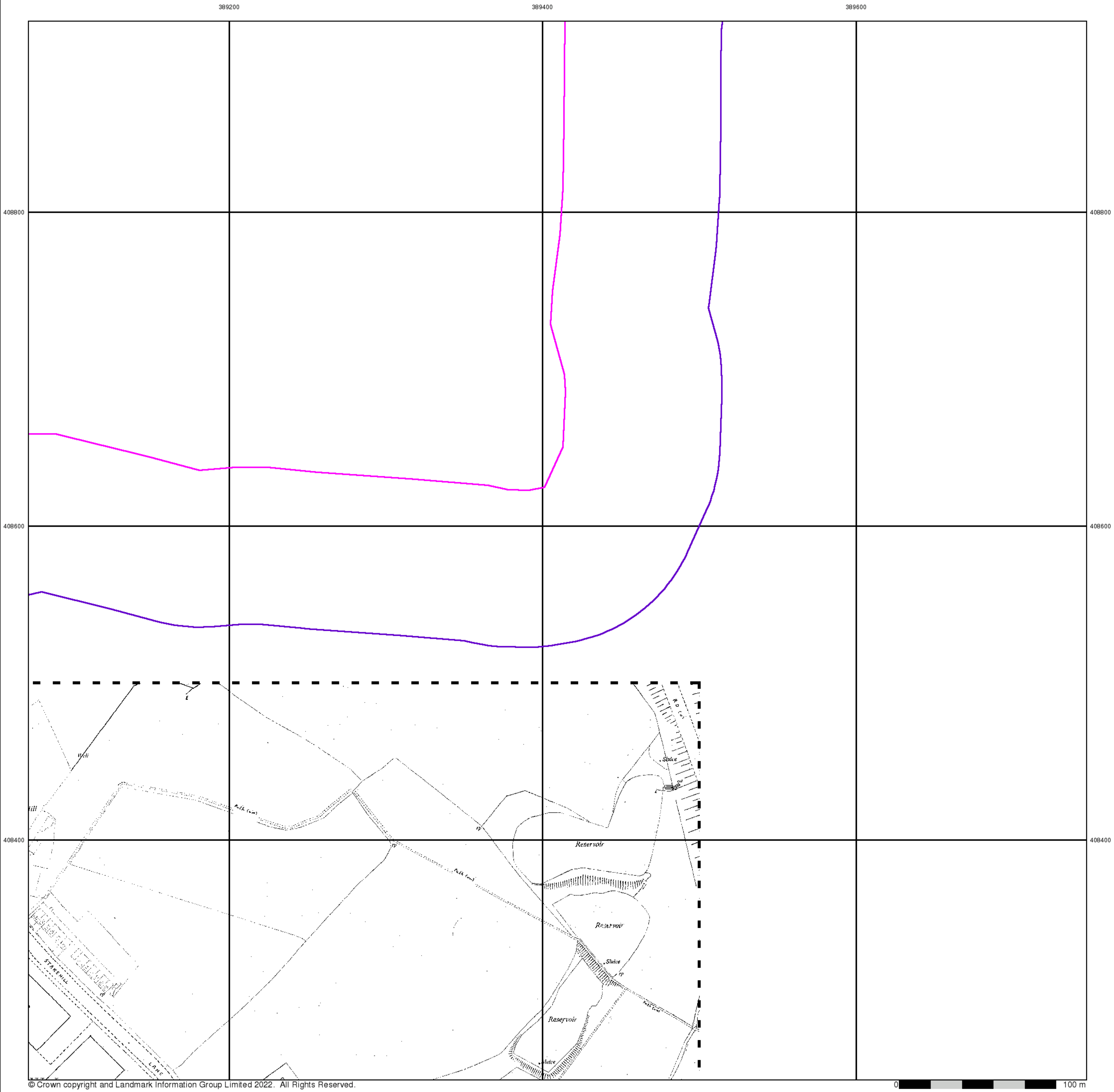
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
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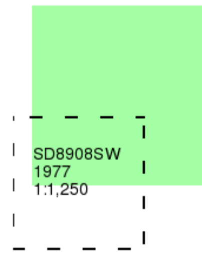
Supply of Unpublished Survey Information

Published 1977

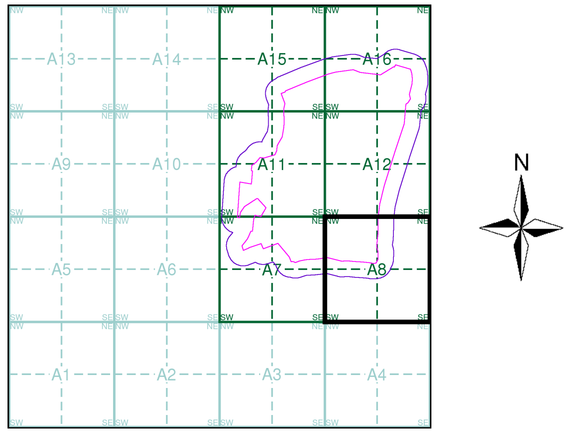
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A8



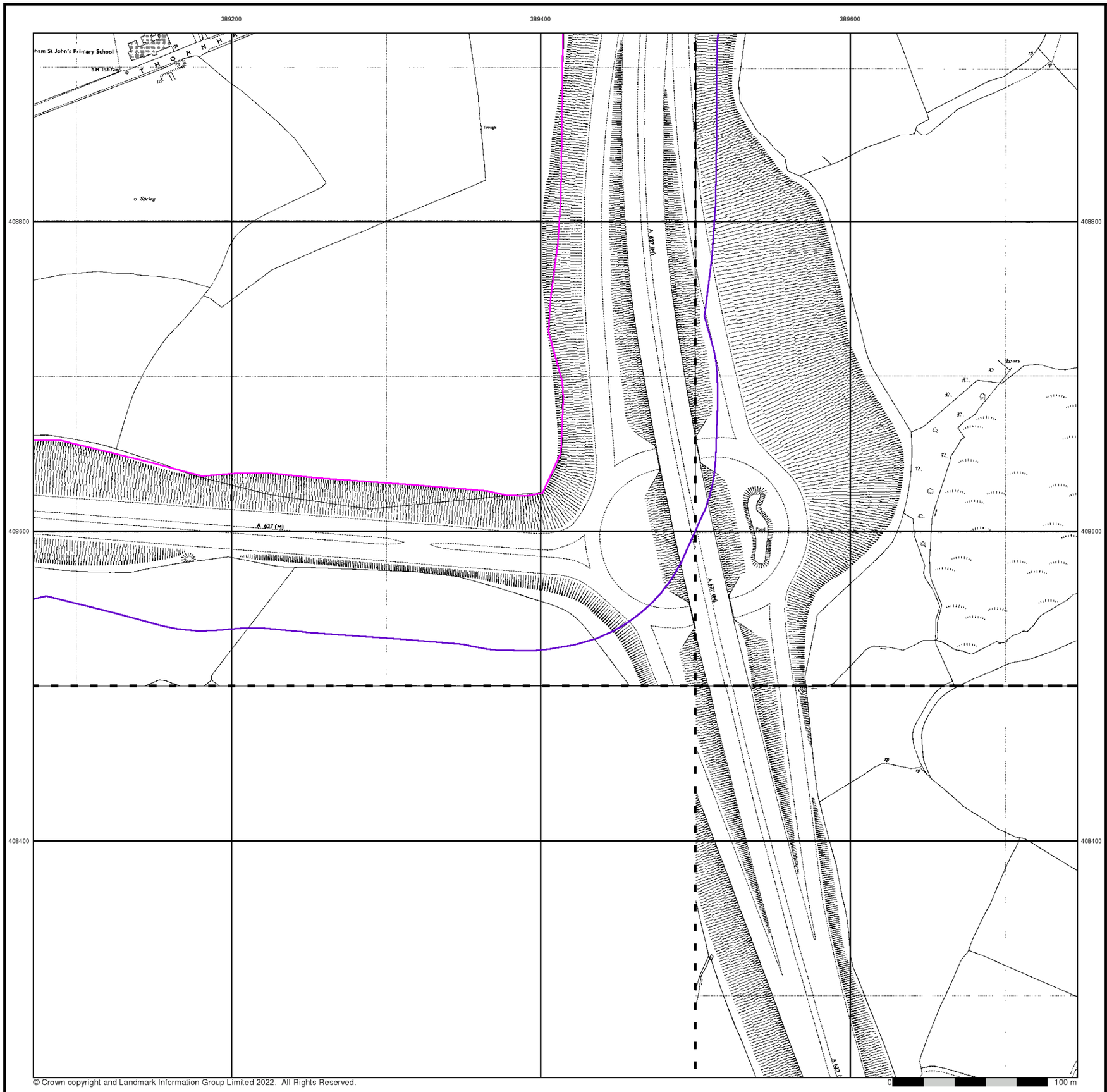
Order Details

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Customer Ref: 322974
National Grid Reference: 388720, 408980
Slice: A
Site Area (Ha): 95.3
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1978

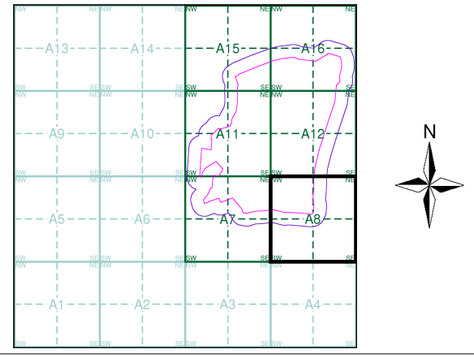
Source map scale - 1:1,250

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)

SD8908NW 1978 1:1,250
SD8908NE 1978 1:1,250
SD8908SE 1978 1:1,250

Historical Map - Segment A8



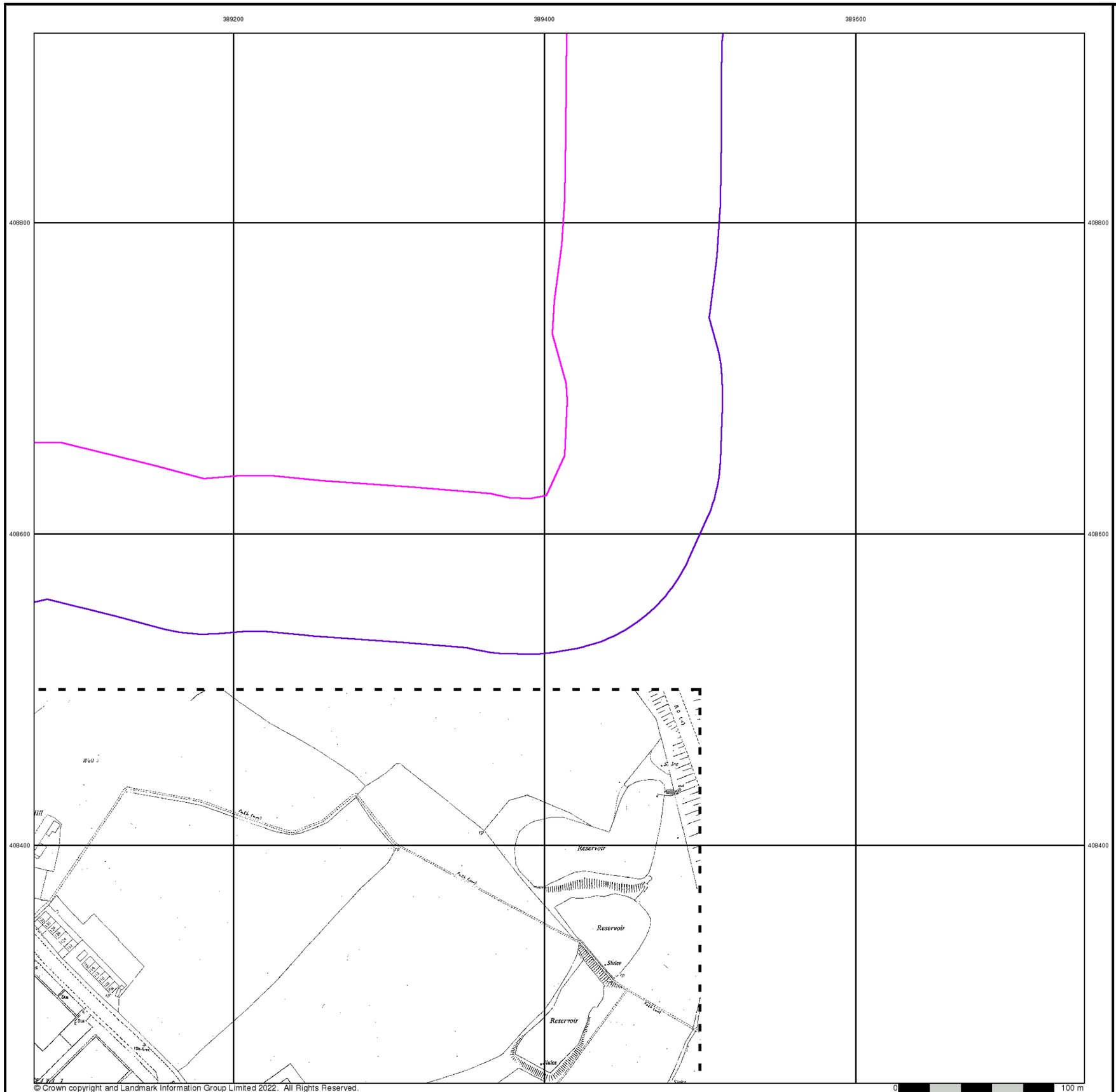
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

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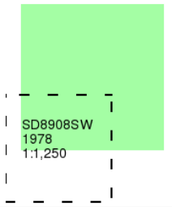
Additional SIMs

Published 1978

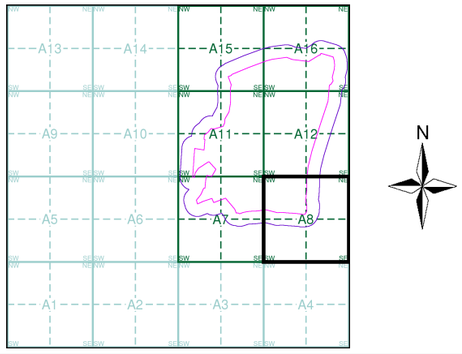
Source map scale - 1:1,250

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 A8



Order Details

Order Number:	300522833_1_1
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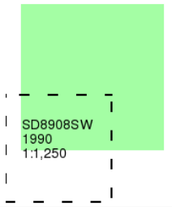
Additional SIMs

Published 1990

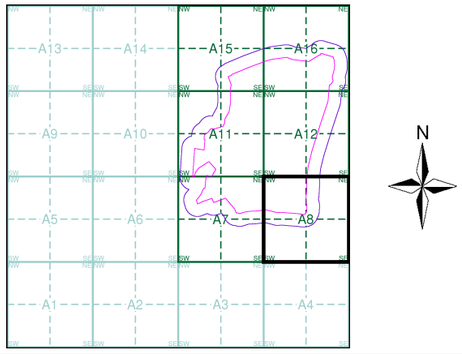
Source map scale - 1:1,250

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 A8



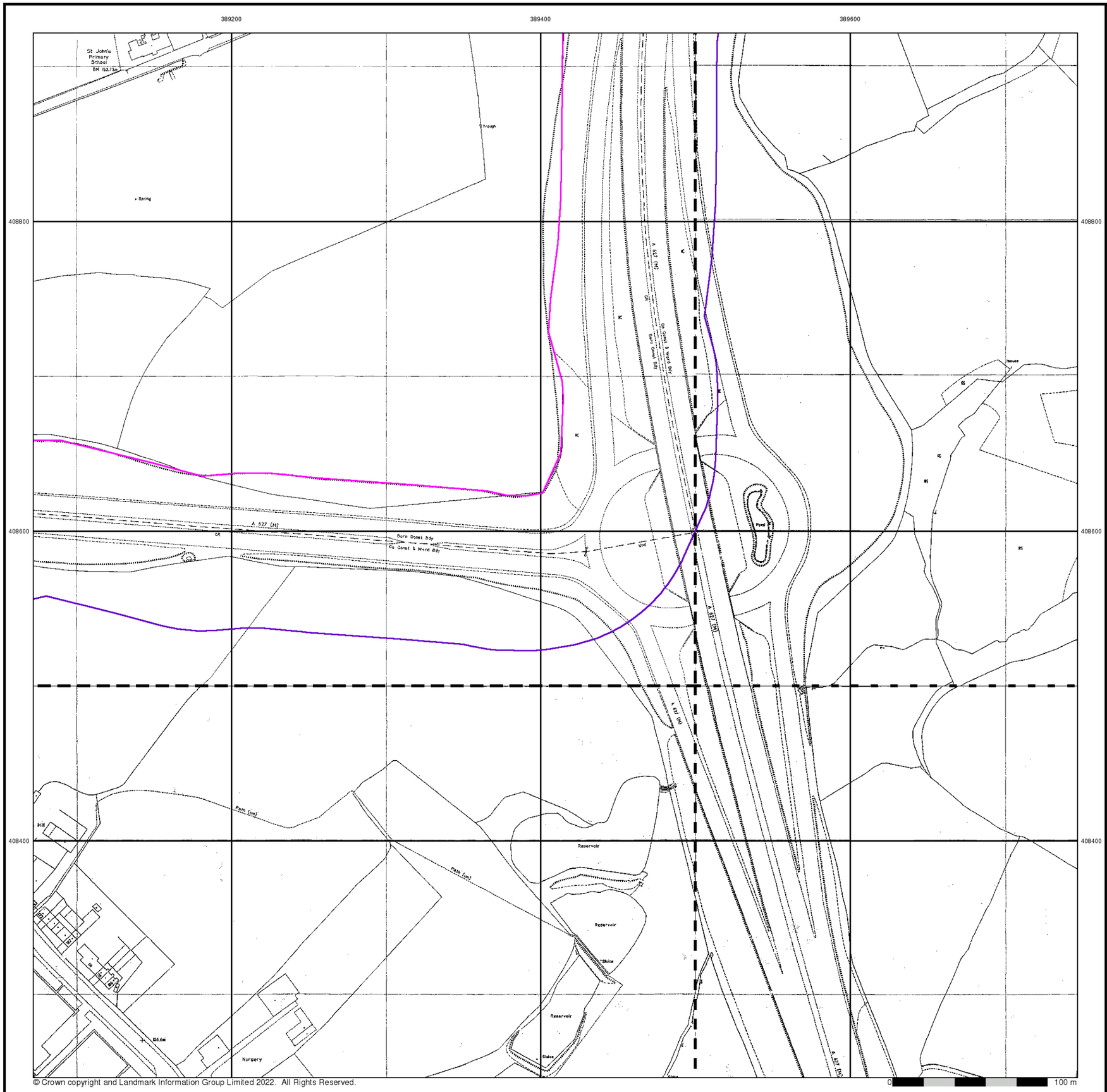
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

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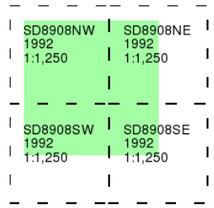
Large-Scale National Grid Data

Published 1992

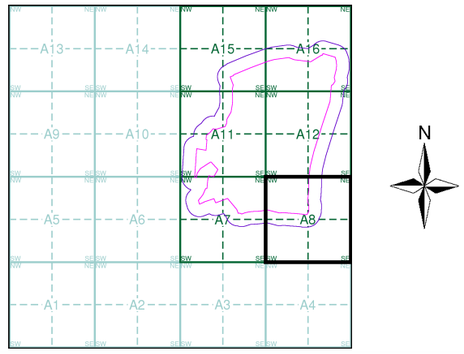
Source map scale - 1:1,250

'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 A8



Order Details

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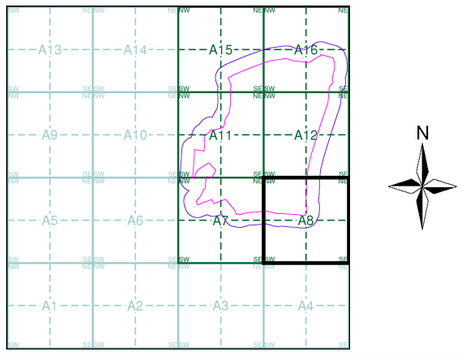


Historical Aerial Photography

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 A8



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

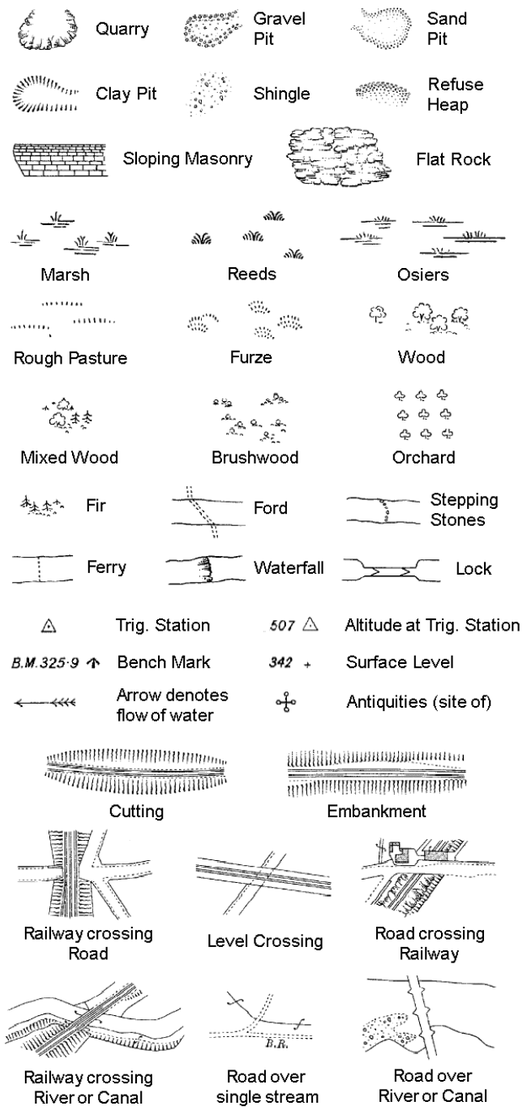
Site Details

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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

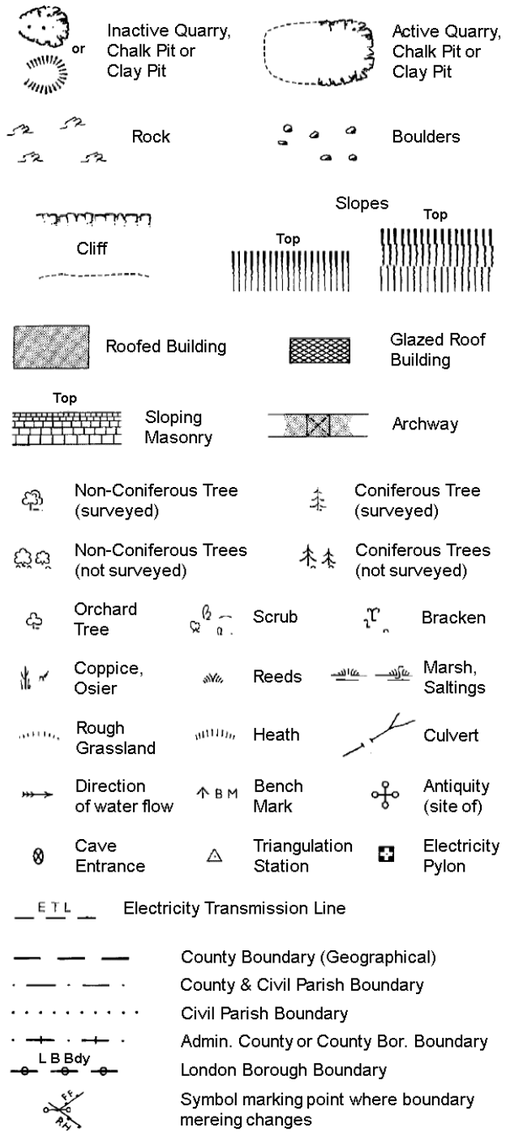
Administrative County & Civil Parish Boundary

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

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

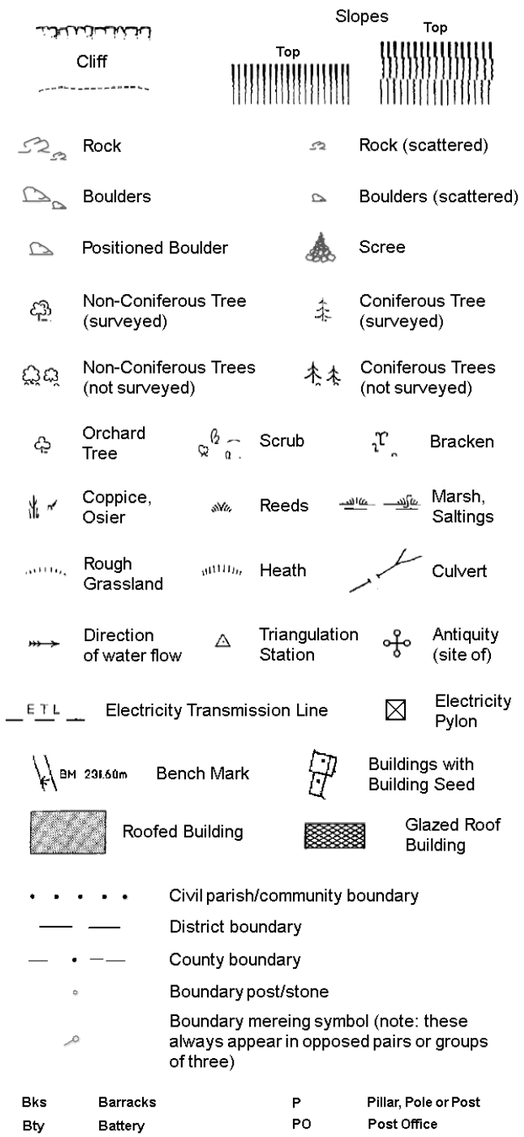
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

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

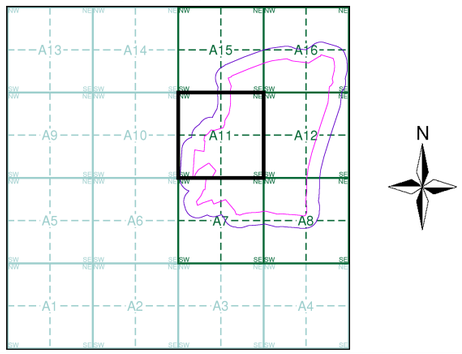
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1929	4
Lancashire And Furness	1:2,500	1937 - 1939	5
Ordnance Survey Plan	1:1,250	1954 - 1956	6
Ordnance Survey Plan	1:2,500	1955 - 1956	7
Supply of Unpublished Survey Information	1:1,250	1975 - 1977	8
Supply of Unpublished Survey Information	1:1,250	1975	9
Supply of Unpublished Survey Information	1:1,250	1976	10
Ordnance Survey Plan	1:1,250	1977 - 1981	11
Additional SIMs	1:1,250	1978 - 1992	12
Large-Scale National Grid Data	1:1,250	1992	13
Historical Aerial Photography	1:2,500	2000	14

Historical Map - Segment A11



Order Details

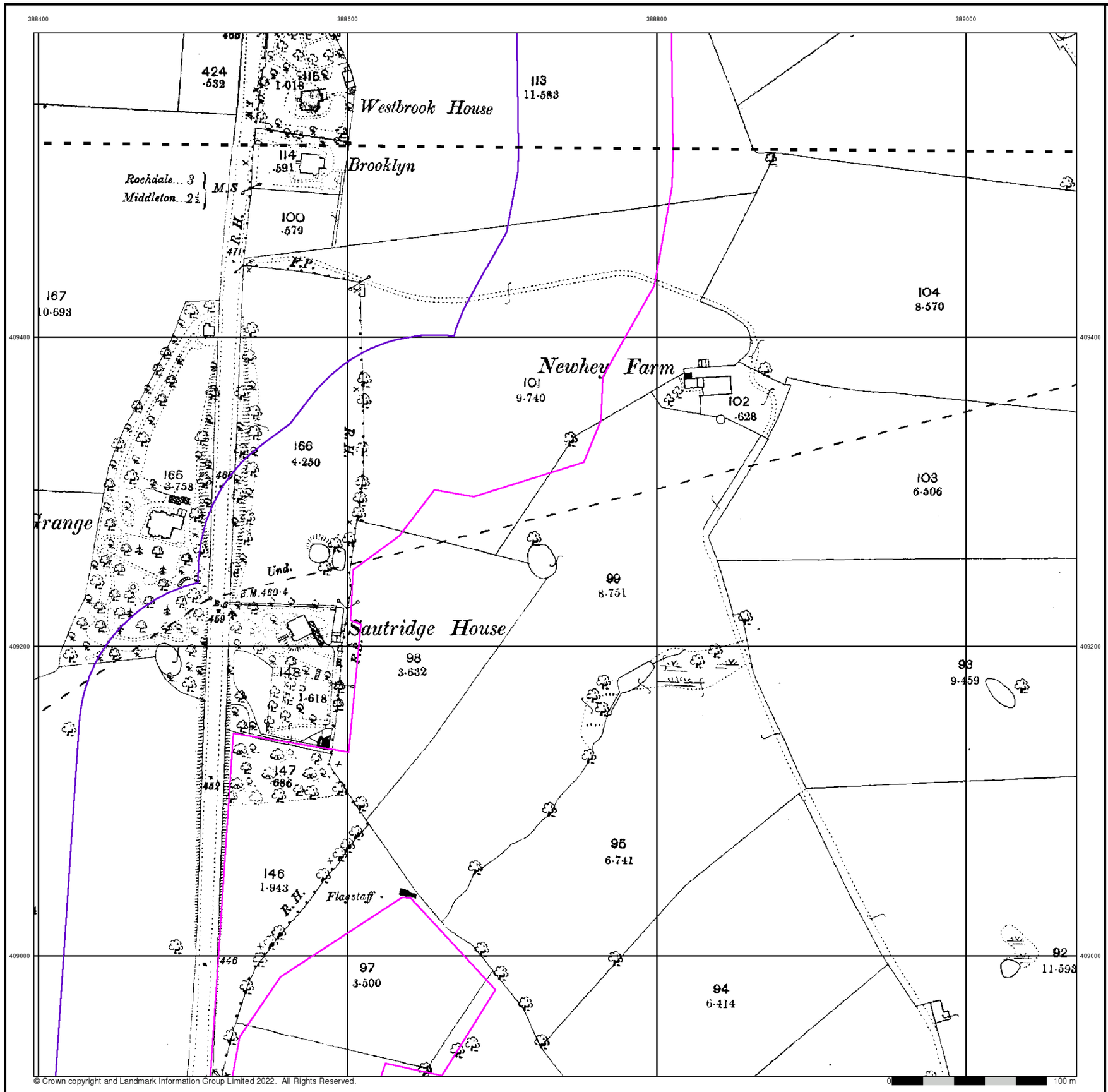
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

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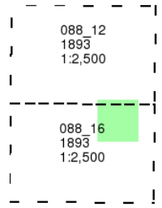
Lancashire And Furness

Published 1893

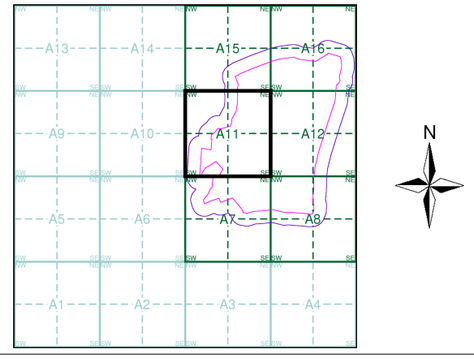
Source map scale - 1:2,500

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 A11



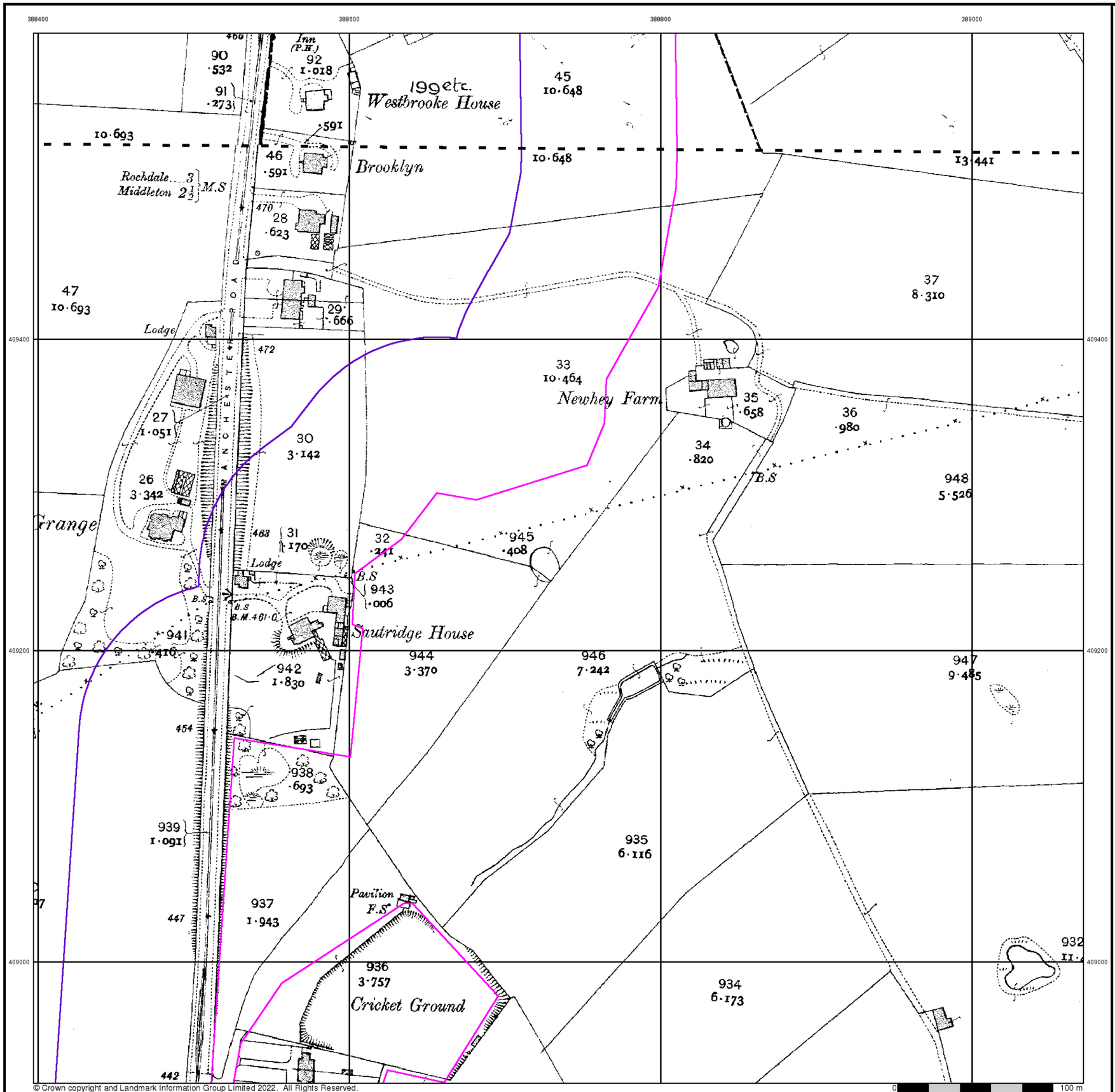
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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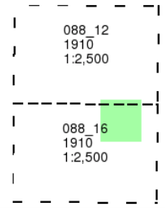
Lancashire And Furness

Published 1910

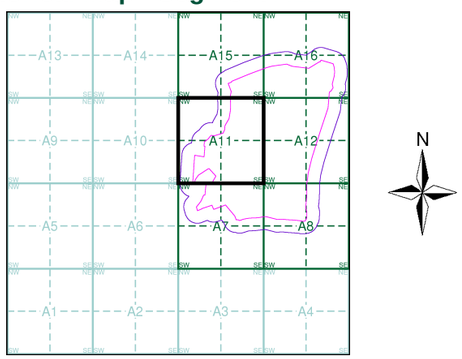
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A11



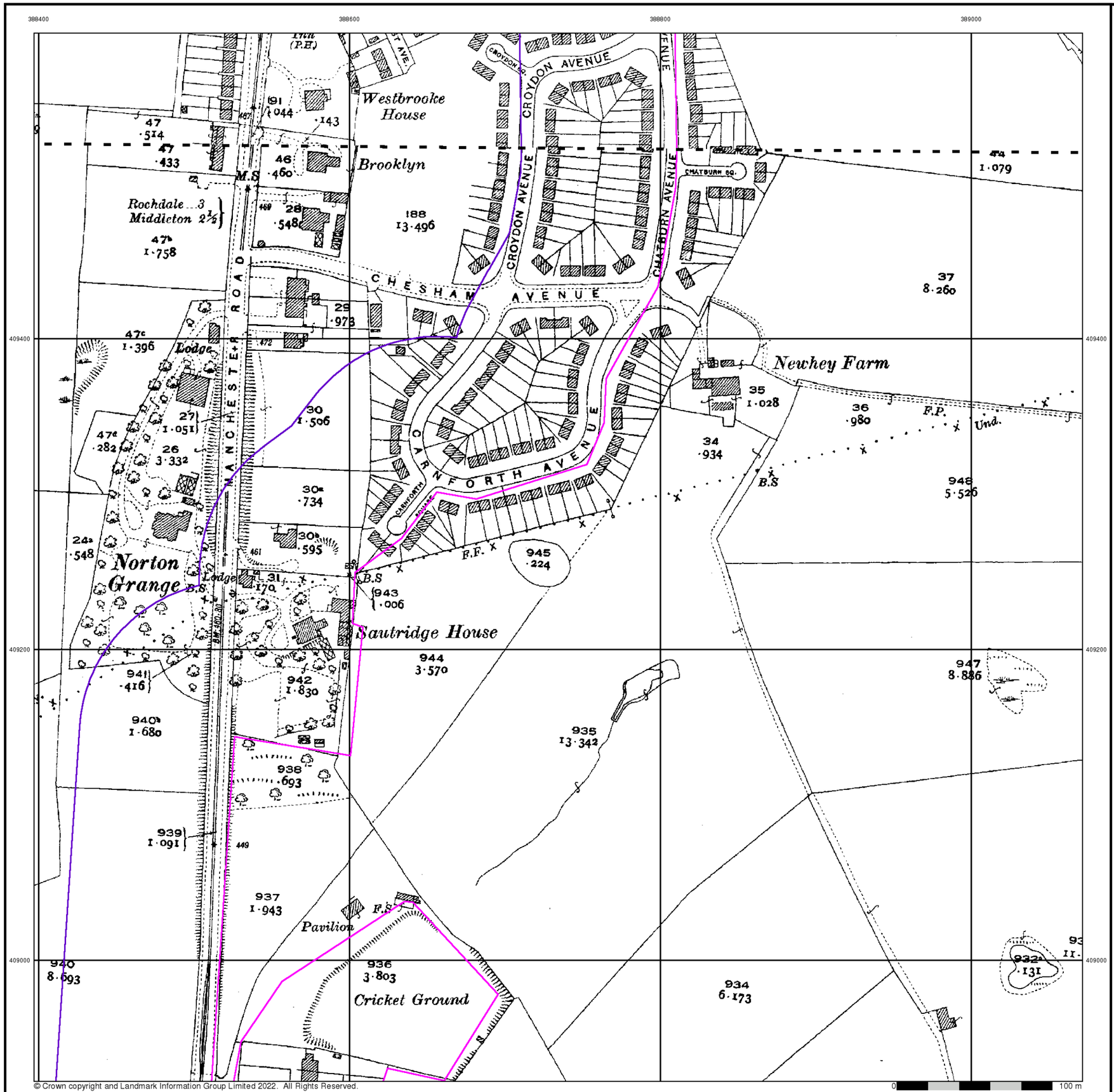
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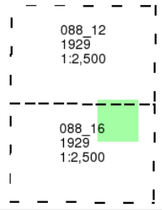
Lancashire And Furness

Published 1929

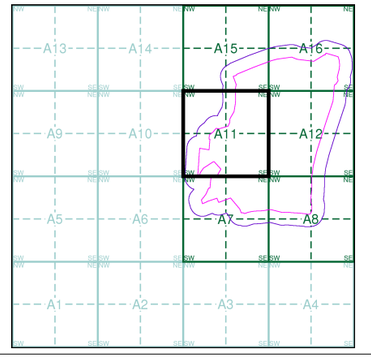
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A11



Order Details

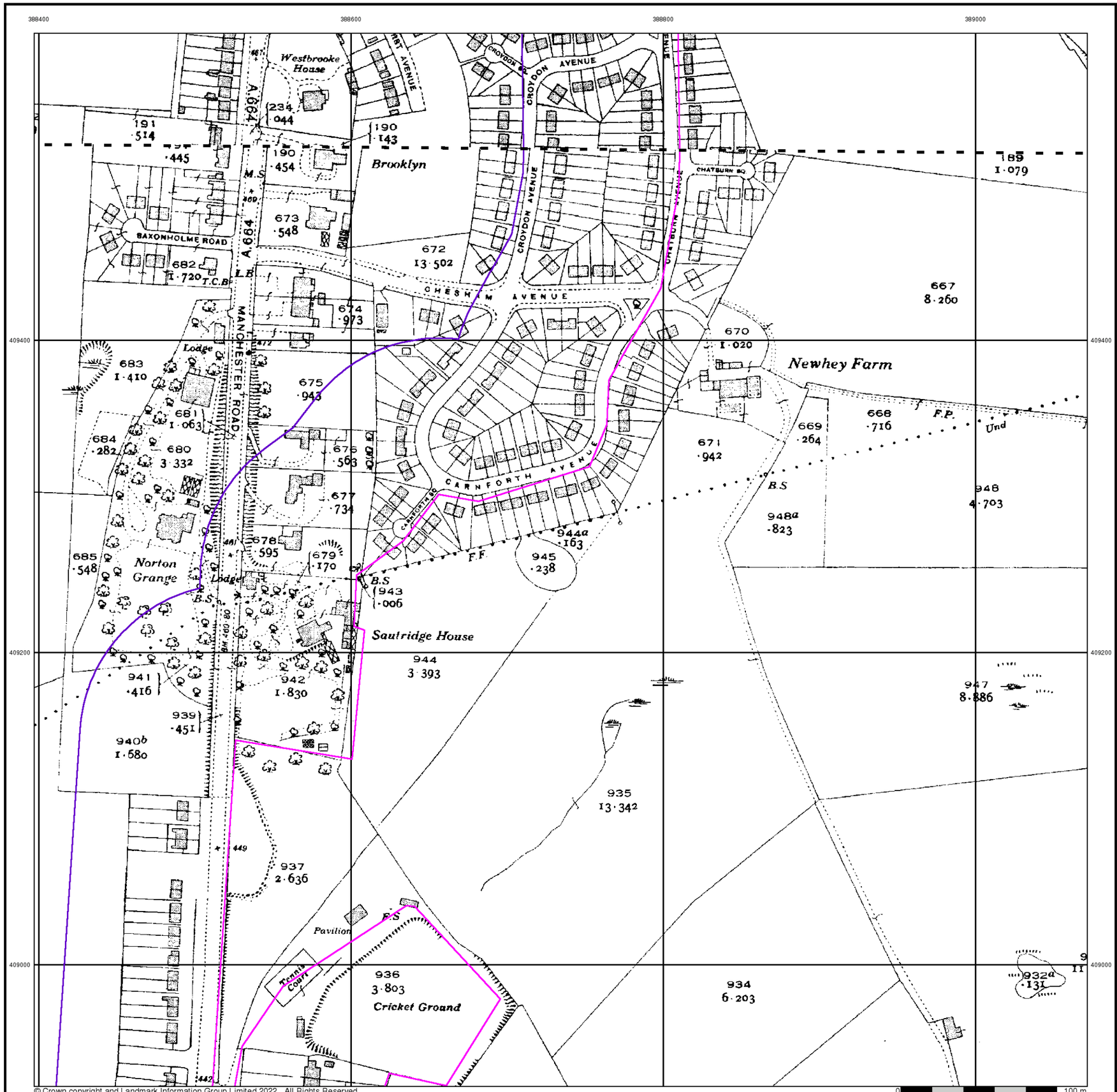
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Customer Ref:	322974
National Grid Reference:	388720, 408980
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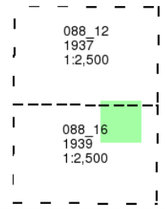
Lancashire And Furness

Published 1937 - 1939

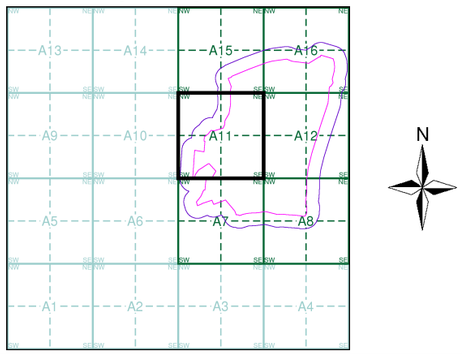
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A11



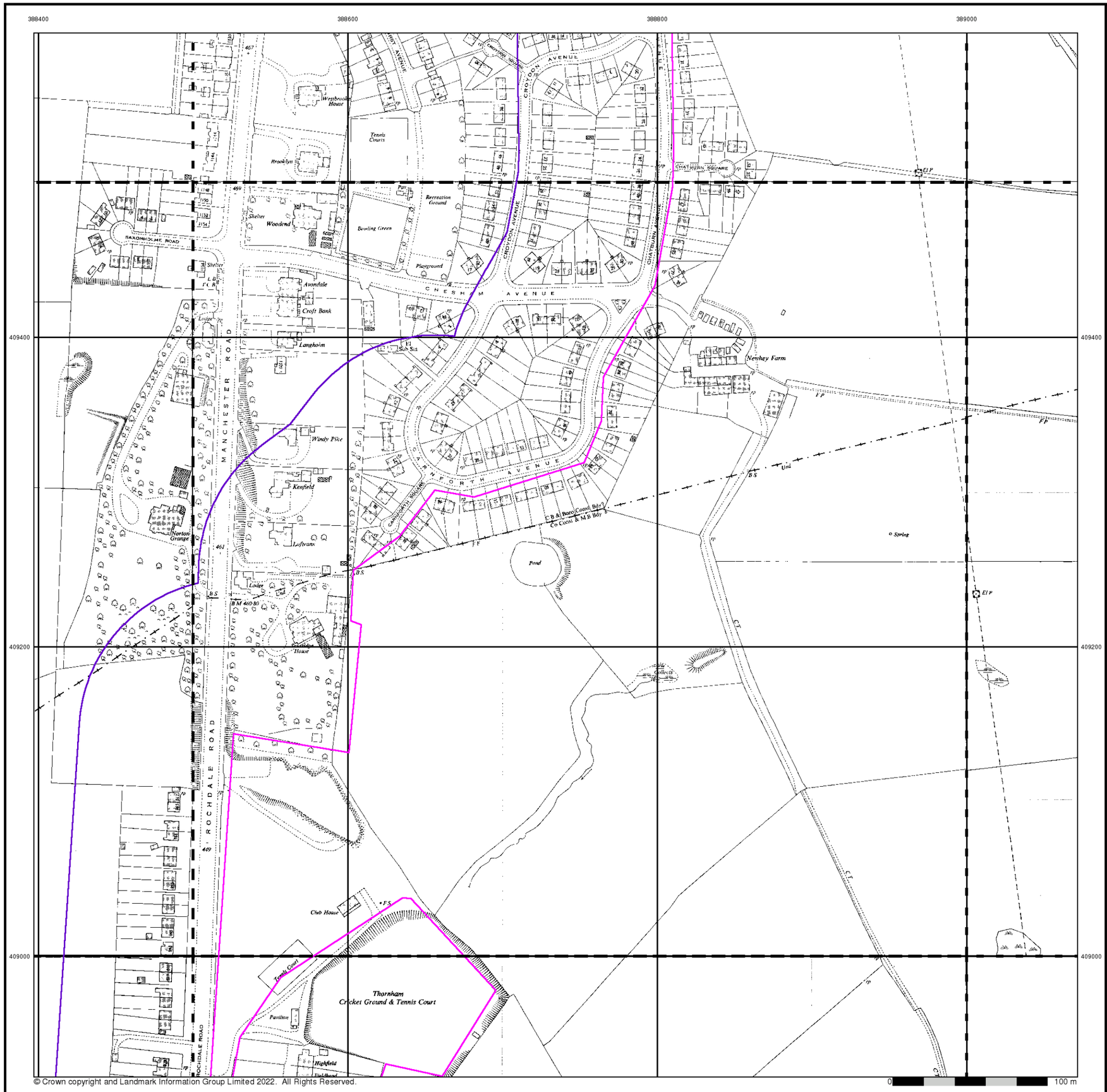
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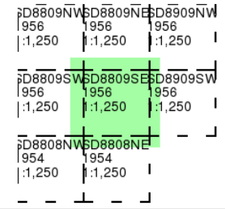
Ordnance Survey Plan

Published 1954 - 1956

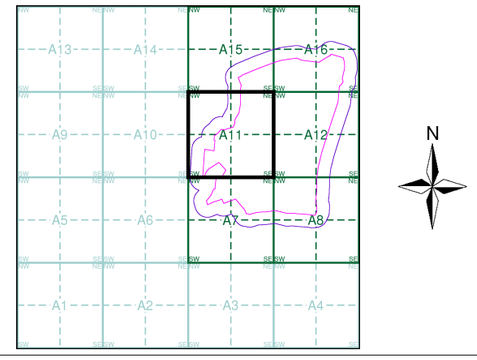
Source map scale - 1:1,250

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 A11



Order Details

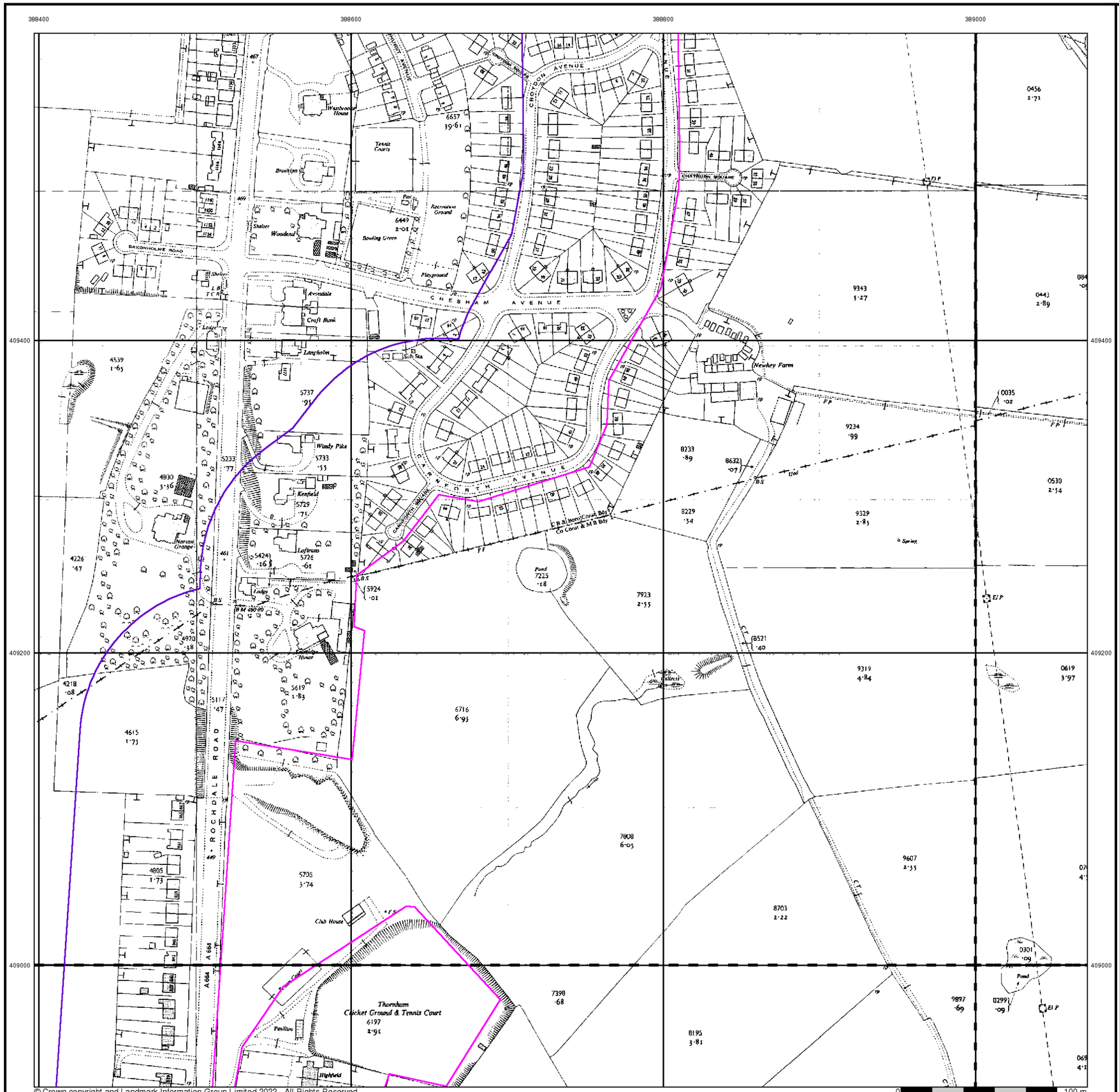
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
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Ordnance Survey Plan

Published 1955 - 1956

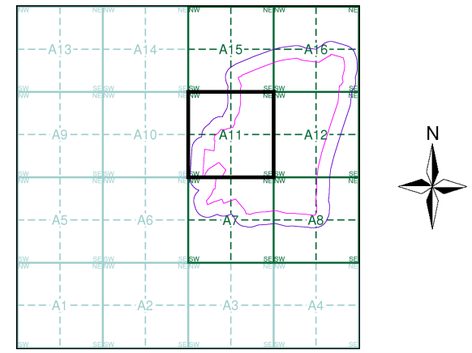
Source map scale - 1:2,500

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Map Name(s) and Date(s)

SD8809 1956 1:2,500	SD8909 1956 1:2,500
SD8808 1955 1:2,500	SD8908 1955 1:2,500

Historical Map - Segment A11



Order Details

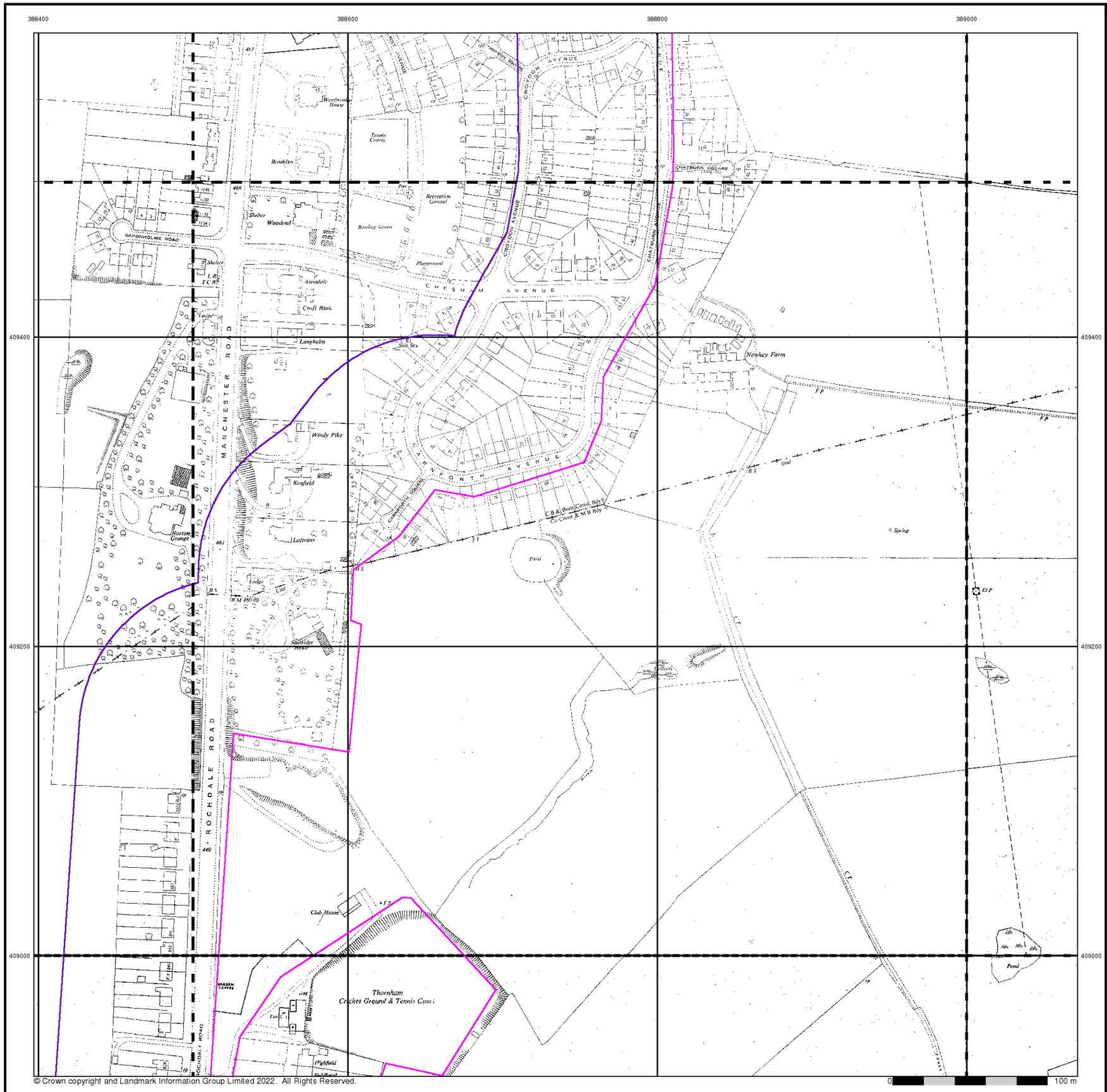
Order Number:	300522833_1_1
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Supply of Unpublished Survey Information

Published 1975 - 1977

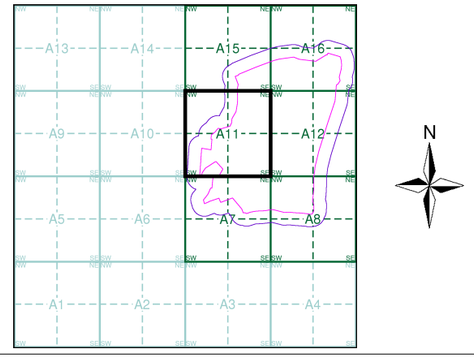
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD8809NW 1975 1:1,250	SD8809NE 1975 1:1,250	
SD8809SW 1975 1:1,250	SD8809SE 1975 1:1,250	SD8909SW 1975 1:1,250
SD8808NW 1975 1:1,250	SD8808NE 1977 1:1,250	SD8908NW 1976 1:1,250

Historical Map - Segment A11



Order Details

Order Number:	300522833_1_1
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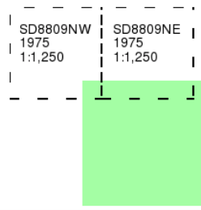
Supply of Unpublished Survey Information

Published 1975

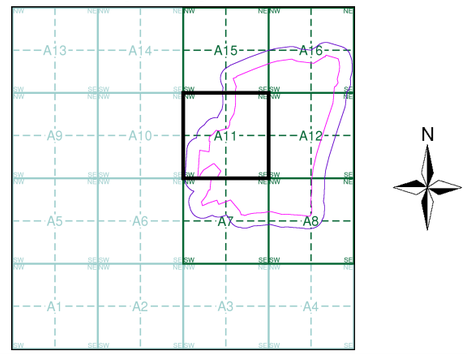
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A11



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
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Site Details

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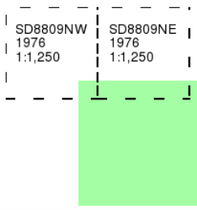
Supply of Unpublished Survey Information

Published 1976

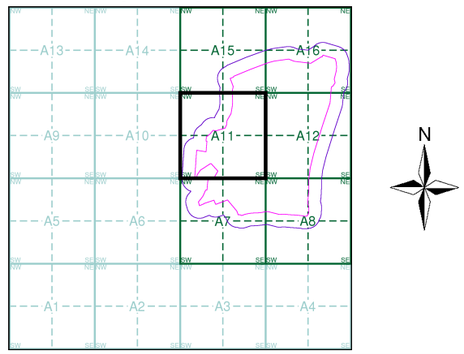
Source map scale - 1:1,250

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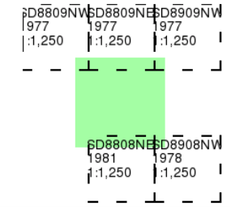
Ordnance Survey Plan

Published 1977 - 1981

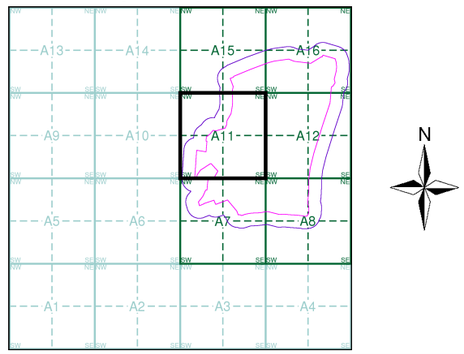
Source map scale - 1:1,250

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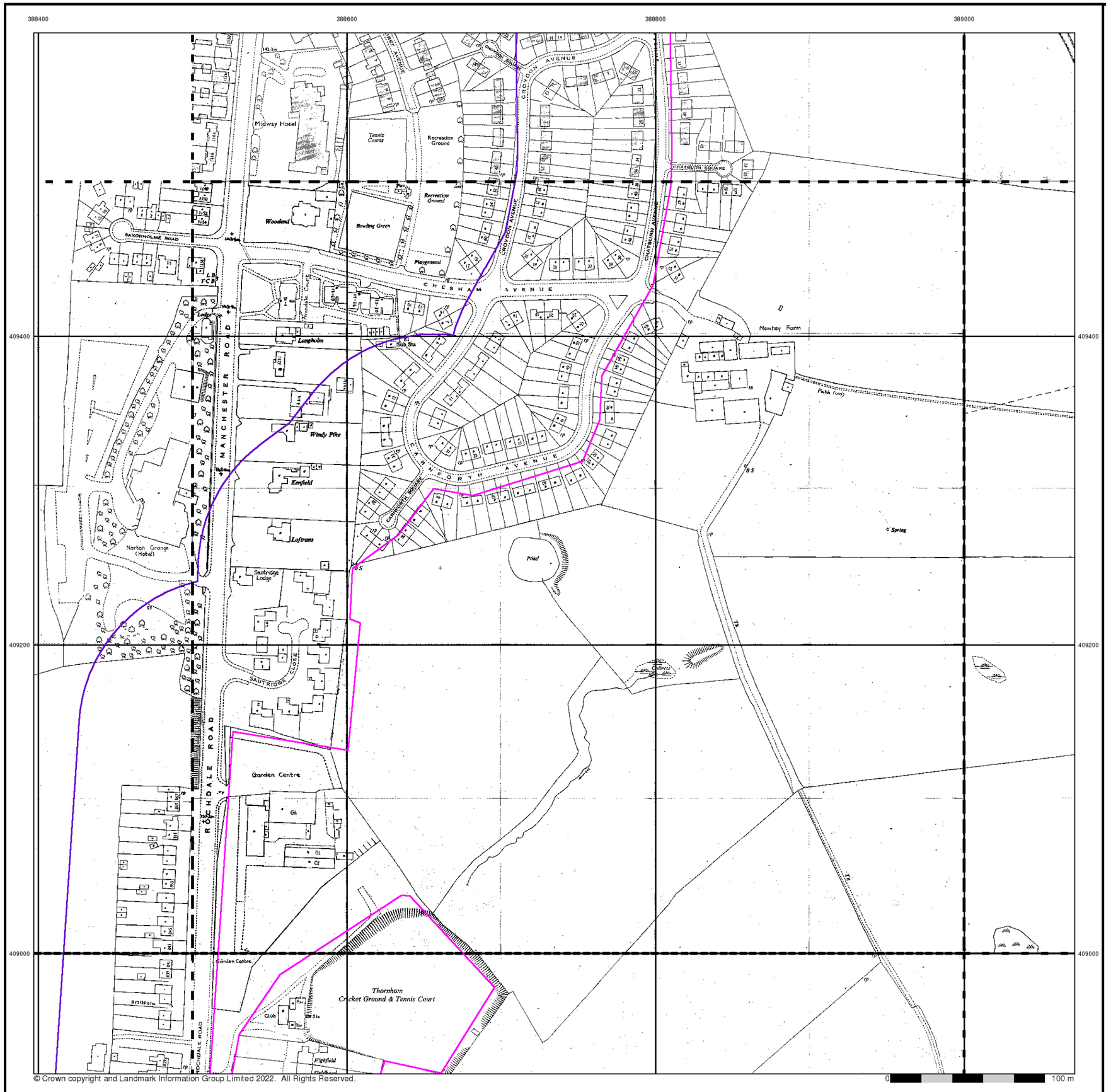
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Additional SIMs

Published 1978 - 1992

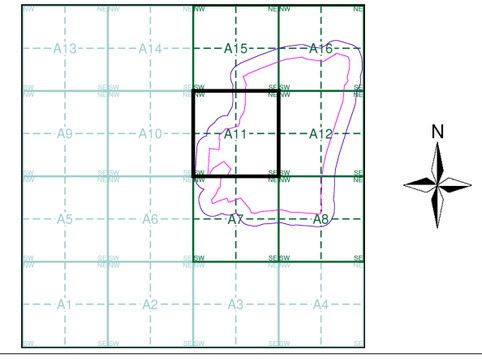
Source map scale - 1:1,250

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

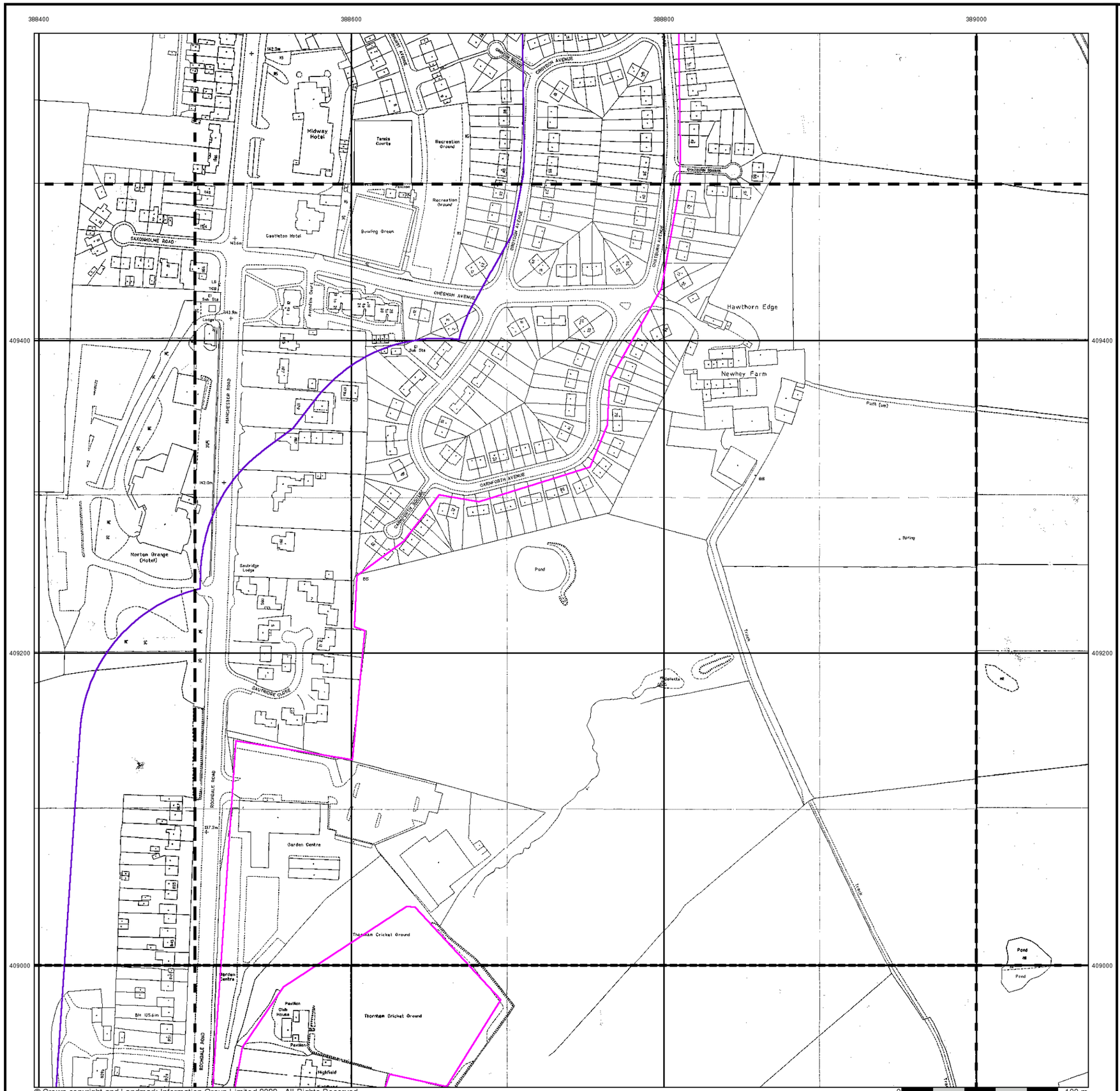
Order Number:	300522833_1_1
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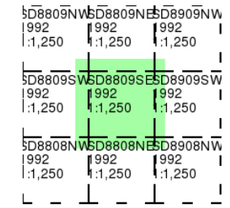
Large-Scale National Grid Data

Published 1992

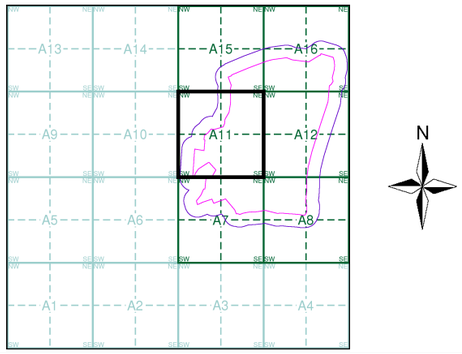
Source map scale - 1:1,250

'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



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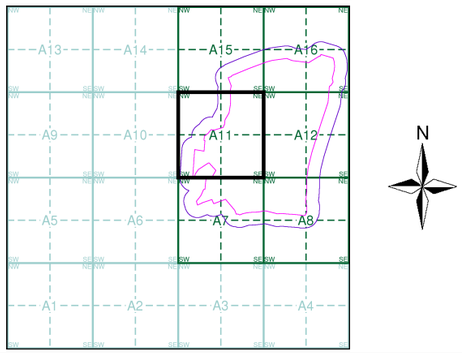


Historical Aerial Photography

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

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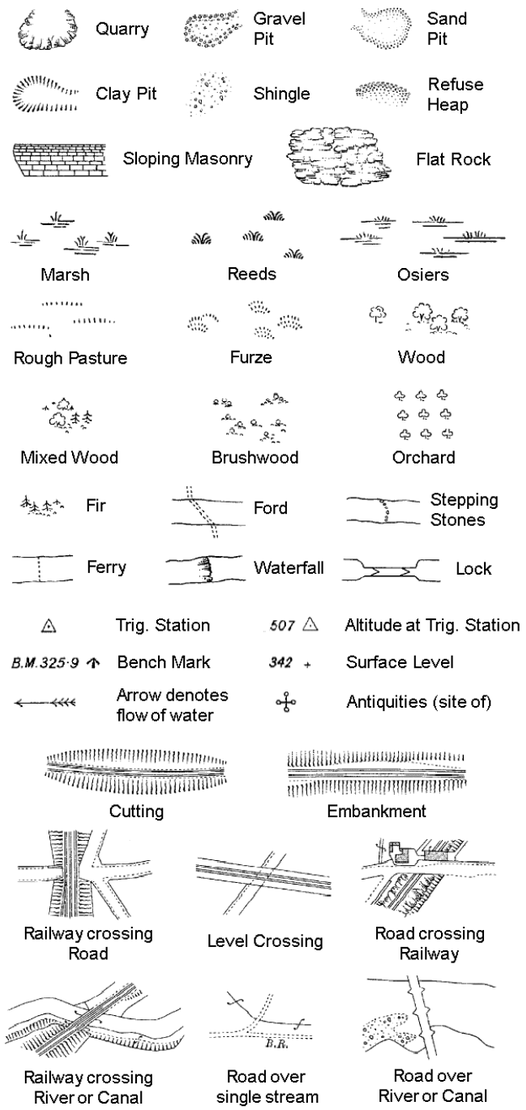
Site Details

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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

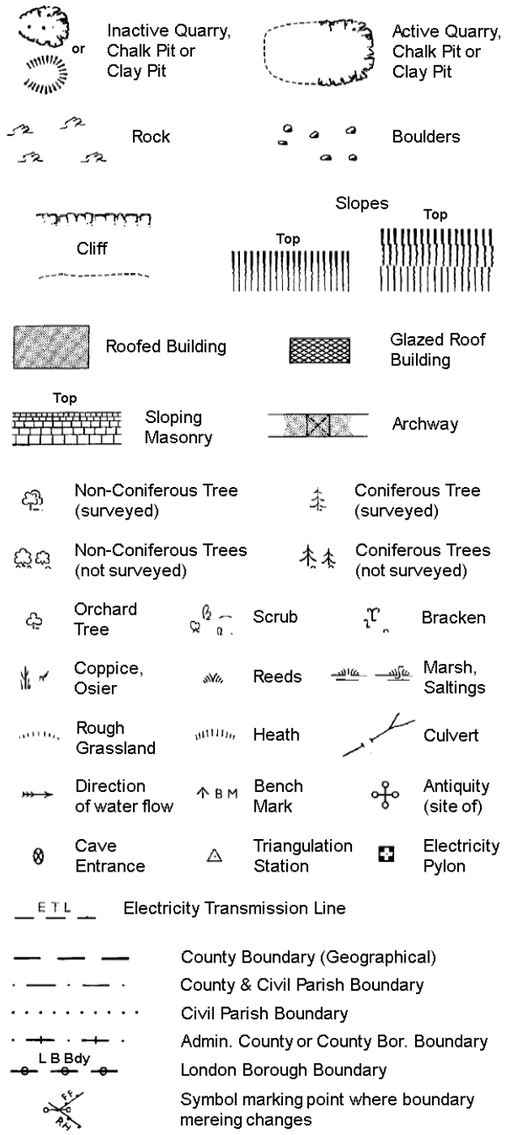
Administrative County & Civil Parish Boundary

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

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

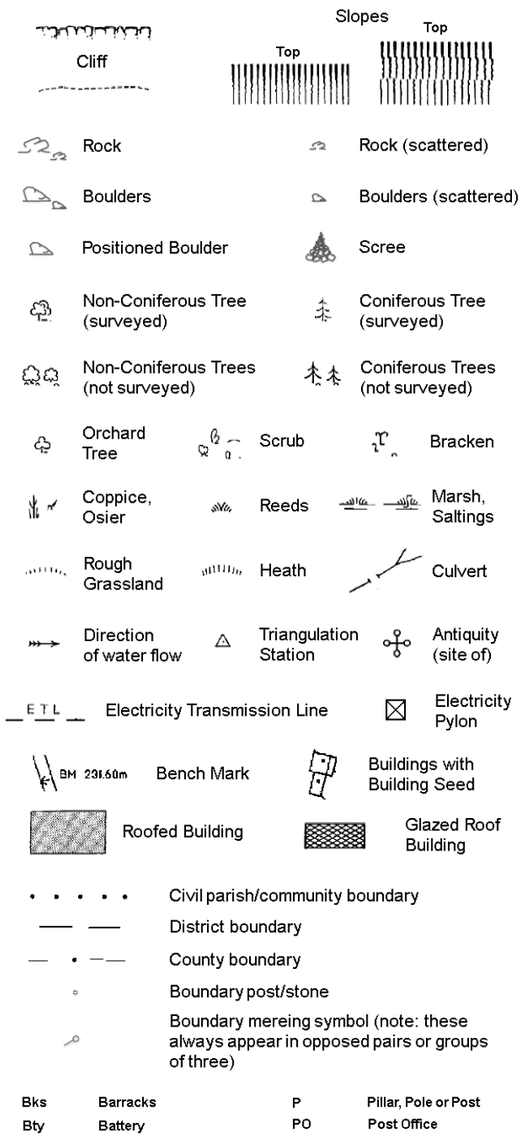
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

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

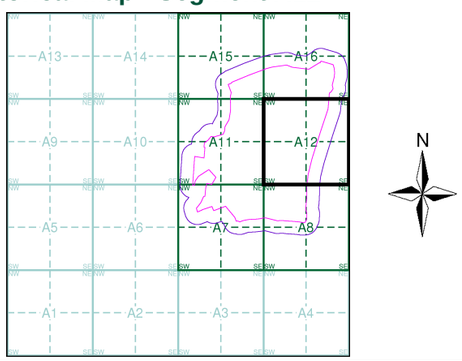
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1890 - 1893	2
Lancashire And Furness	1:2,500	1909 - 1910	3
Lancashire And Furness	1:2,500	1929 - 1930	4
Lancashire And Furness	1:2,500	1937 - 1939	5
Ordnance Survey Plan	1:2,500	1955 - 1956	6
Ordnance Survey Plan	1:1,250	1956	7
Supply of Unpublished Survey Information	1:1,250	1975 - 1976	8
Ordnance Survey Plan	1:1,250	1977 - 1978	9
Additional SIMs	1:1,250	1984 - 1986	10
Large-Scale National Grid Data	1:1,250	1992	11
Historical Aerial Photography	1:2,500	2000	12

Historical Map - Segment A12



Order Details

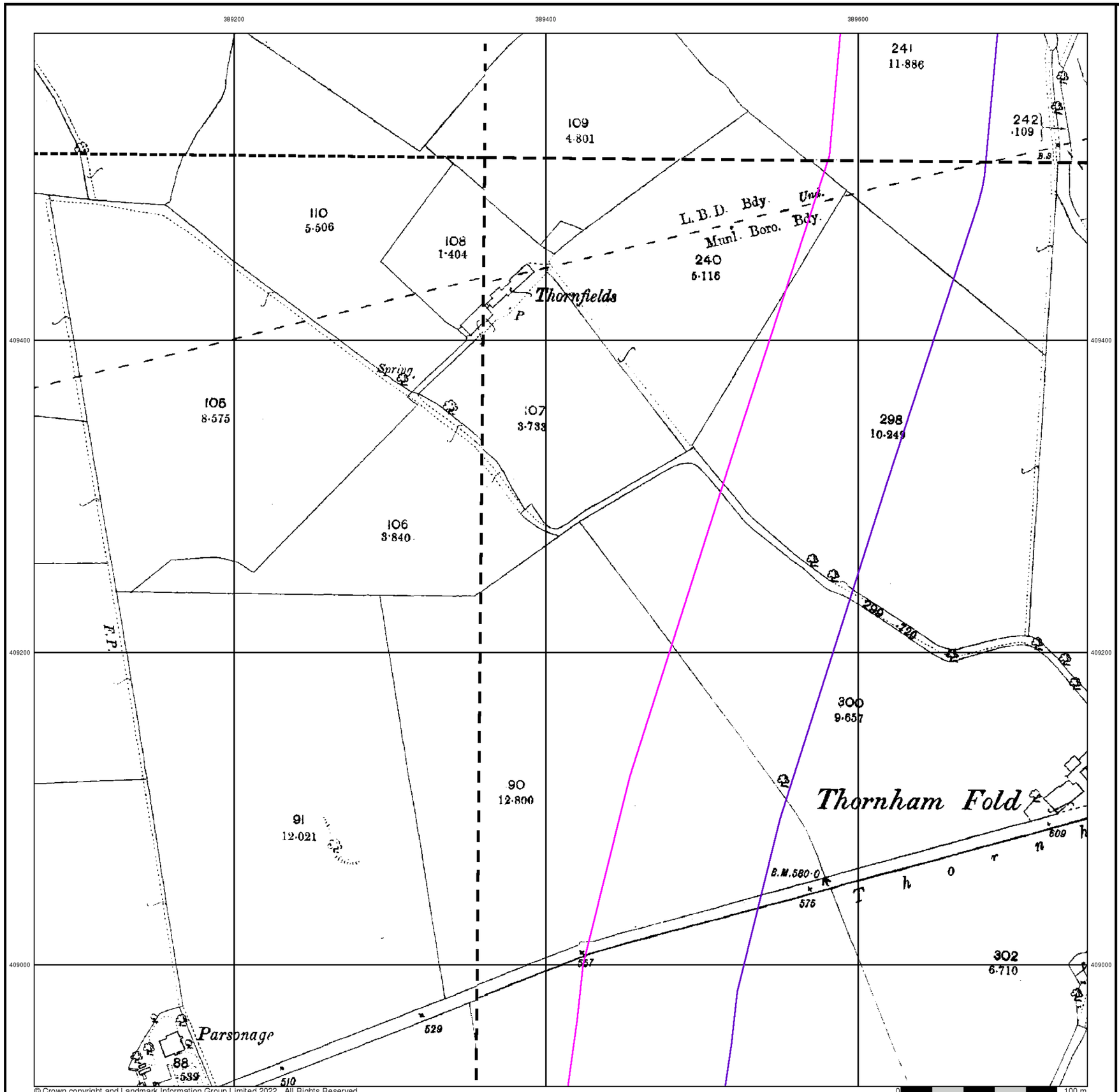
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Slice: A
Site Area (Ha): 95.3
Search Buffer (m): 100

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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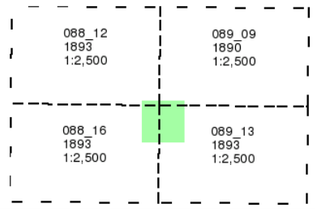
Lancashire And Furness

Published 1890 - 1893

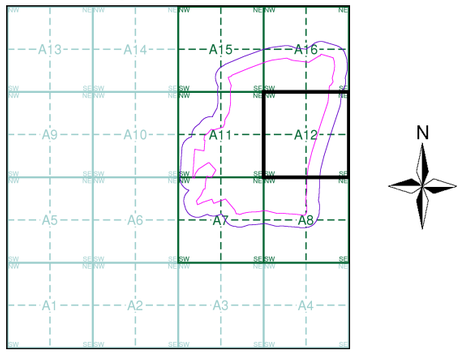
Source map scale - 1:2,500

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



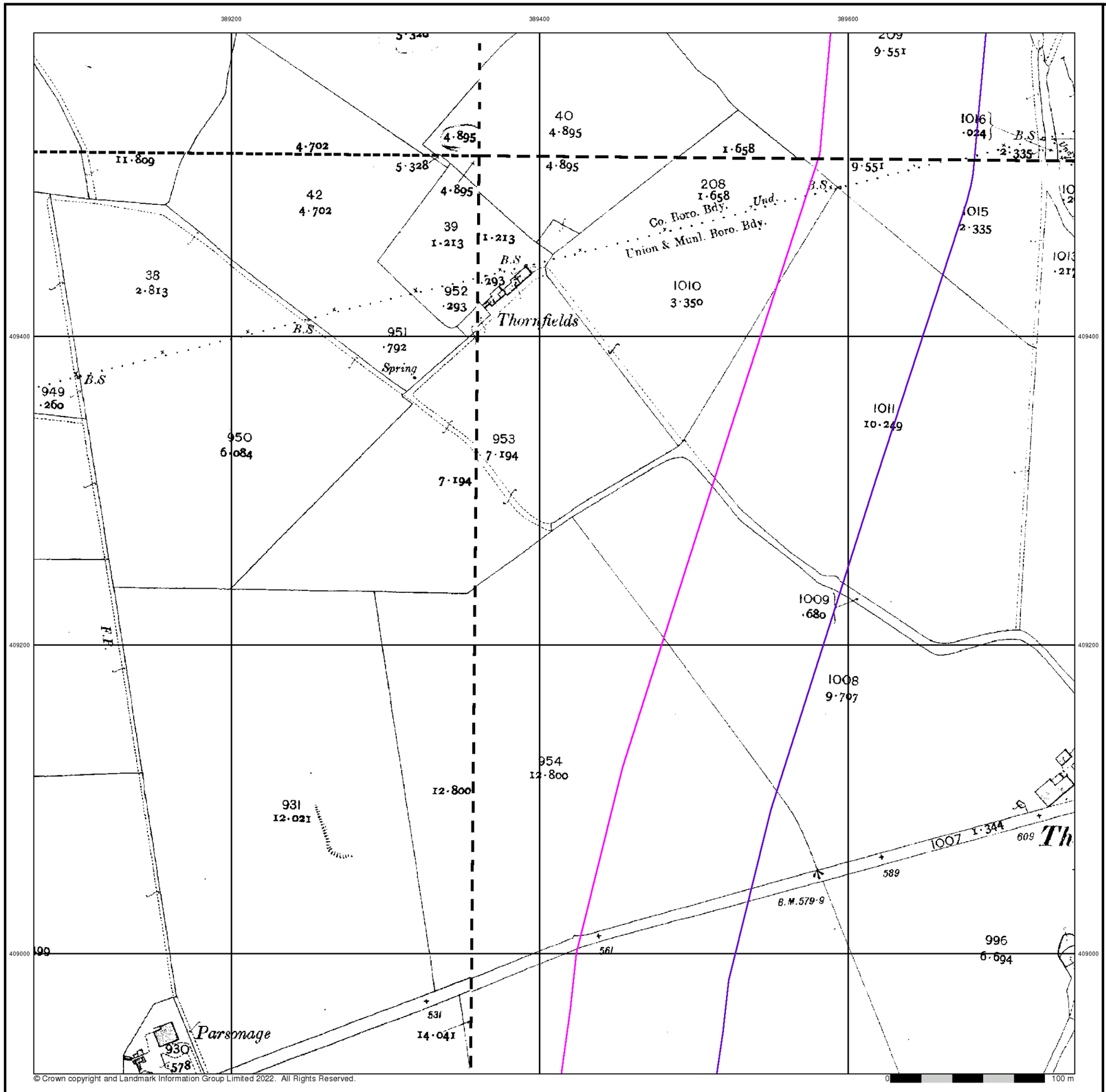
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Search Buffer (m):	100

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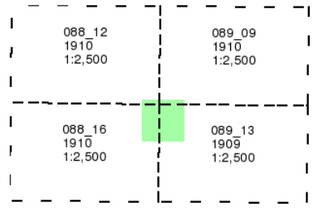
Lancashire And Furness

Published 1909 - 1910

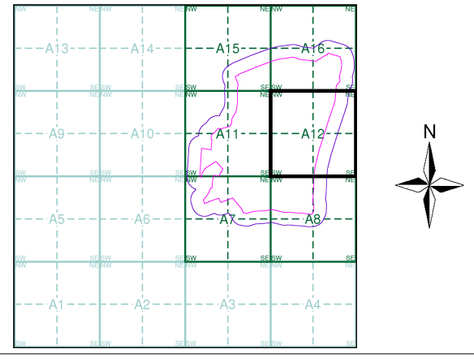
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Historical Map - Segment A12



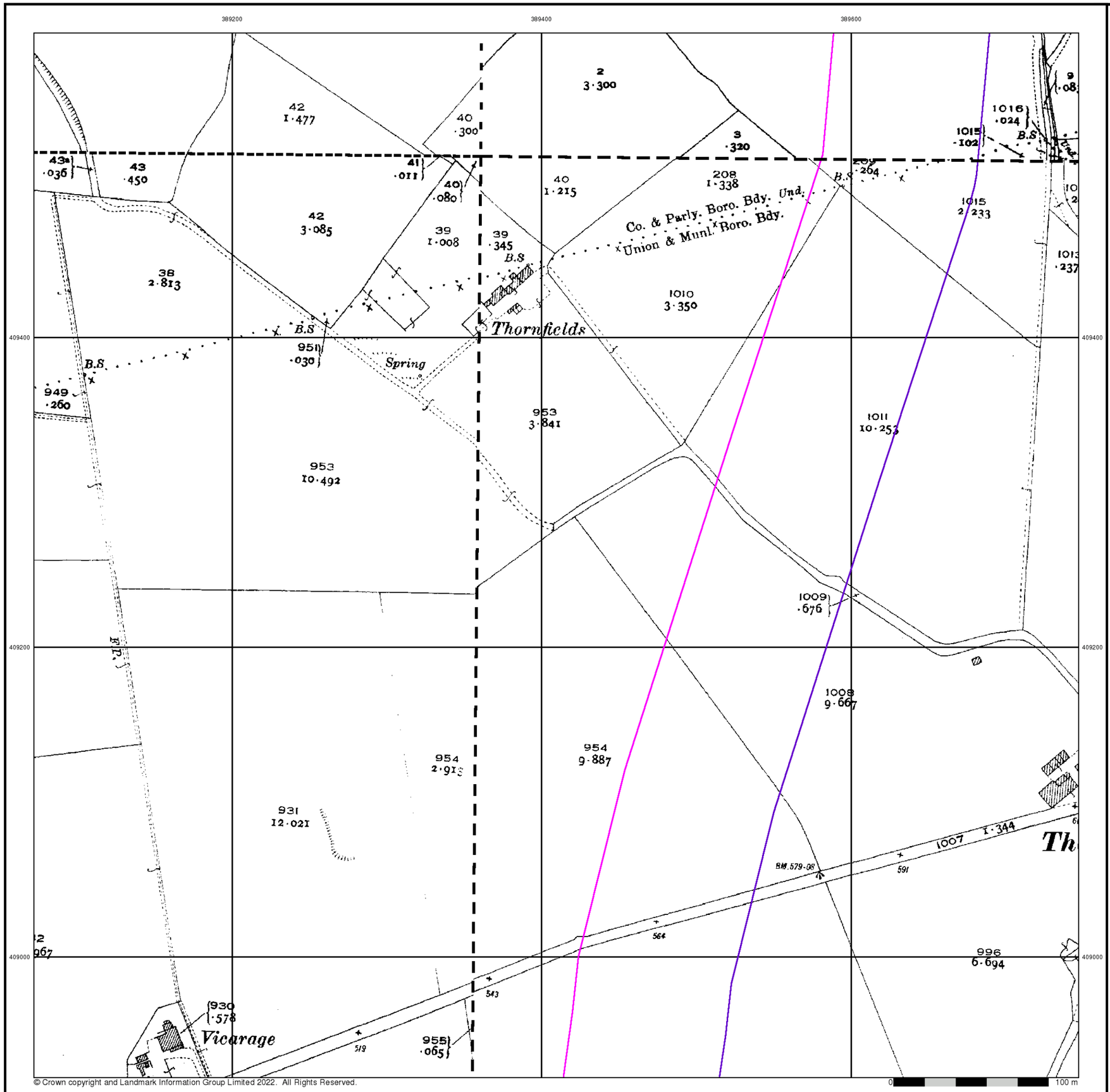
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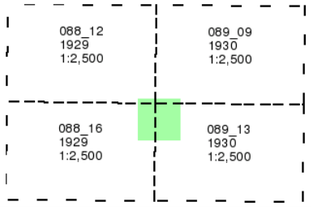
Lancashire And Furness

Published 1929 - 1930

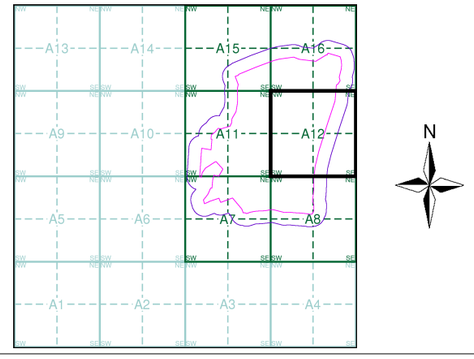
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A12



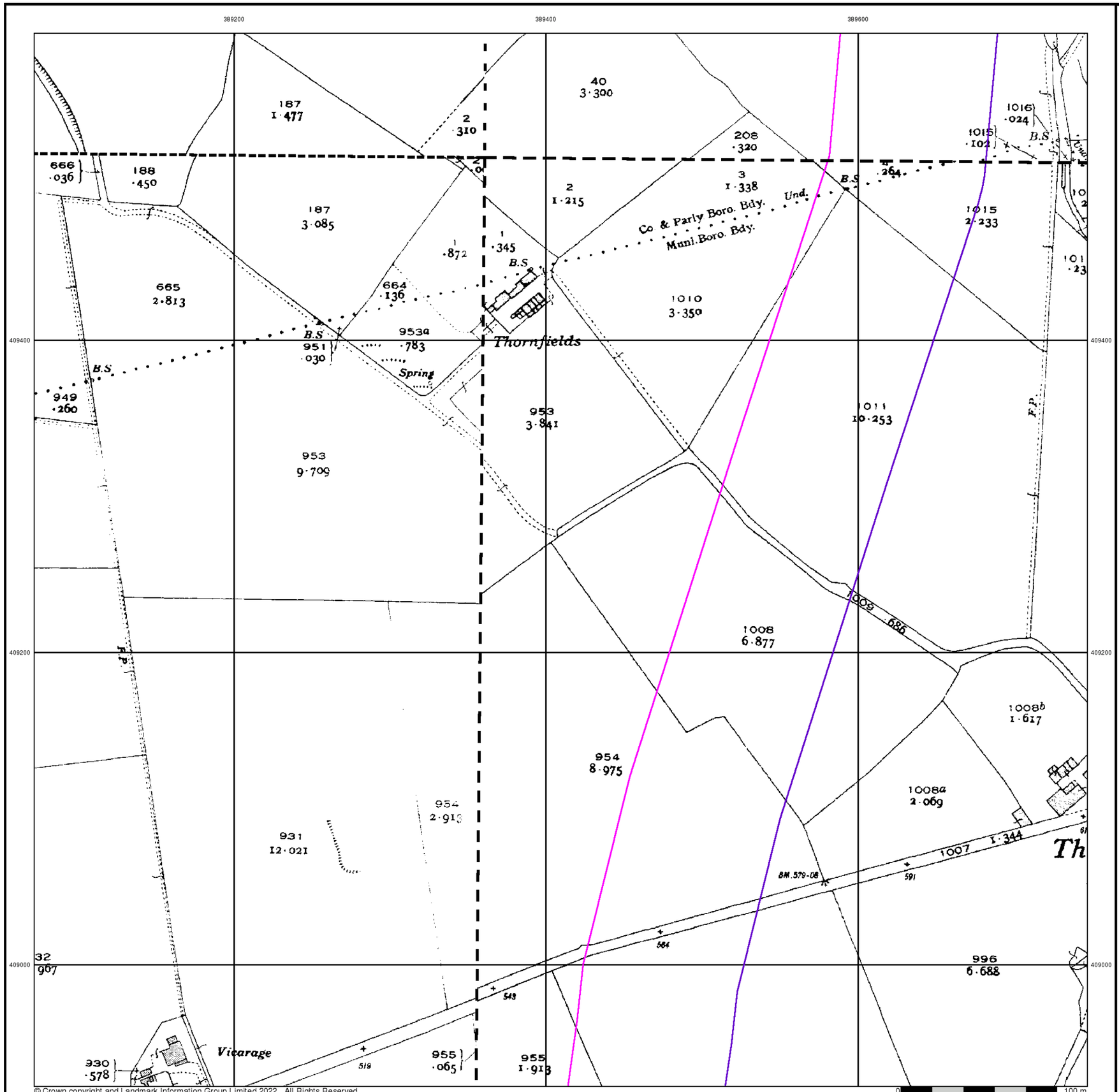
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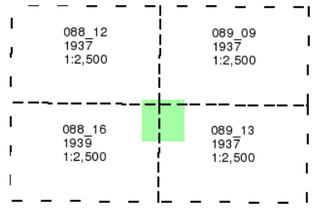
Lancashire And Furness

Published 1937 - 1939

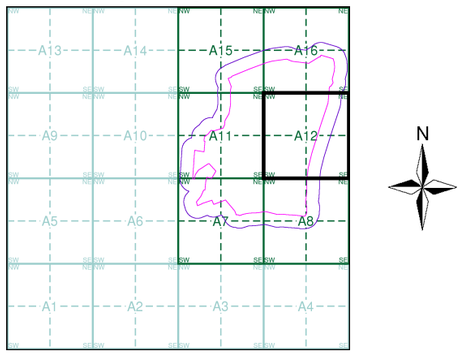
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A12



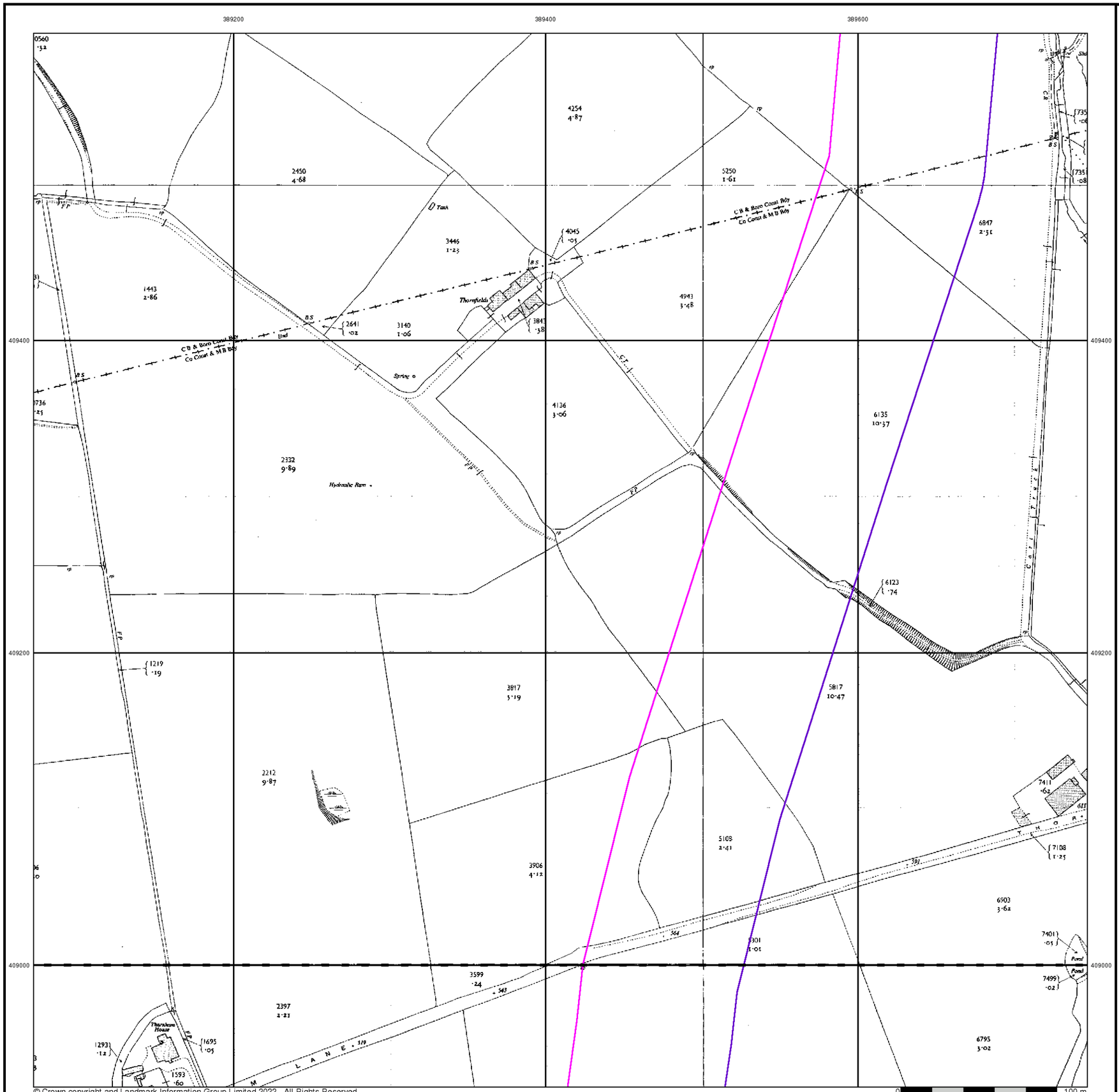
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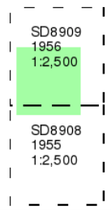
Ordnance Survey Plan

Published 1955 - 1956

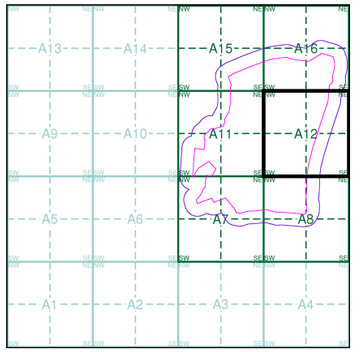
Source map scale - 1:2,500

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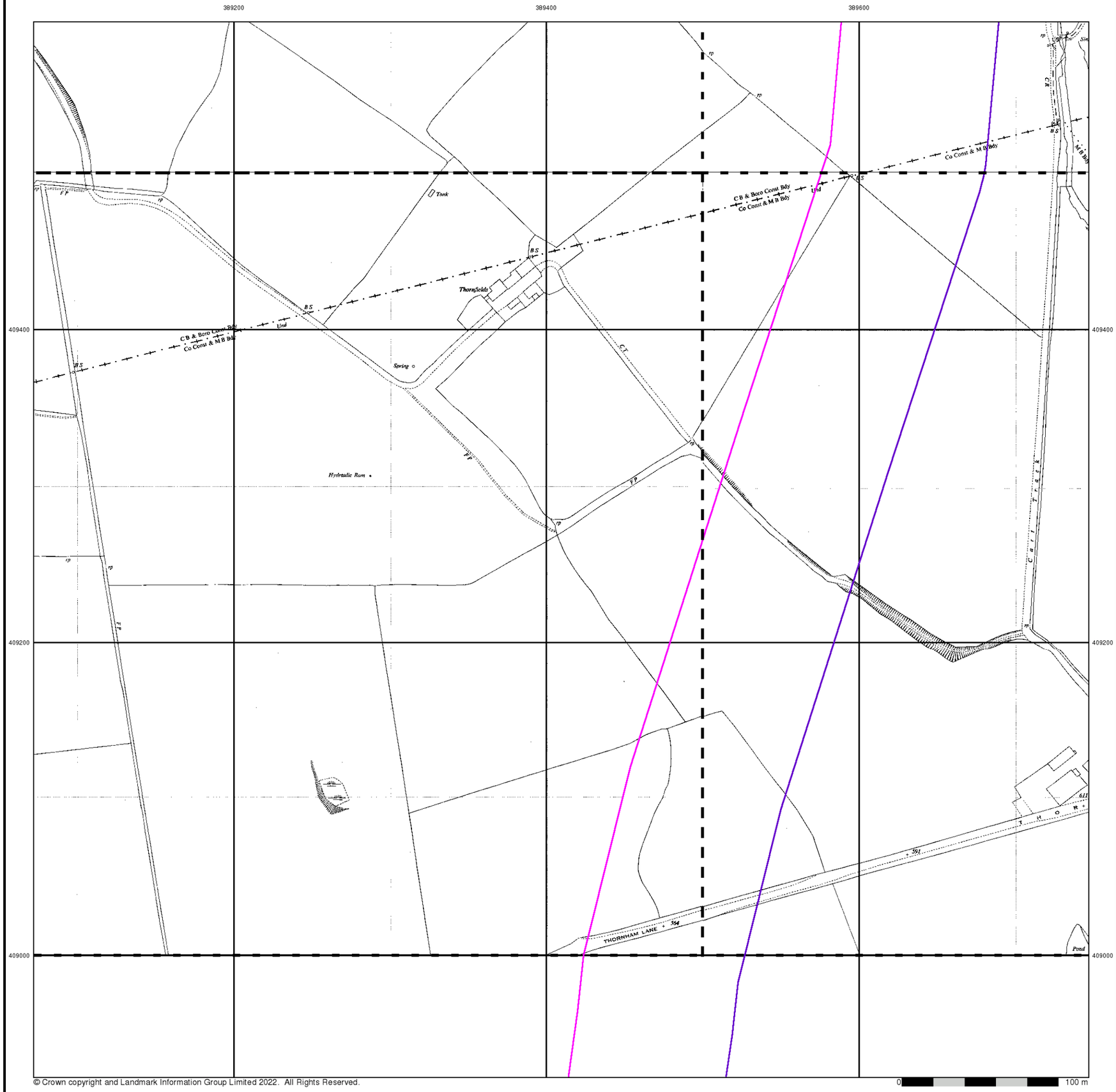
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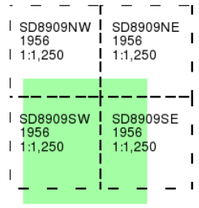
Ordnance Survey Plan

Published 1956

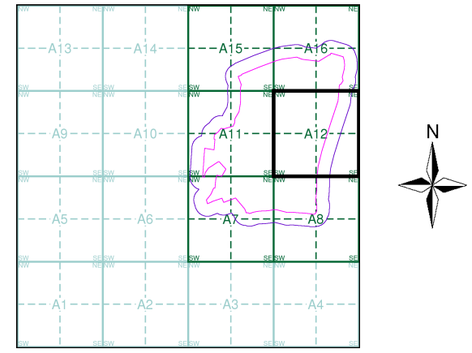
Source map scale - 1:1,250

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



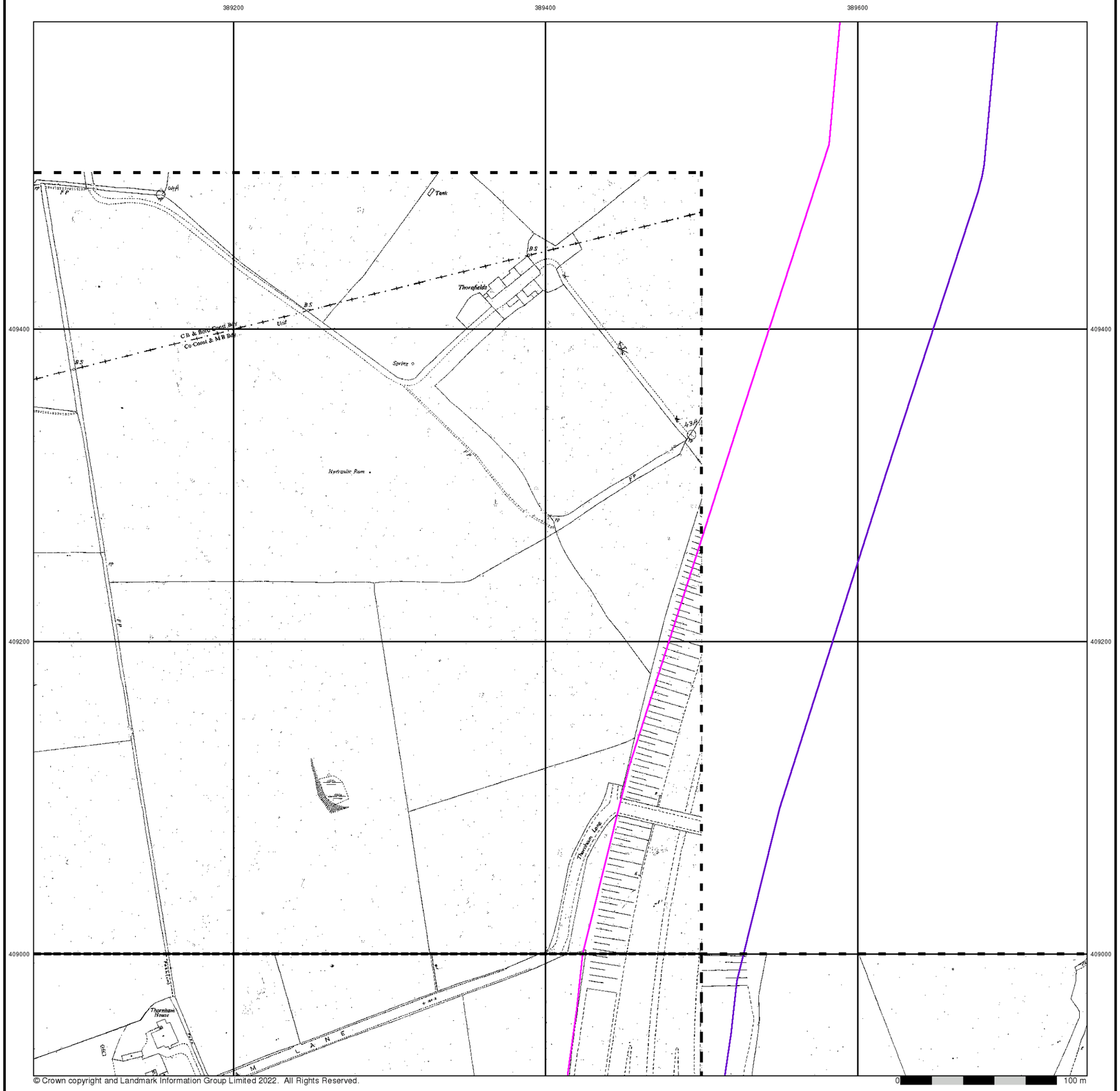
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Slice:	A
Site Area (Ha):	95.3
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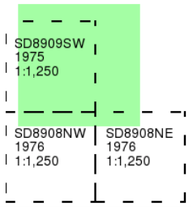
Supply of Unpublished Survey Information

Published 1975 - 1976

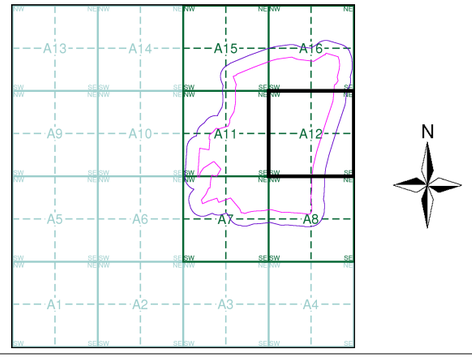
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A12



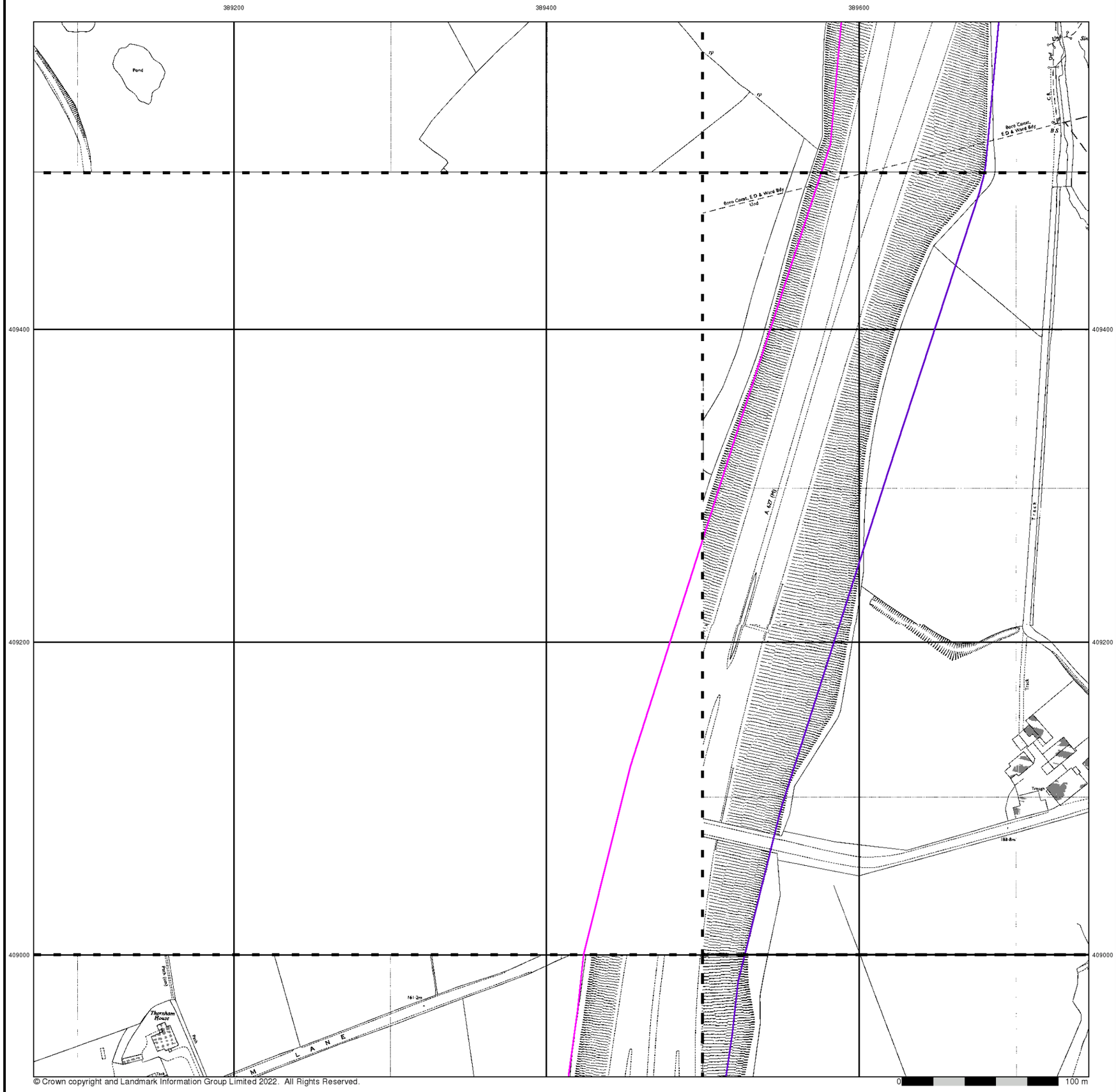
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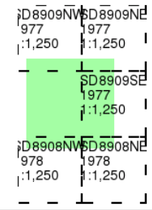
Ordnance Survey Plan

Published 1977 - 1978

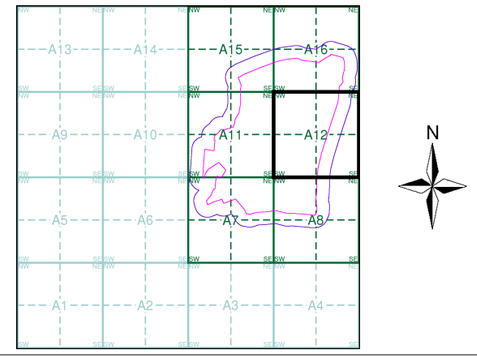
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A12



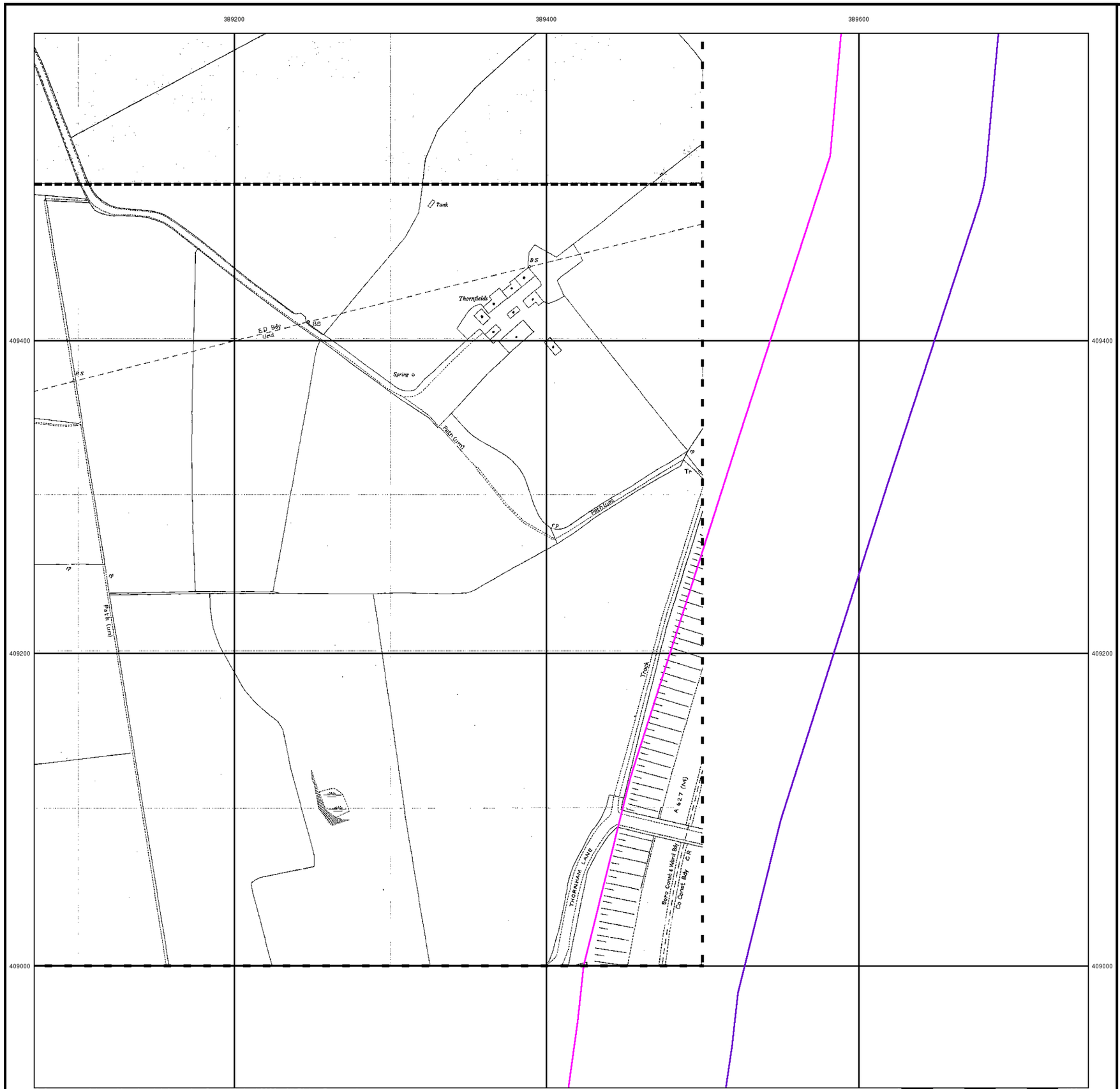
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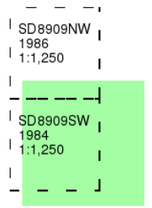
Additional SIMs

Published 1984 - 1986

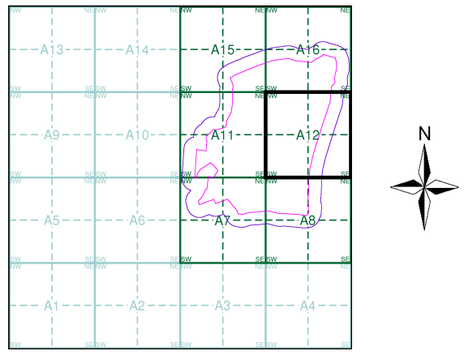
Source map scale - 1:1,250

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



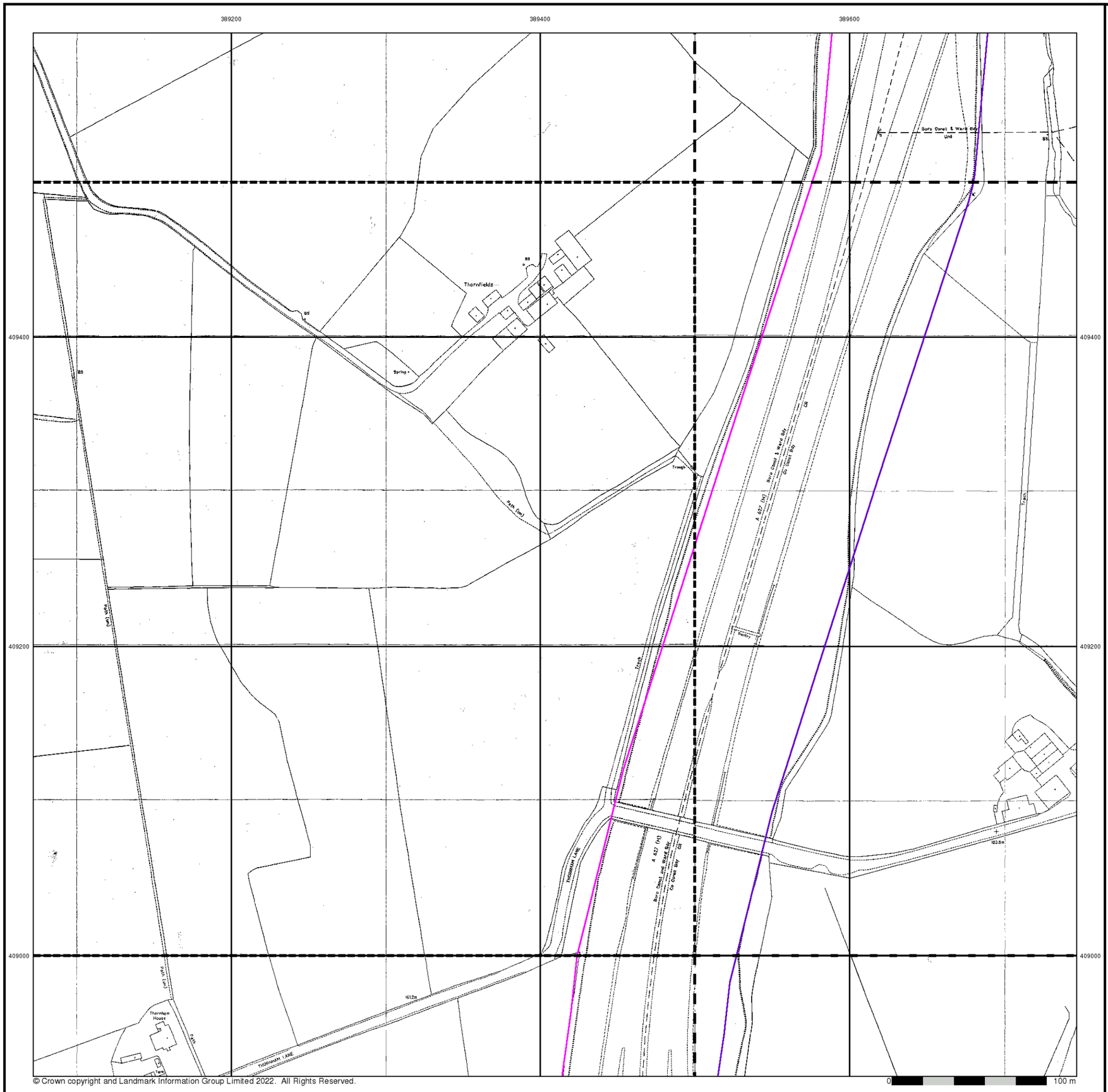
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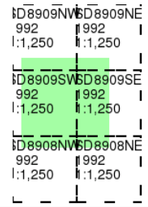
Large-Scale National Grid Data

Published 1992

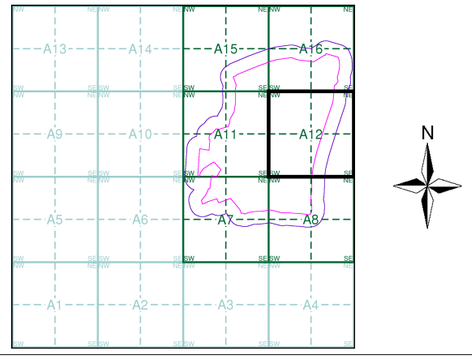
Source map scale - 1:1,250

'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



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

Landmark INFORMATION GROUP

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

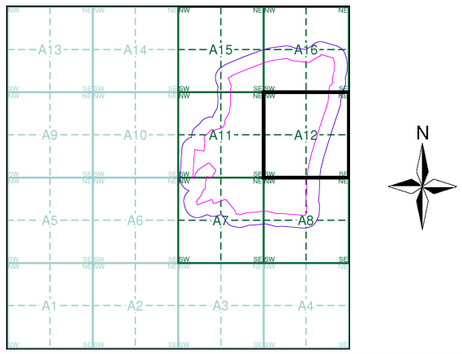


Historical Aerial Photography

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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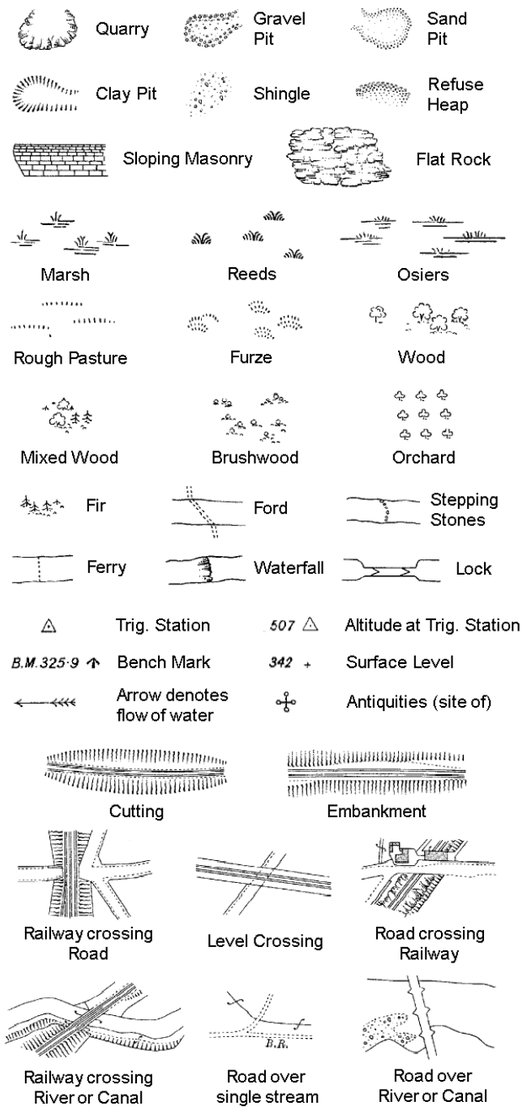
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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

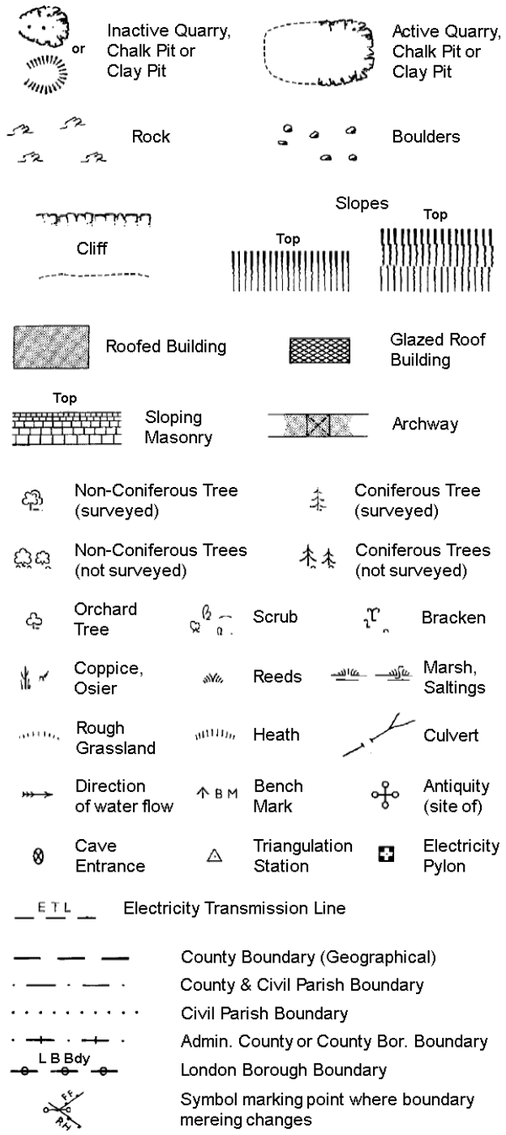
Administrative County & Civil Parish Boundary

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

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

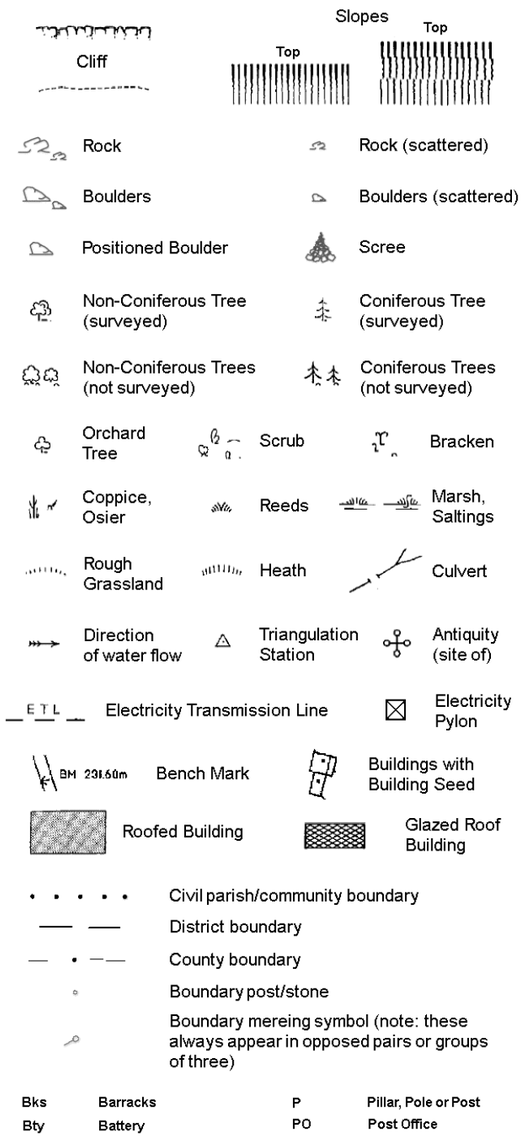
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

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

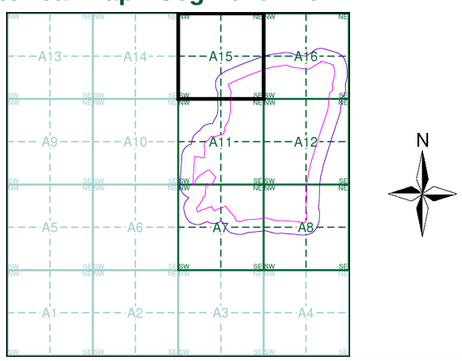
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1929	4
Lancashire And Furness	1:2,500	1937	5
Ordnance Survey Plan	1:1,250	1956	6
Ordnance Survey Plan	1:2,500	1956	7
Ordnance Survey Plan	1:2,500	1970	8
Supply of Unpublished Survey Information	1:1,250	1975	9
Supply of Unpublished Survey Information	1:1,250	1975 - 1976	10
Ordnance Survey Plan	1:1,250	1976 - 1981	11
Supply of Unpublished Survey Information	1:1,250	1976	12
Additional SIMs	1:1,250	1986 - 1990	13
Additional SIMs	1:1,250	1990	14
Large-Scale National Grid Data	1:1,250	1992	15
Historical Aerial Photography	1:2,500	2000	16

Historical Map - Segment A15



Order Details

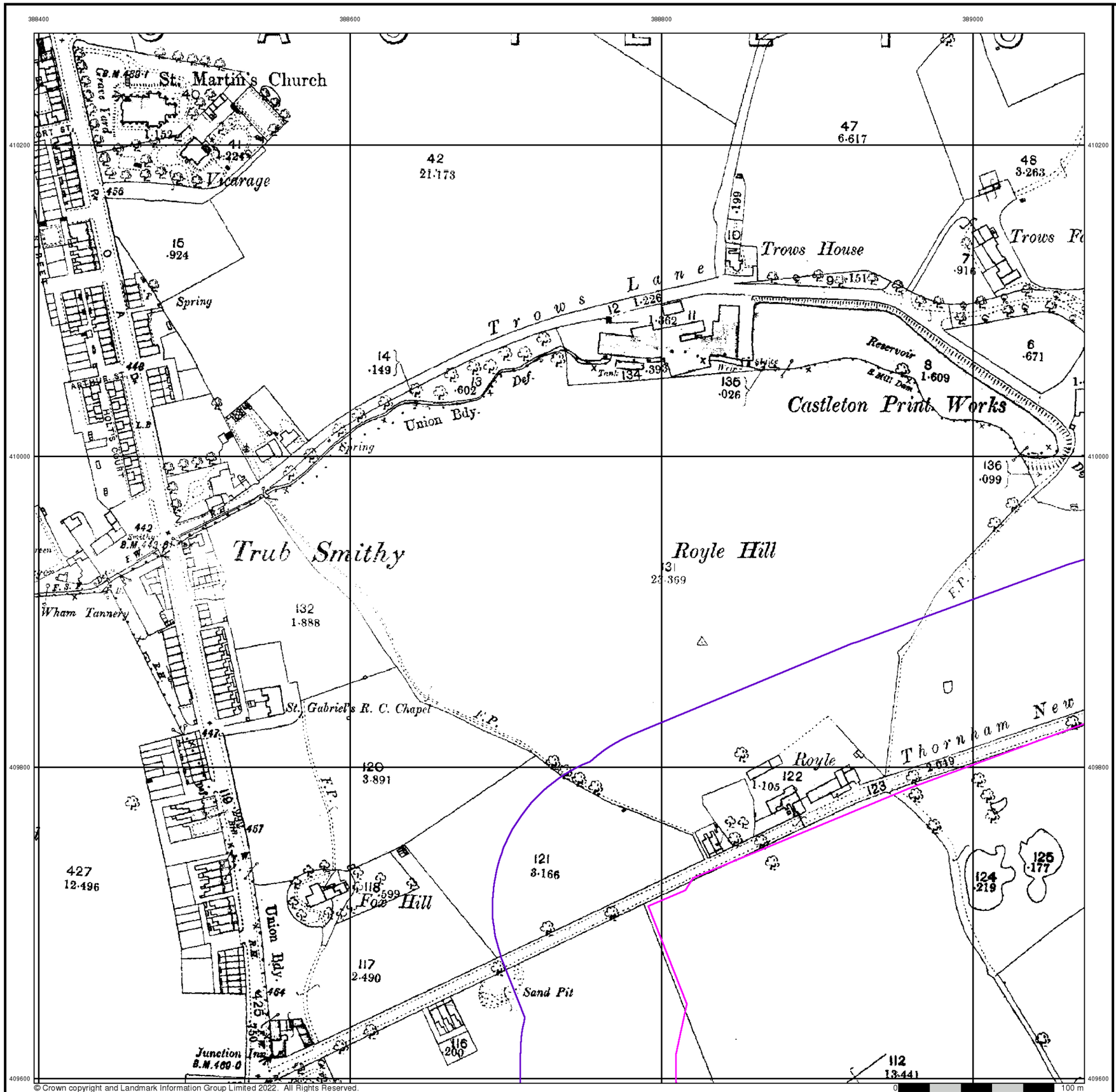
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

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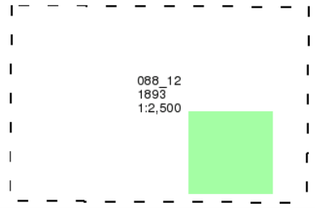
Lancashire And Furness

Published 1893

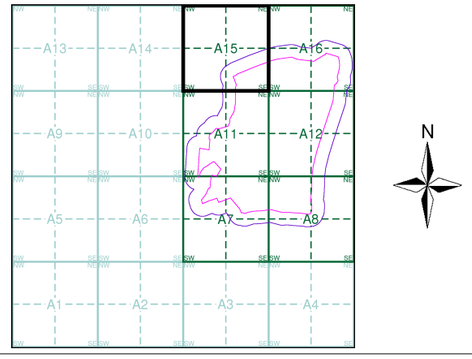
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A15



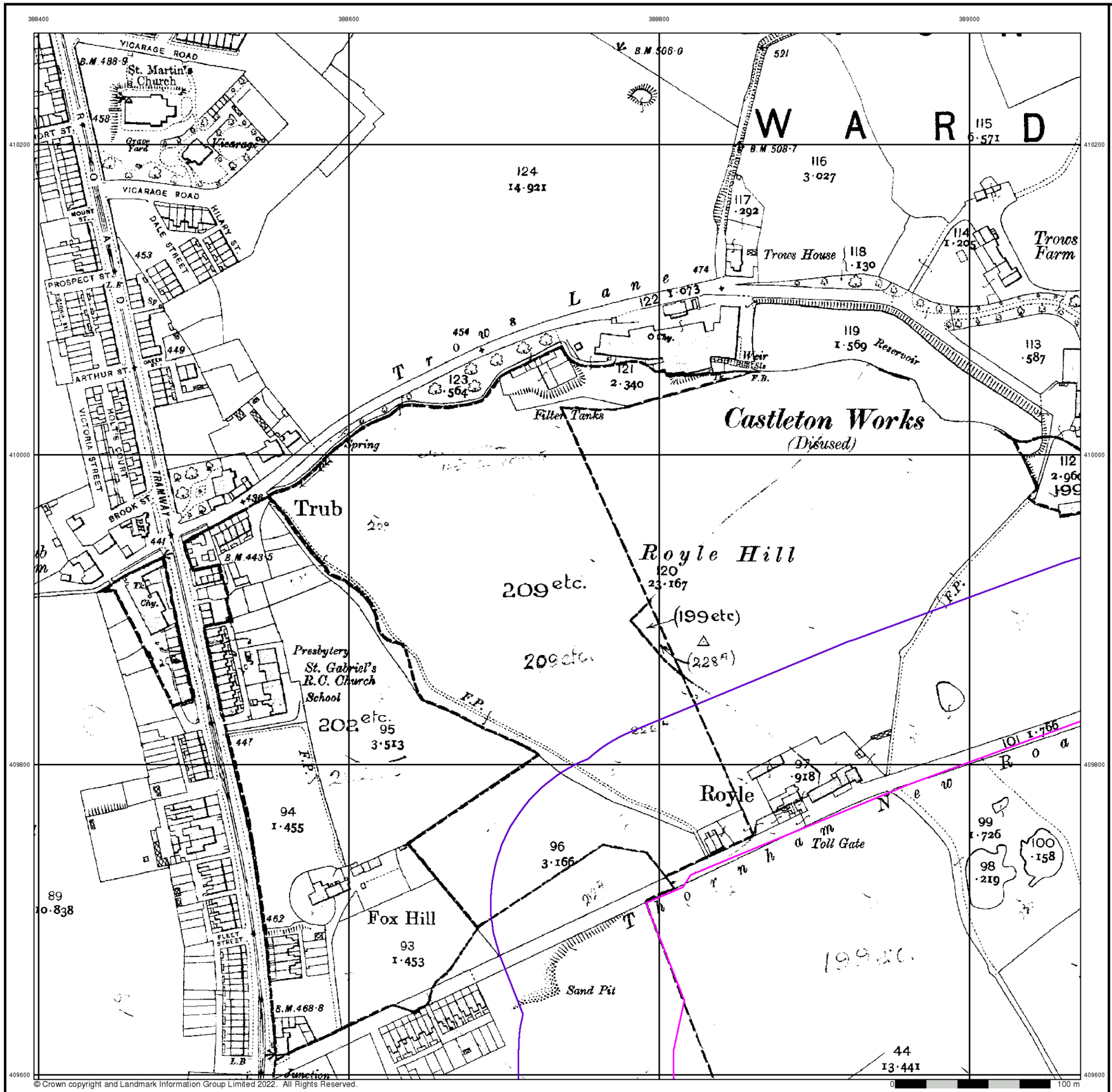
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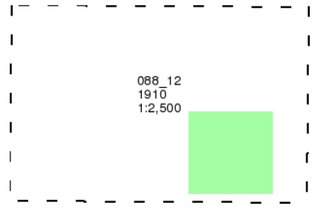
Lancashire And Furness

Published 1910

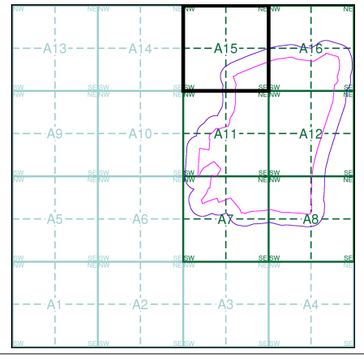
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A15



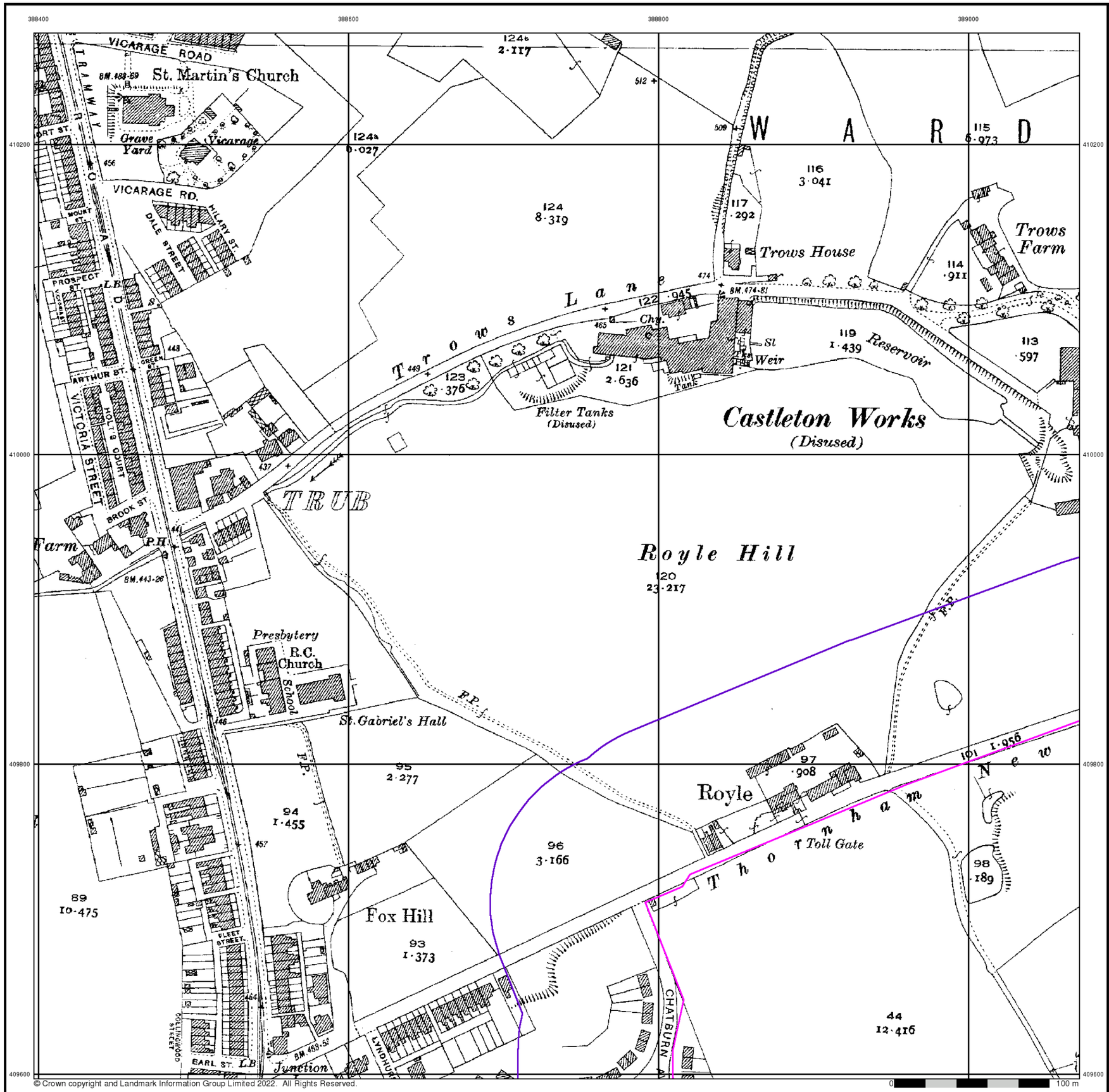
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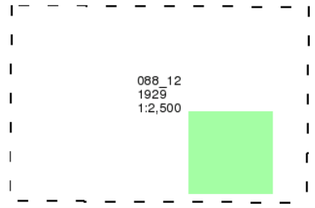
Lancashire And Furness

Published 1929

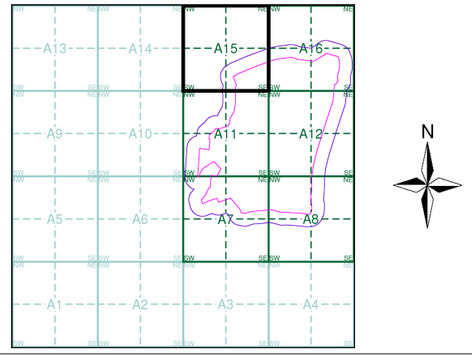
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A15



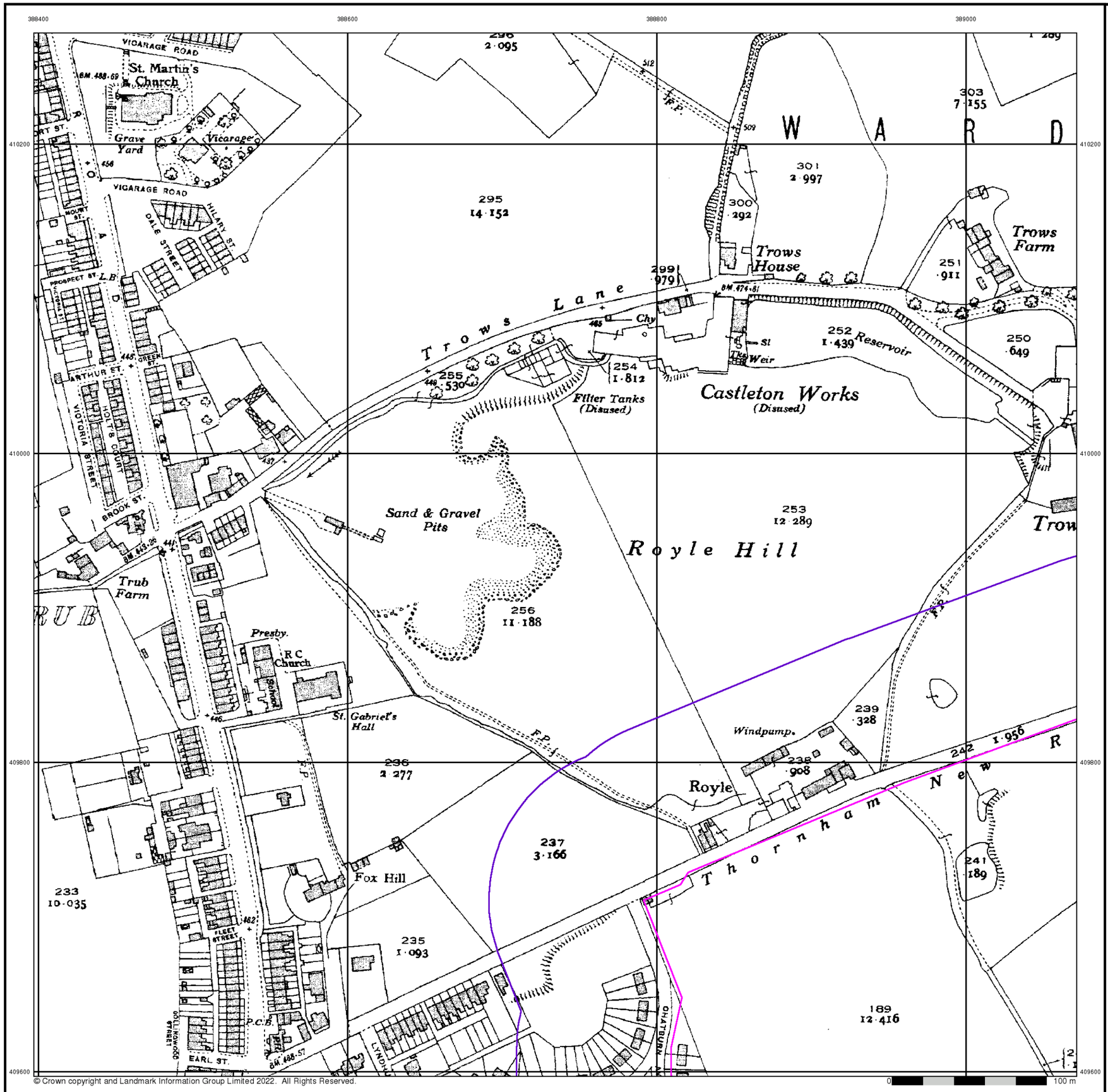
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Customer Ref:	322974
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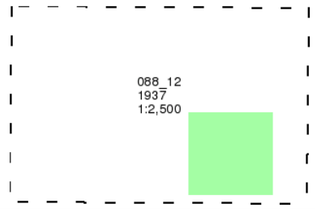
Lancashire And Furness

Published 1937

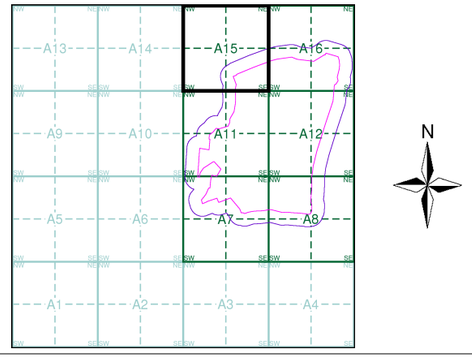
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A15



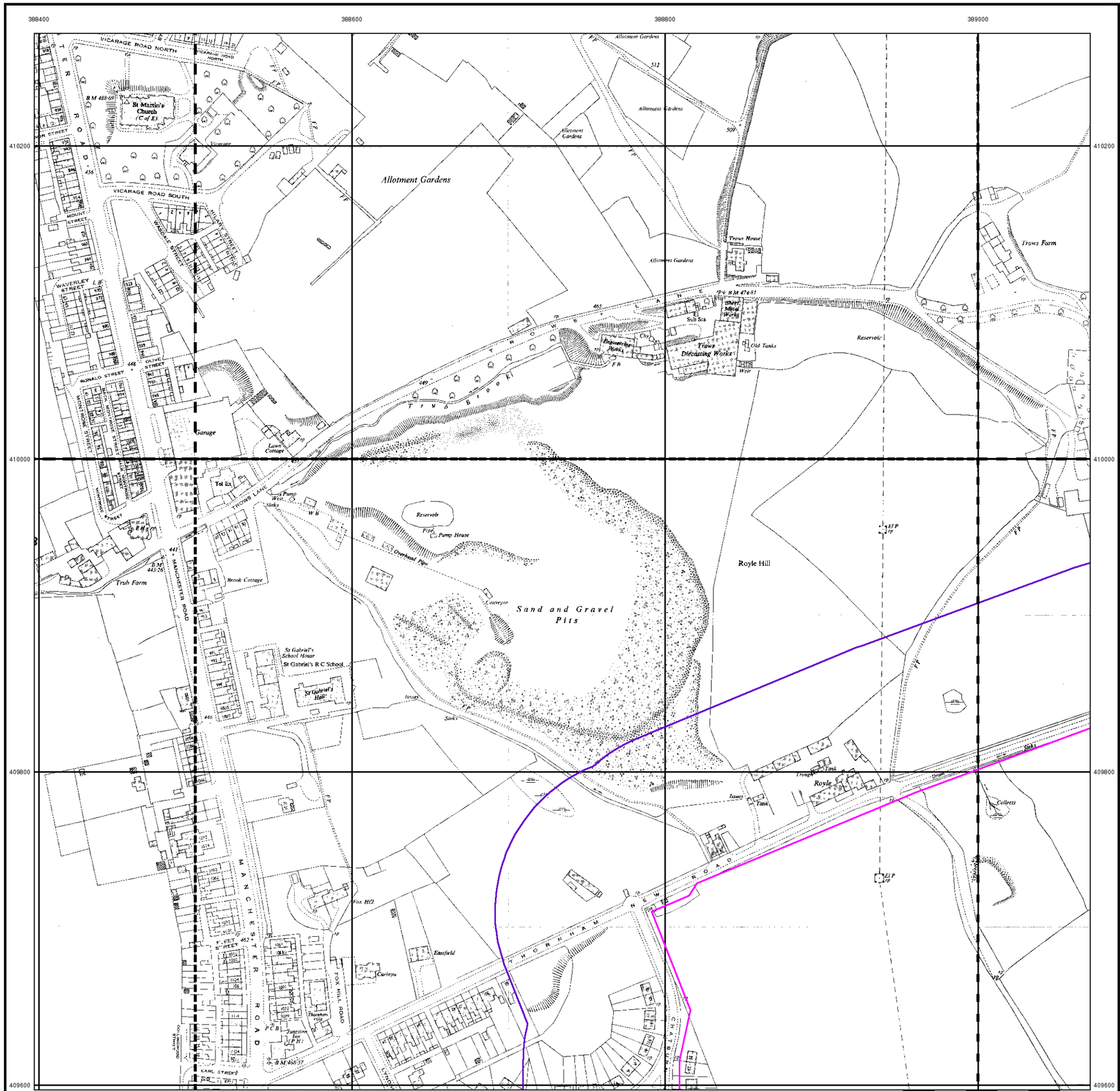
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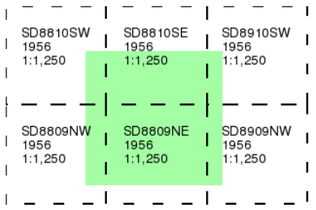
Ordnance Survey Plan

Published 1956

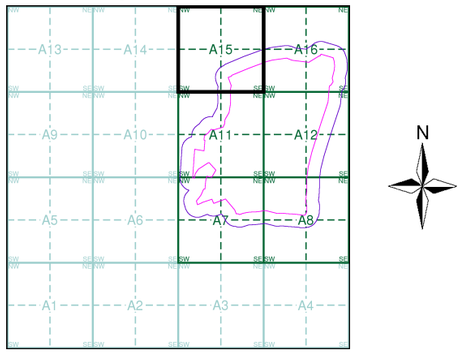
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A15



Order Details

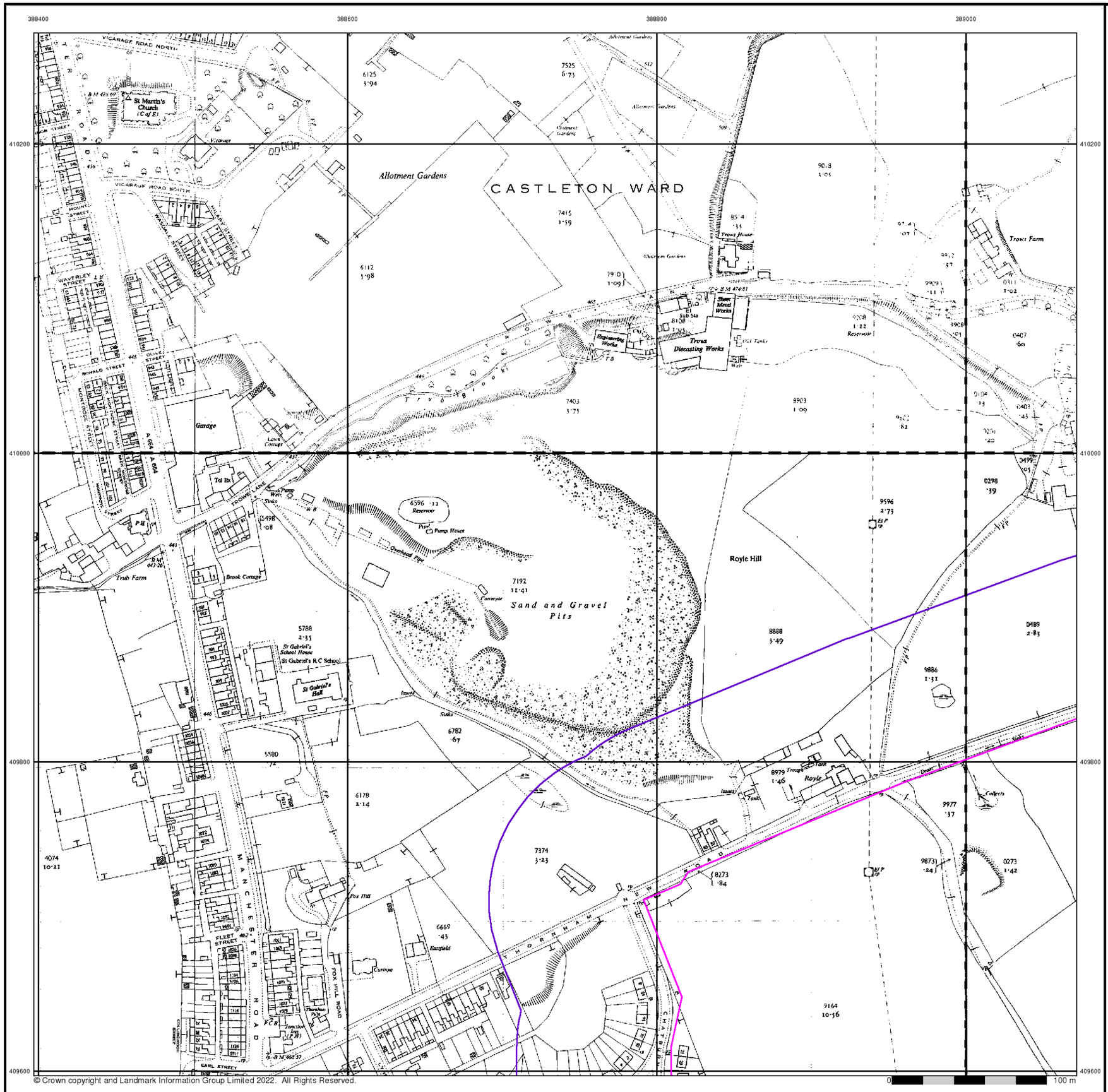
Order Number:	300522833_1_1
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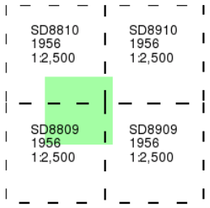
Ordnance Survey Plan

Published 1956

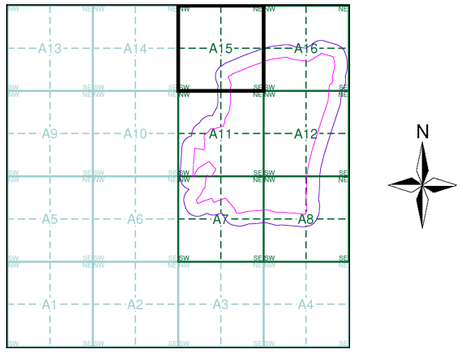
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A15



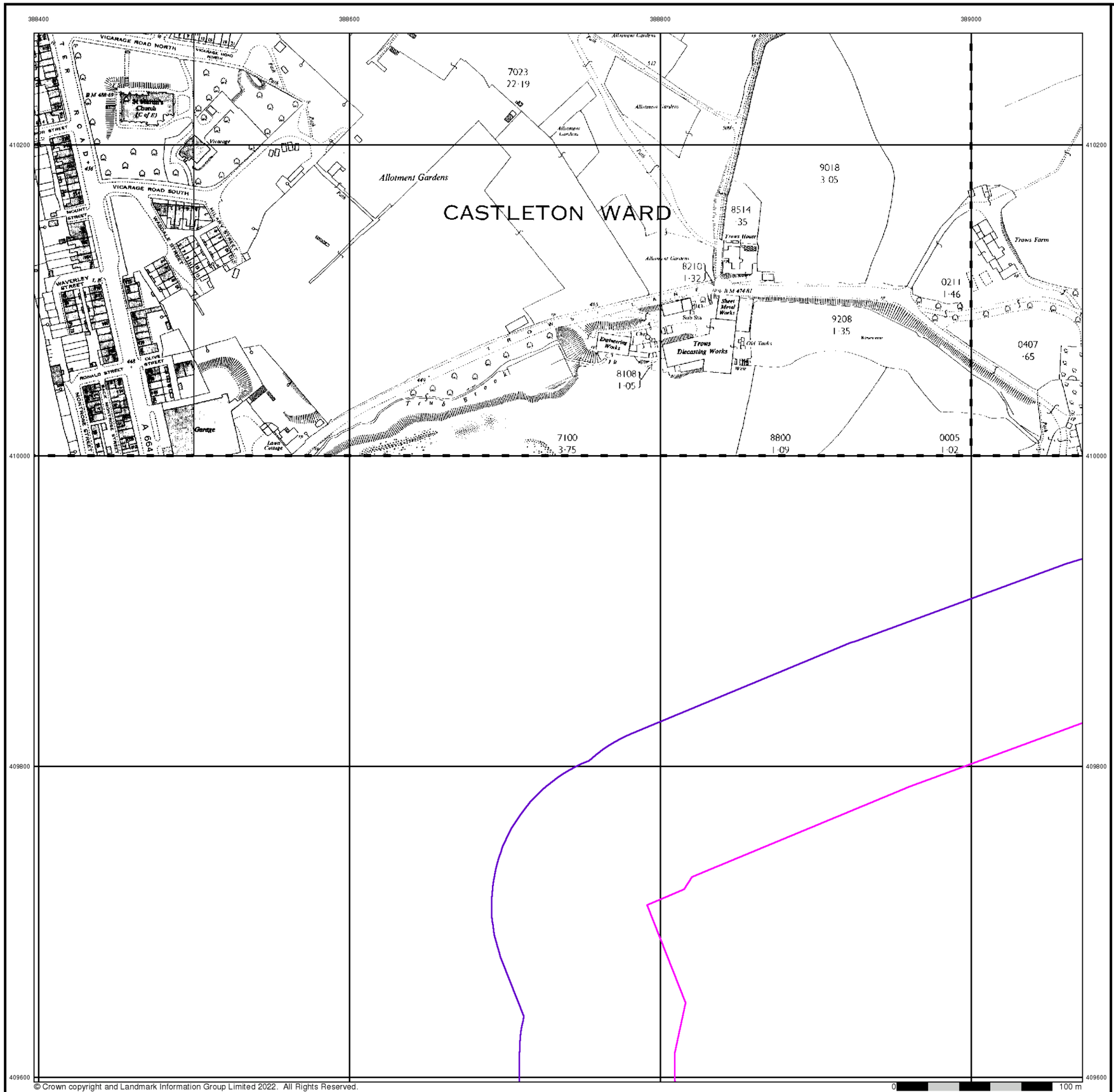
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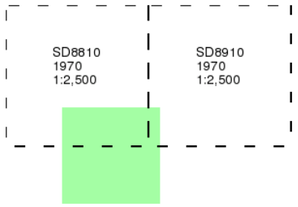
Ordnance Survey Plan

Published 1970

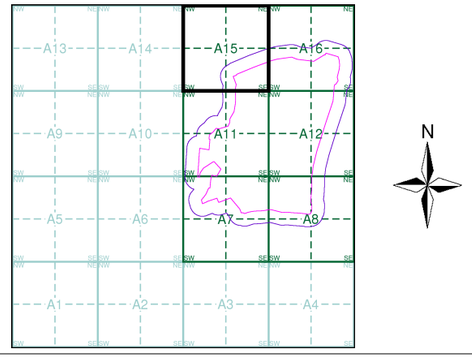
Source map scale - 1:2,500

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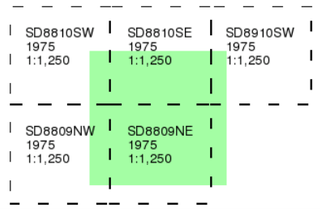
Supply of Unpublished Survey Information

Published 1975

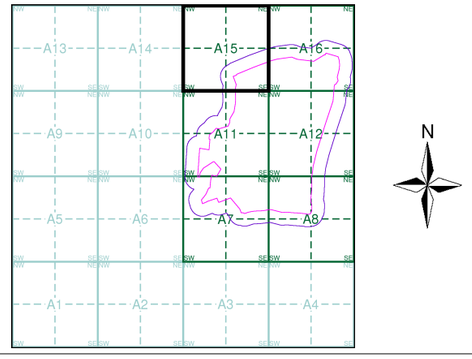
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They 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:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



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RSK

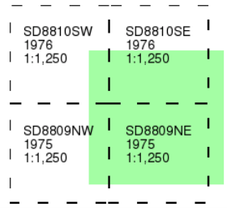
Supply of Unpublished Survey Information

Published 1975 - 1976

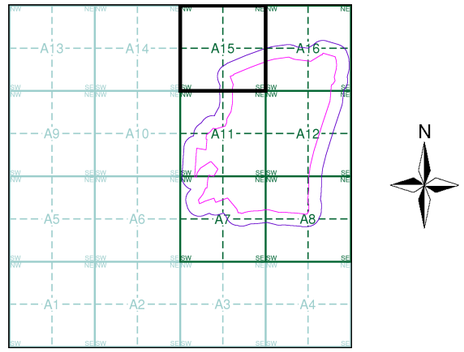
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A15



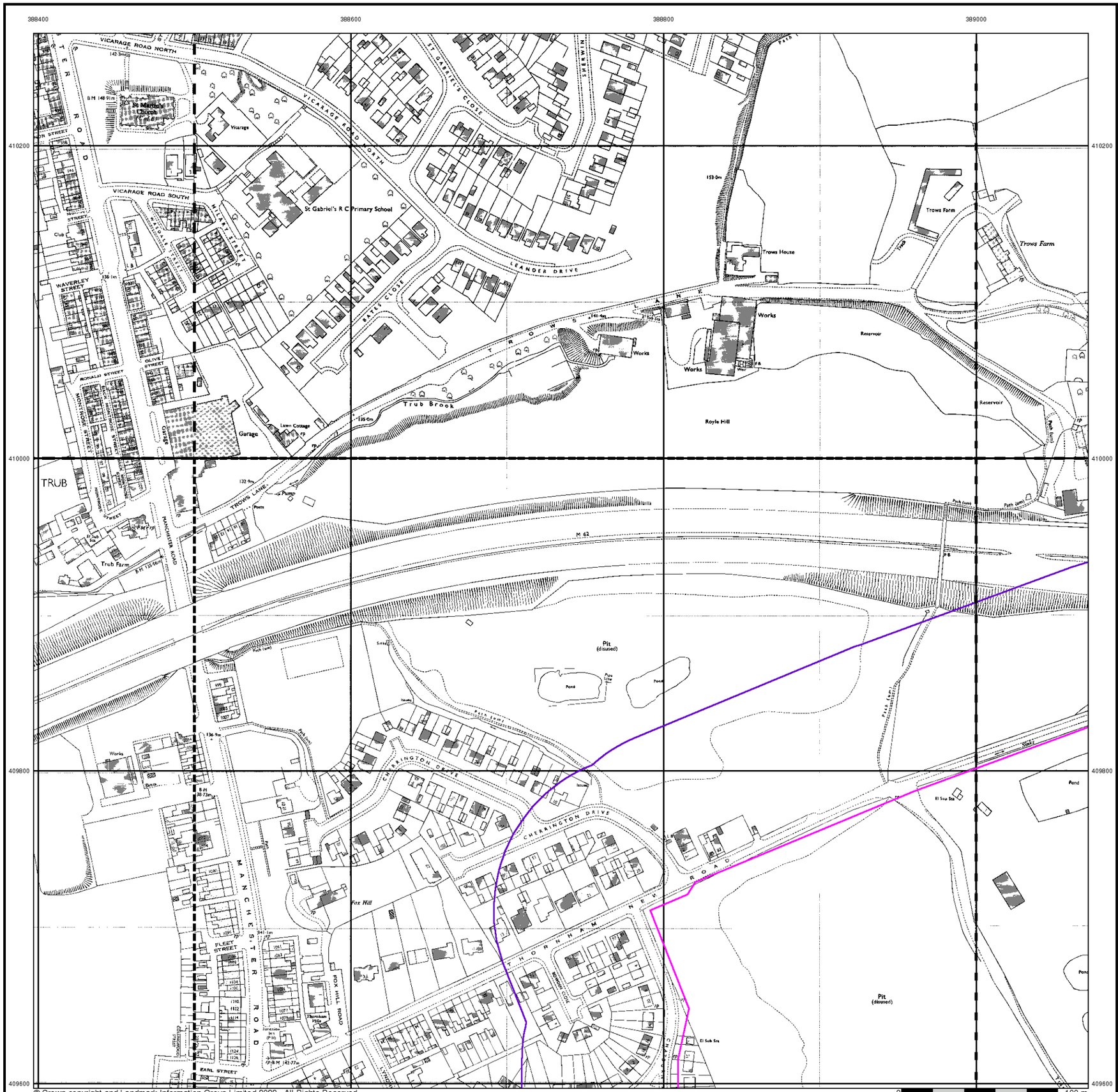
Order Details

Order Number:	300522833_1_1
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Ordnance Survey Plan

Published 1976 - 1981

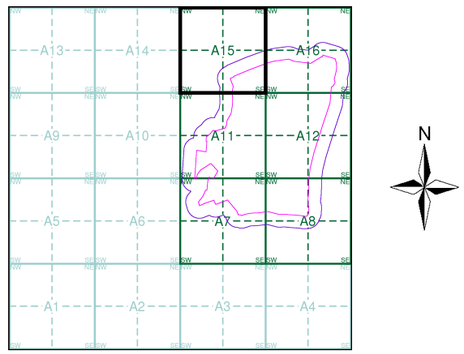
Source map scale - 1:1,250

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)

SD8810SW 1977 1:1,250	SD8810SE 1981 1:1,250	SD8910SW 1976 1:1,250
SD8809NW 1977 1:1,250	SD8809NE 1977 1:1,250	SD8909NW 1977 1:1,250

Historical Map - Segment A15



Order Details

Order Number:	300522833_1_1
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388400 388600 388800 389000

410200 410000 409800 409600

Slopes Fcub Farm Sand and Gravel Pit (disused) Pond Chernocks Drive Fox Hill MANCHESTER ROAD THORNHAM LANE Sand and Gravel Pit (Dis) Works

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0 100 m

RSK

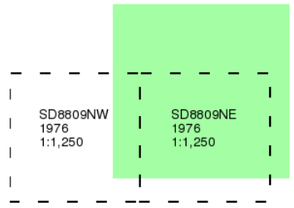
Supply of Unpublished Survey Information

Published 1976

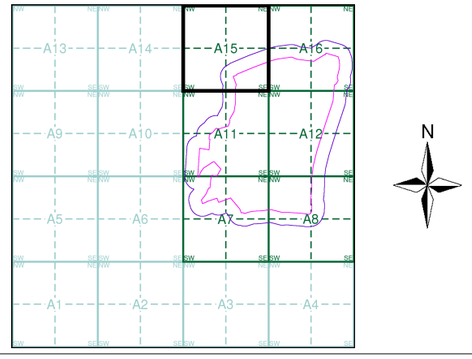
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A15



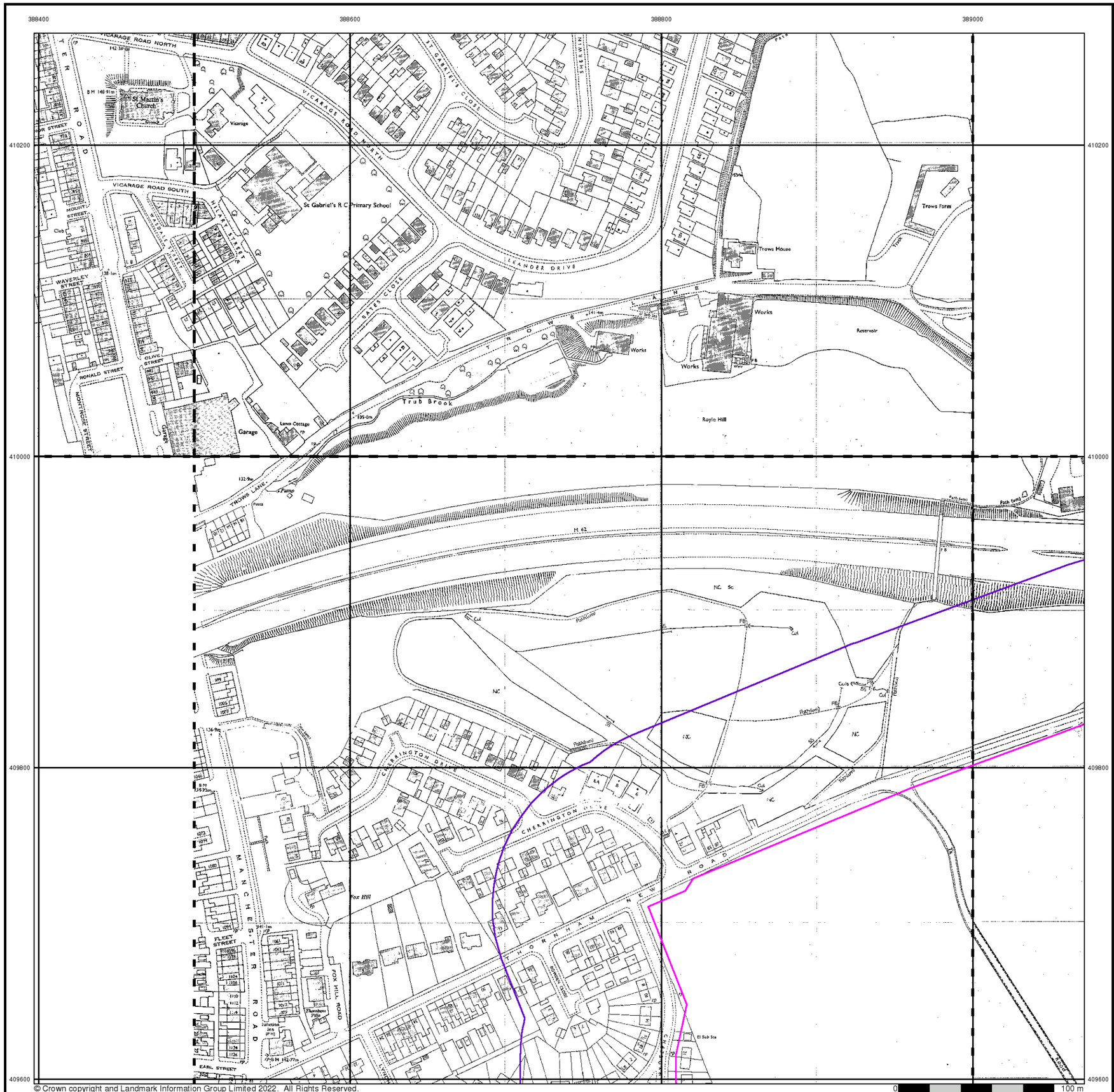
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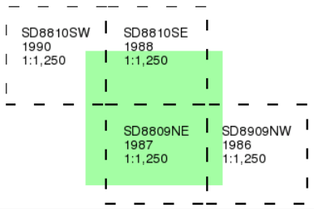
Additional SIMs

Published 1986 - 1990

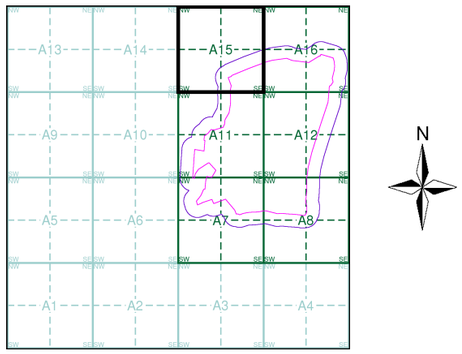
Source map scale - 1:1,250

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

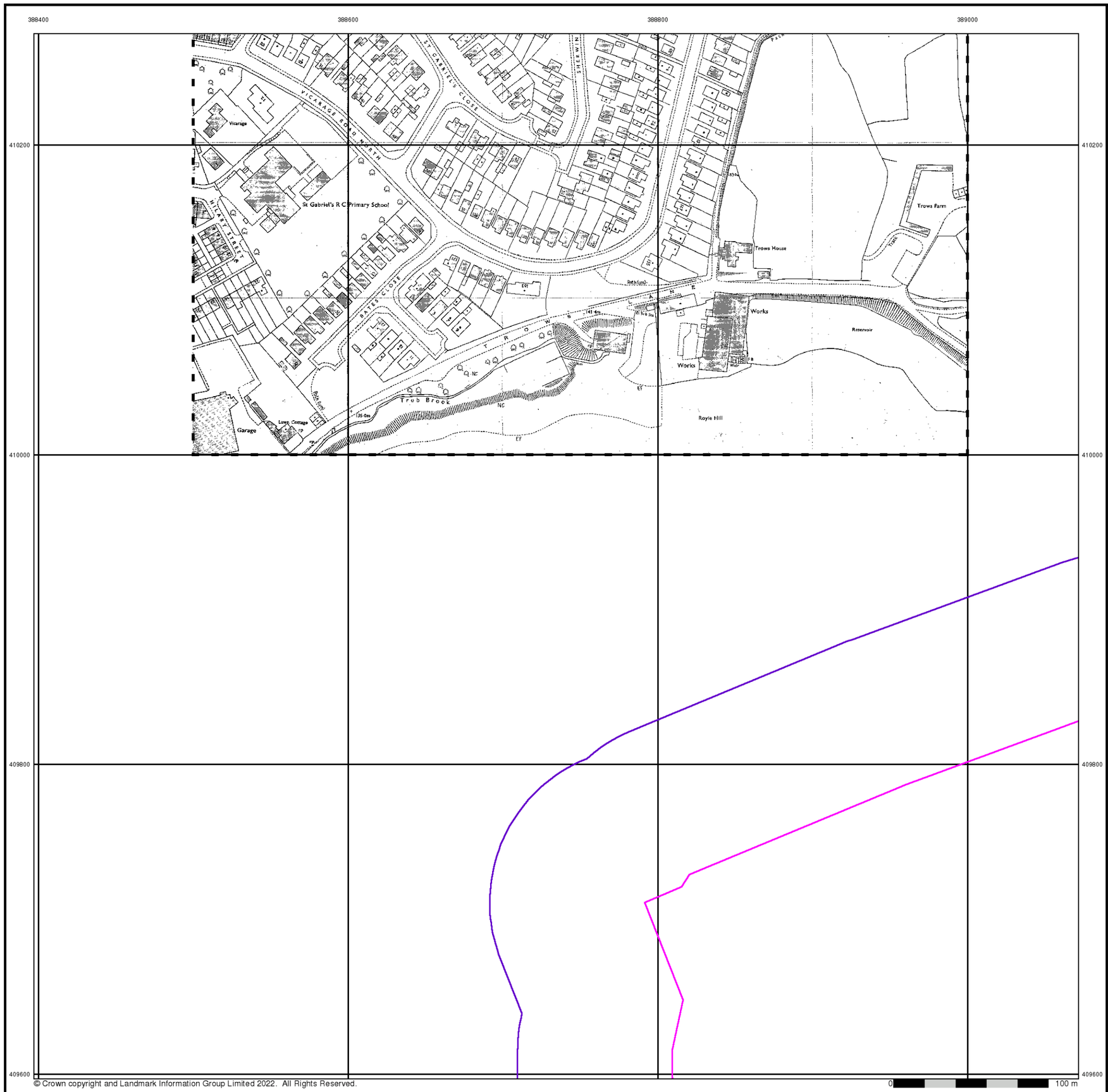
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
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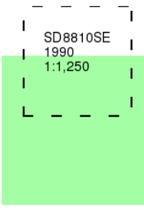
Additional SIMs

Published 1990

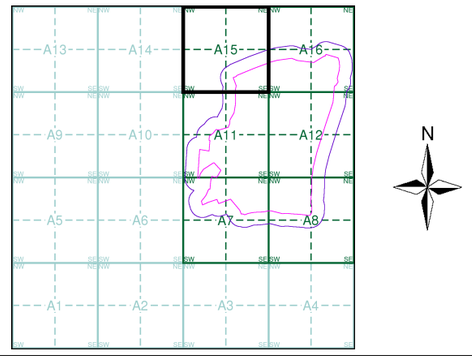
Source map scale - 1:1,250

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

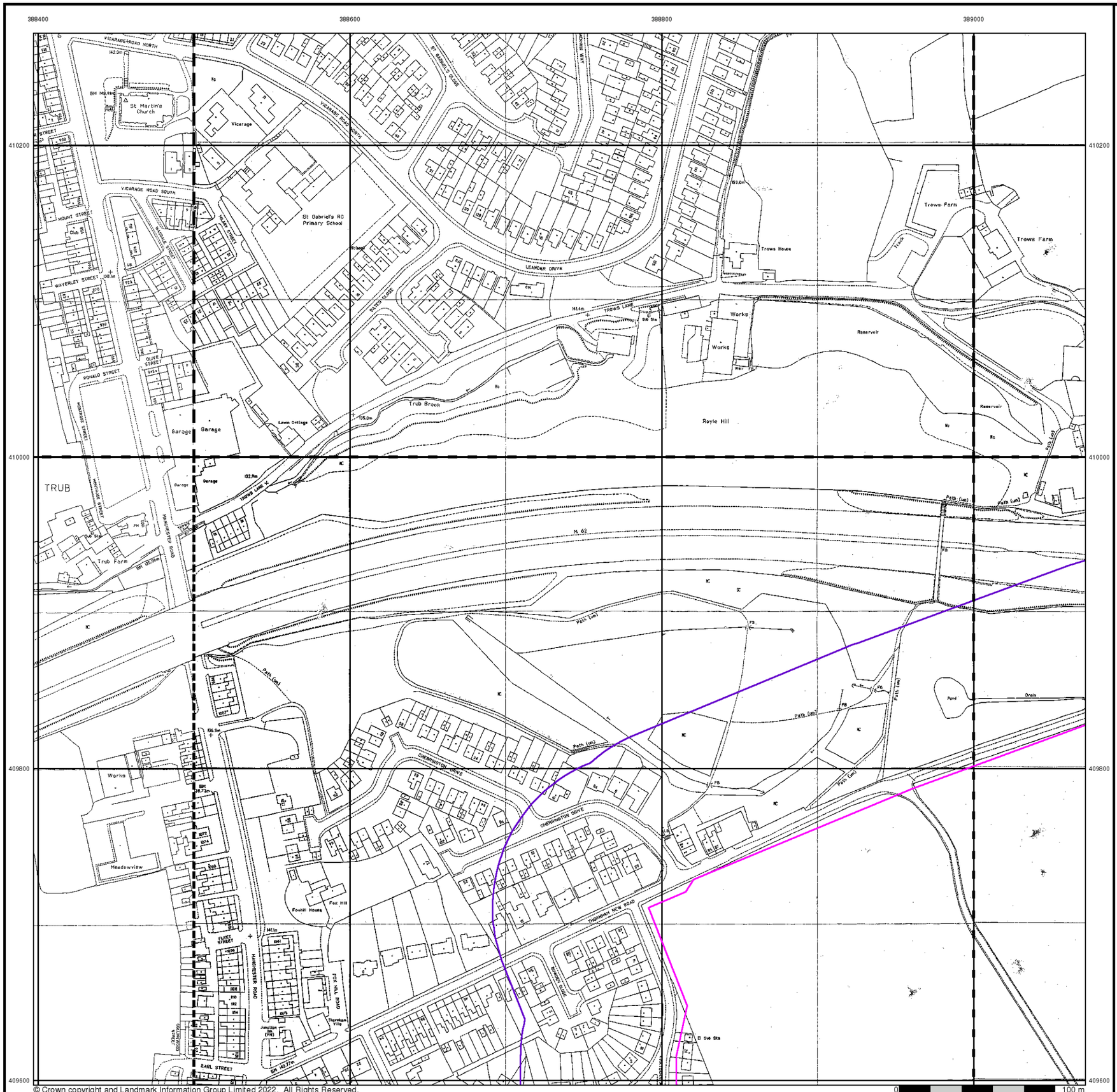
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
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Site Details

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Large-Scale National Grid Data

Published 1992

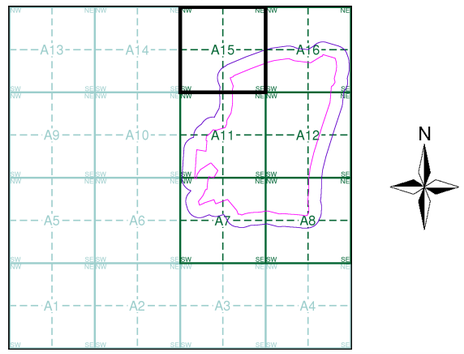
Source map scale - 1:1,250

'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)

SD8810SW 1992 1:1,250	SD8810SE 1992 1:1,250	SD8910SW 1992 1:1,250
SD8809NW 1992 1:1,250	SD8809NE 1992 1:1,250	SD8909NW 1992 1:1,250

Historical Map - Segment A15



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
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Site Details

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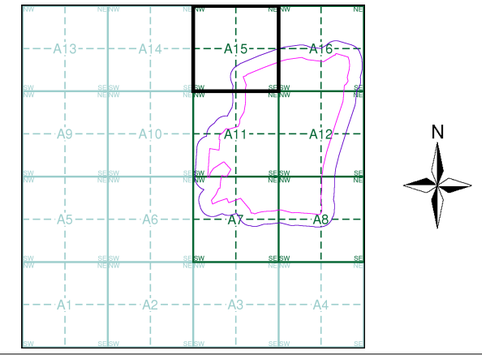
RSK

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



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

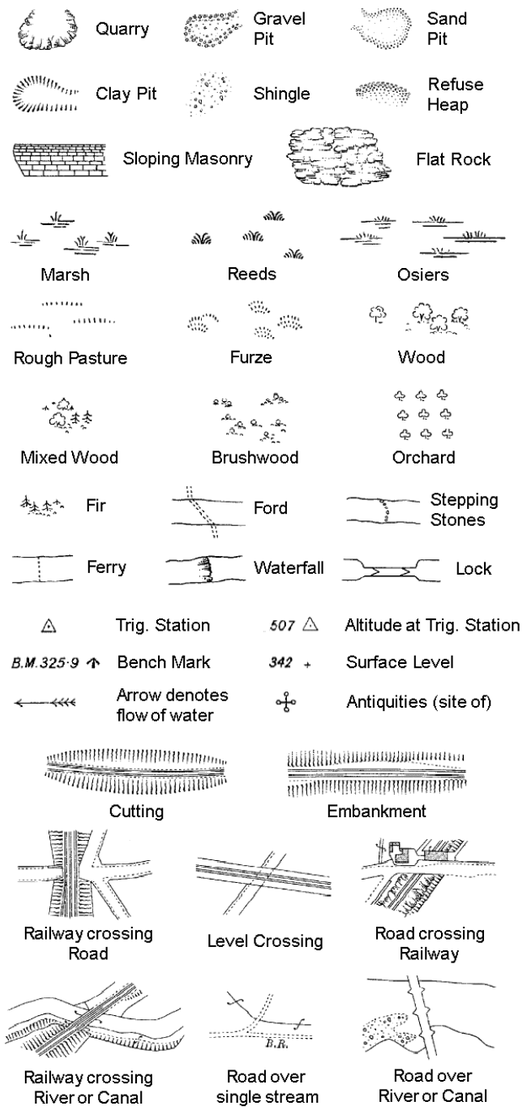
Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

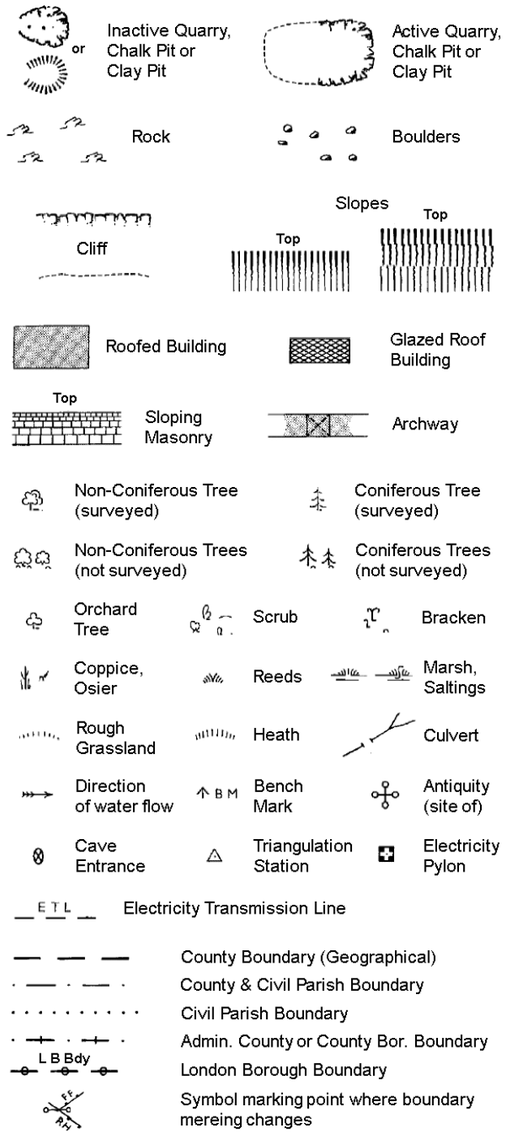
Administrative County & Civil Parish Boundary

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

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

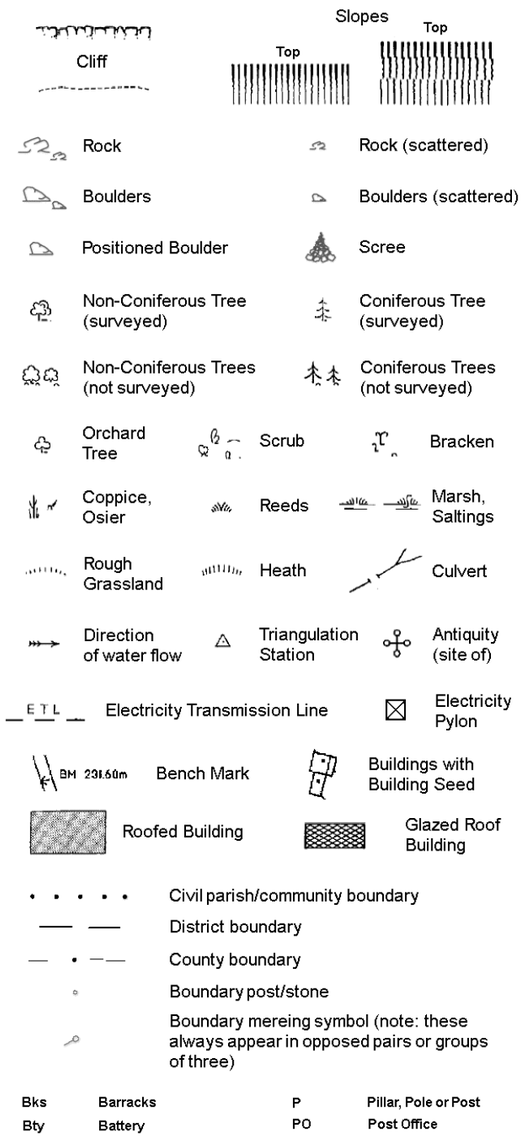
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

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

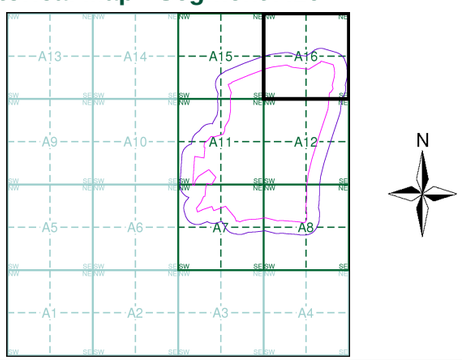
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1890 - 1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1929 - 1930	4
Lancashire And Furness	1:2,500	1937	5
Ordnance Survey Plan	1:2,500	1956	6
Ordnance Survey Plan	1:1,250	1956	7
Ordnance Survey Plan	1:2,500	1970	8
Supply of Unpublished Survey Information	1:1,250	1975	9
Ordnance Survey Plan	1:1,250	1976 - 1977	10
Additional SIMs	1:1,250	1986	11
Large-Scale National Grid Data	1:1,250	1992	12
Historical Aerial Photography	1:2,500	2000	13

Historical Map - Segment A16



Order Details

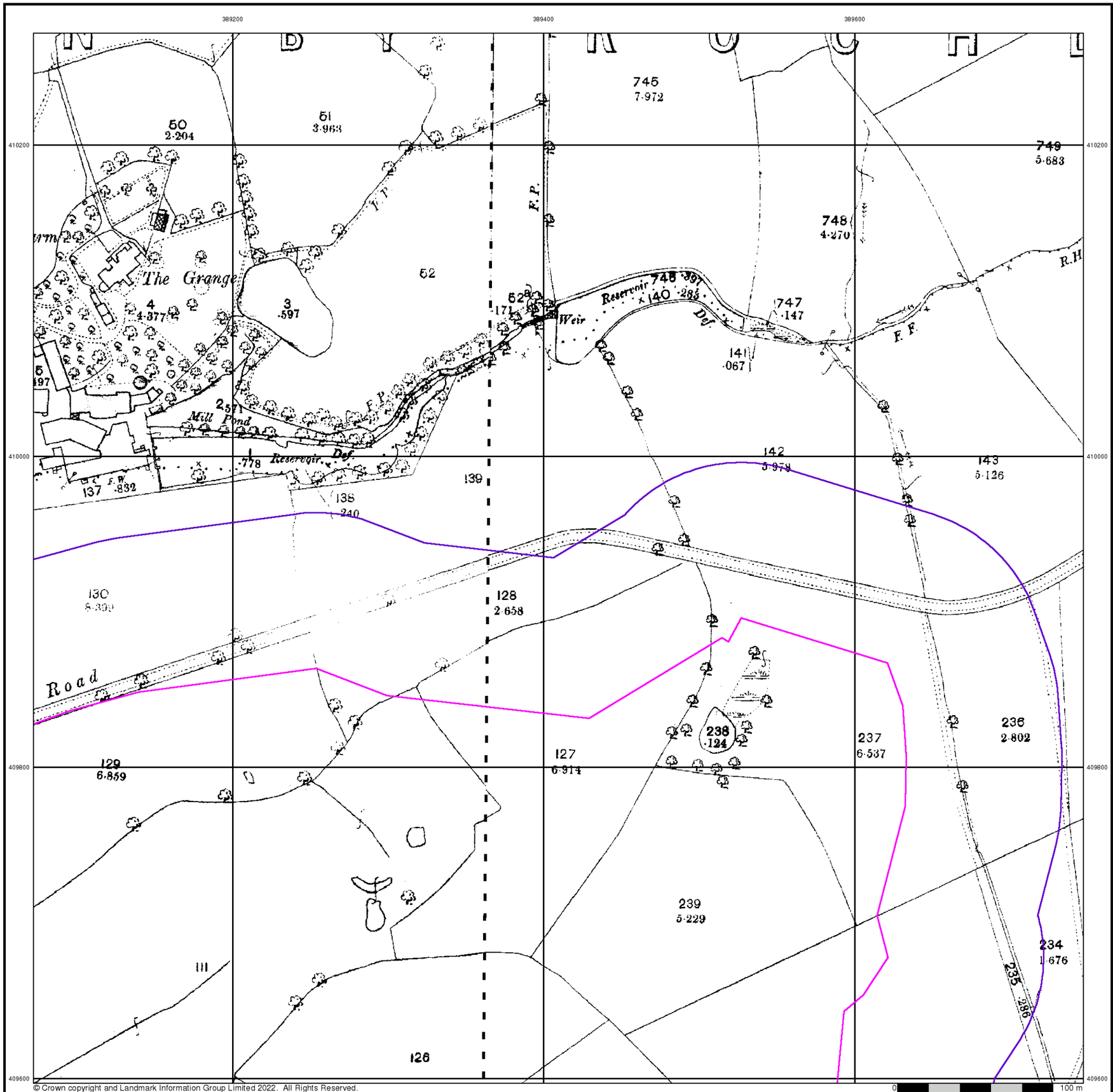
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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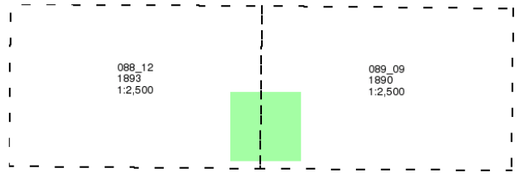
Lancashire And Furness

Published 1890 - 1893

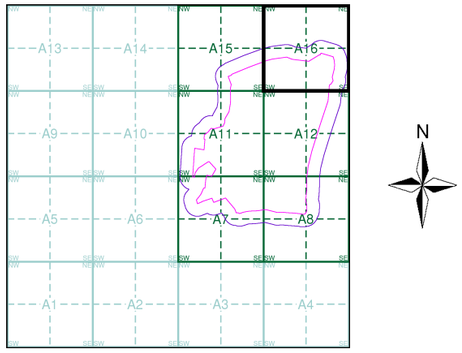
Source map scale - 1:2,500

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



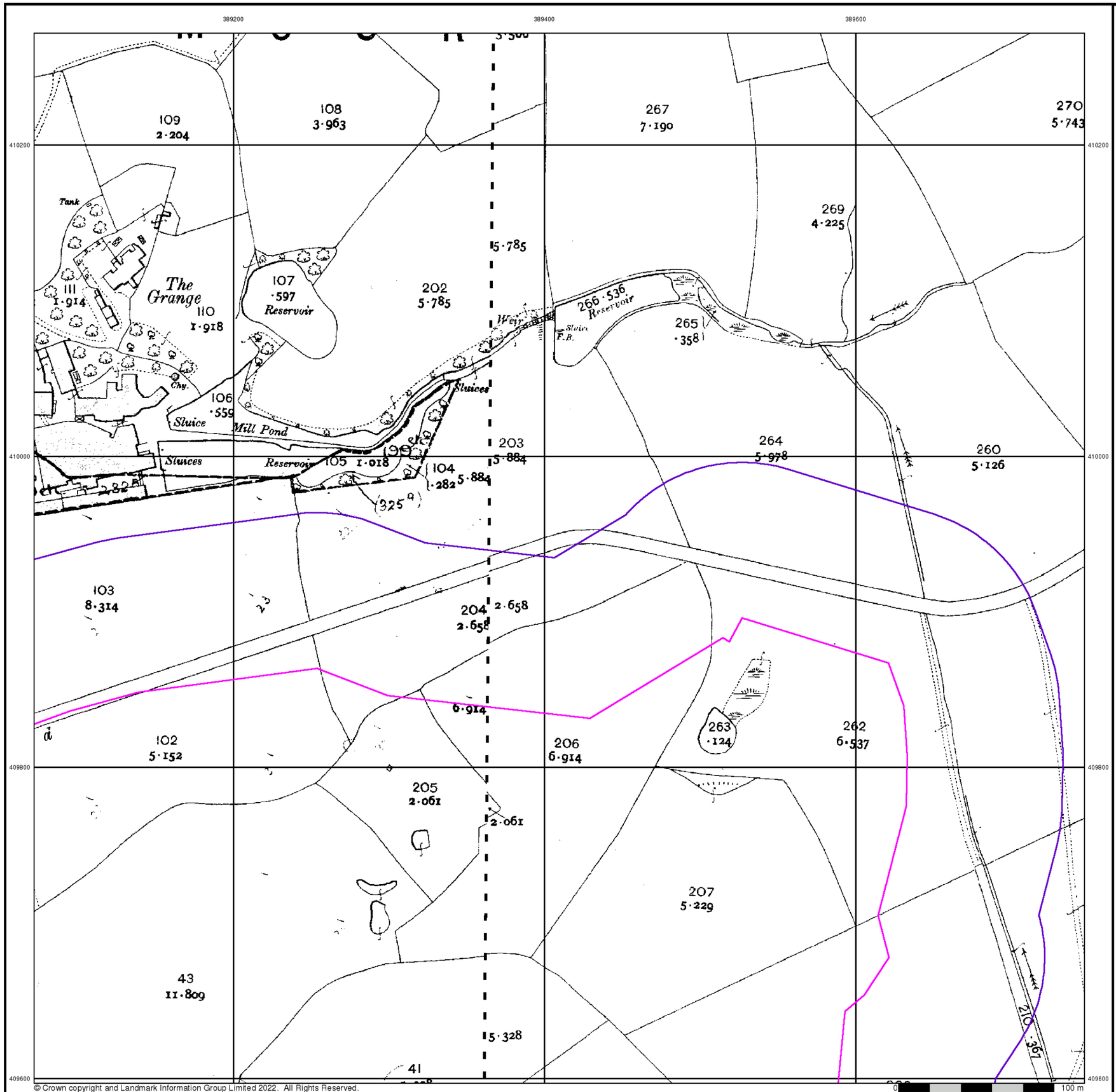
Order Details

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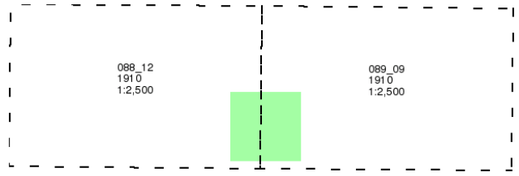
Lancashire And Furness

Published 1910

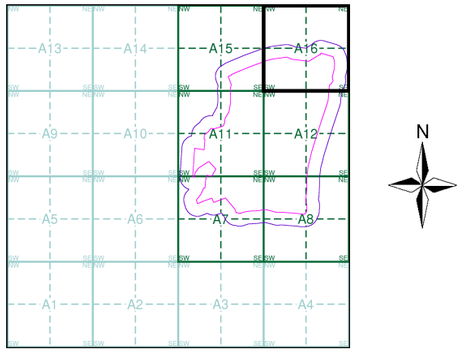
Source map scale - 1:2,500

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



Order Details

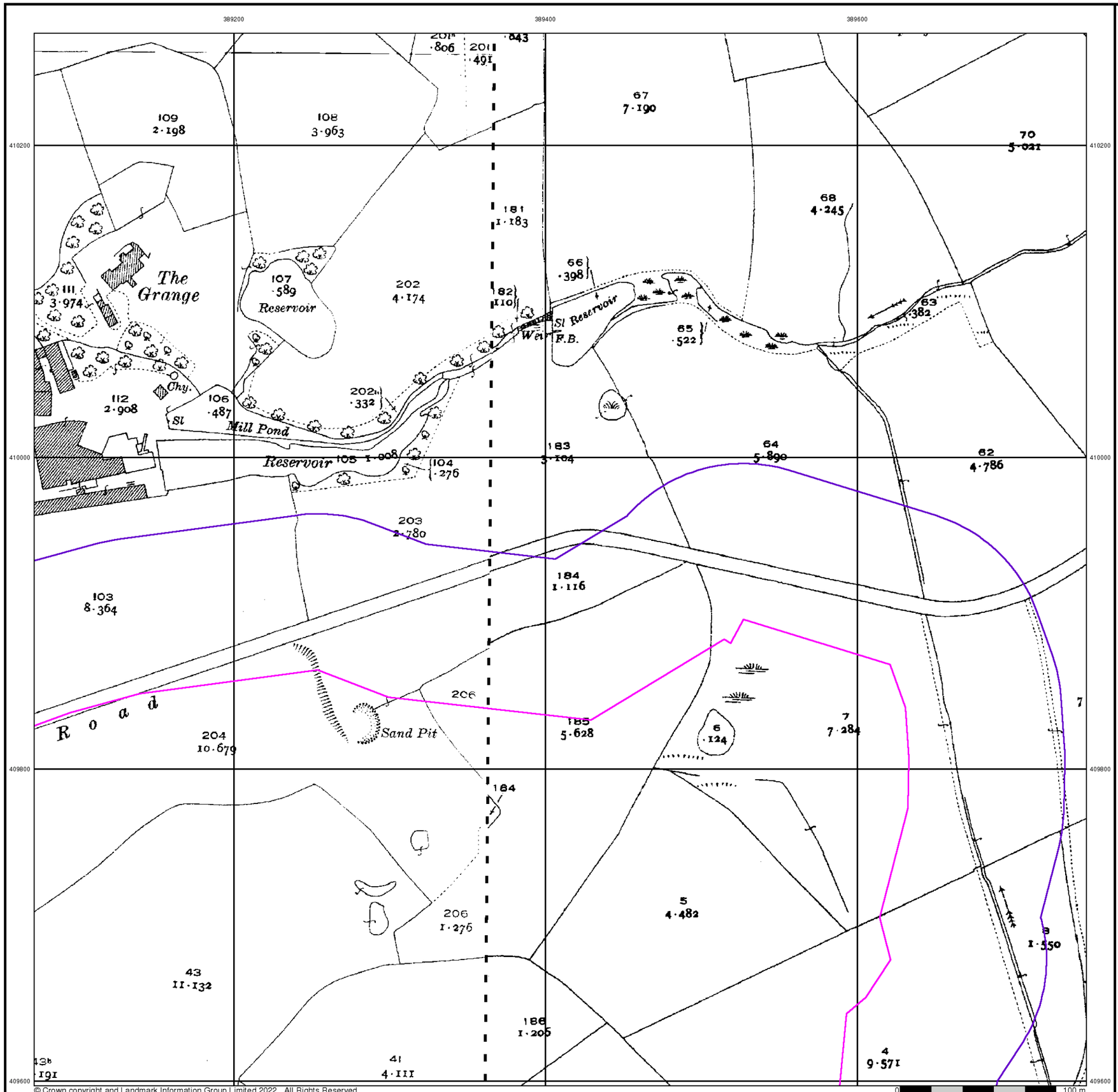
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Customer Ref:	322974
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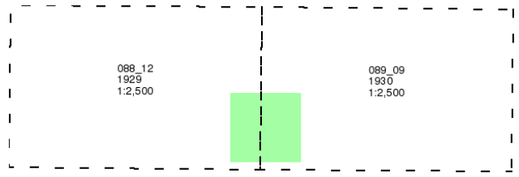
Lancashire And Furness

Published 1929 - 1930

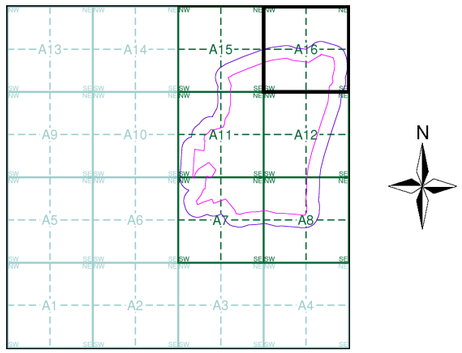
Source map scale - 1:2,500

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



Order Details

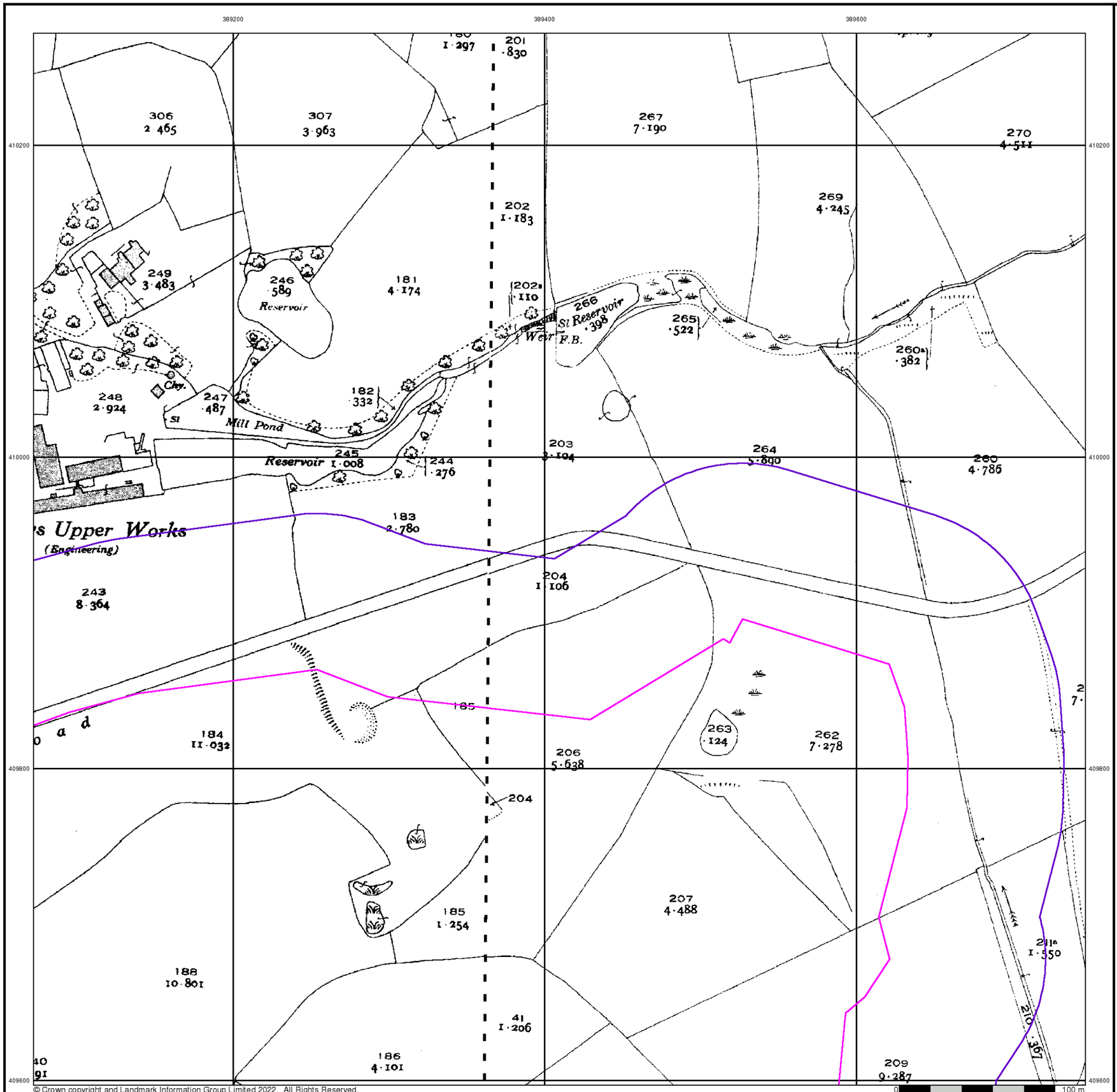
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Customer Ref:	322974
National Grid Reference:	388720, 408980
Slice:	A
Site Area (Ha):	95.3
Search Buffer (m):	100

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

Landmark INFORMATION GROUP

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Web: www.envirocheck.co.uk



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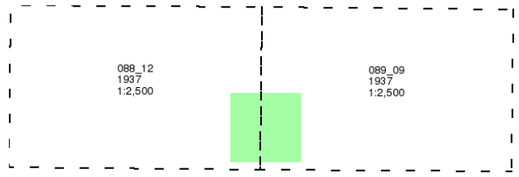
Lancashire And Furness

Published 1937

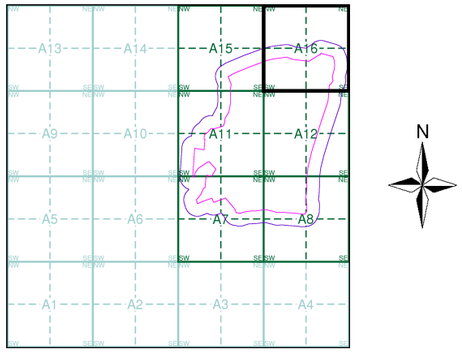
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A16



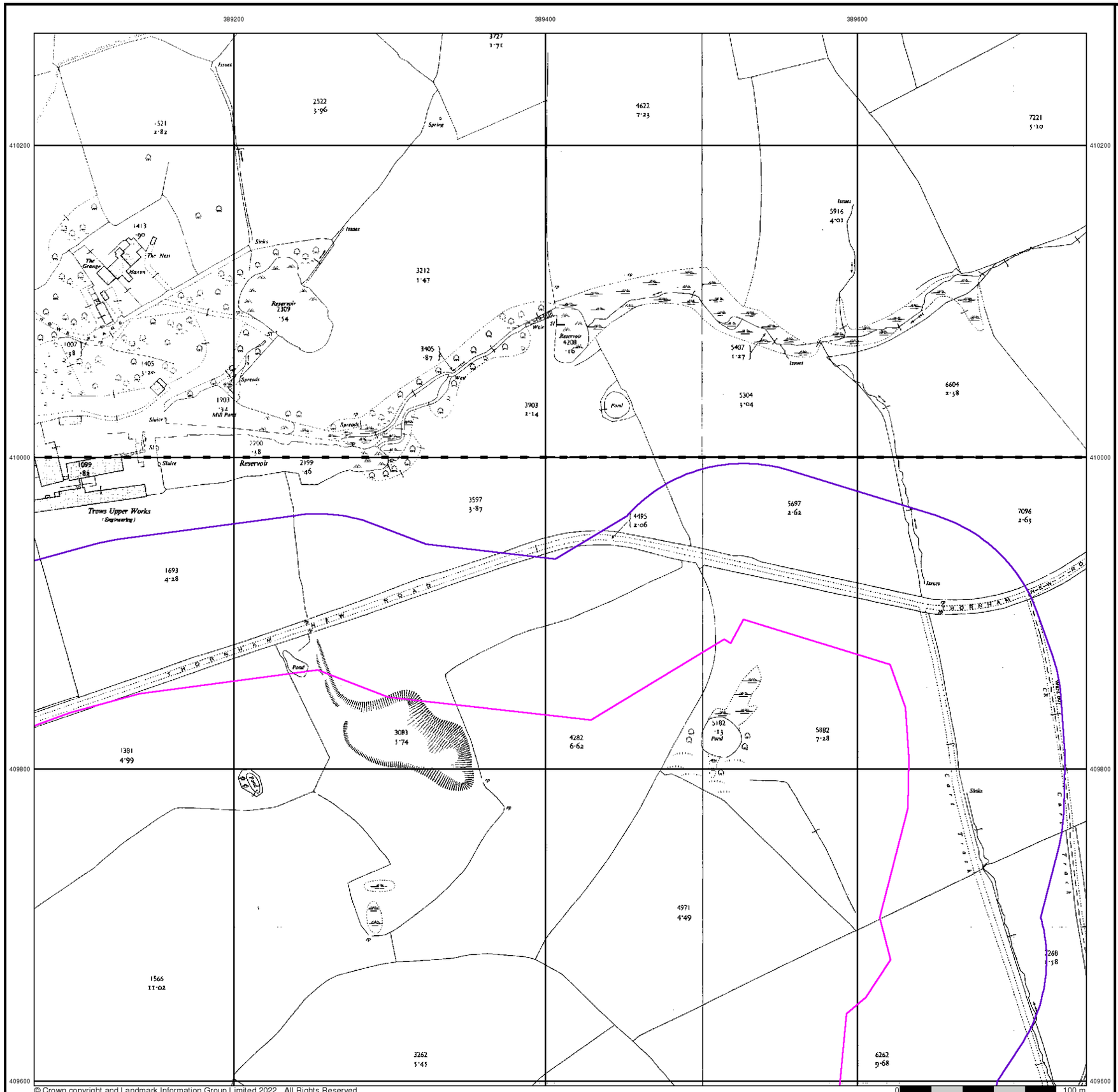
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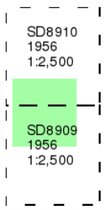
Ordnance Survey Plan

Published 1956

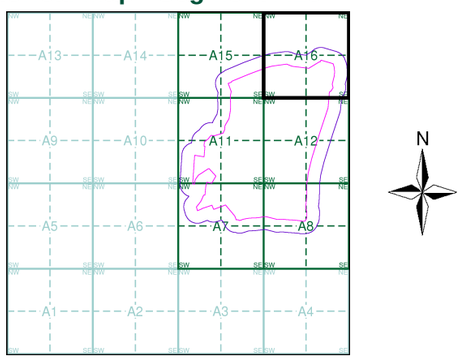
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A16



Order Details

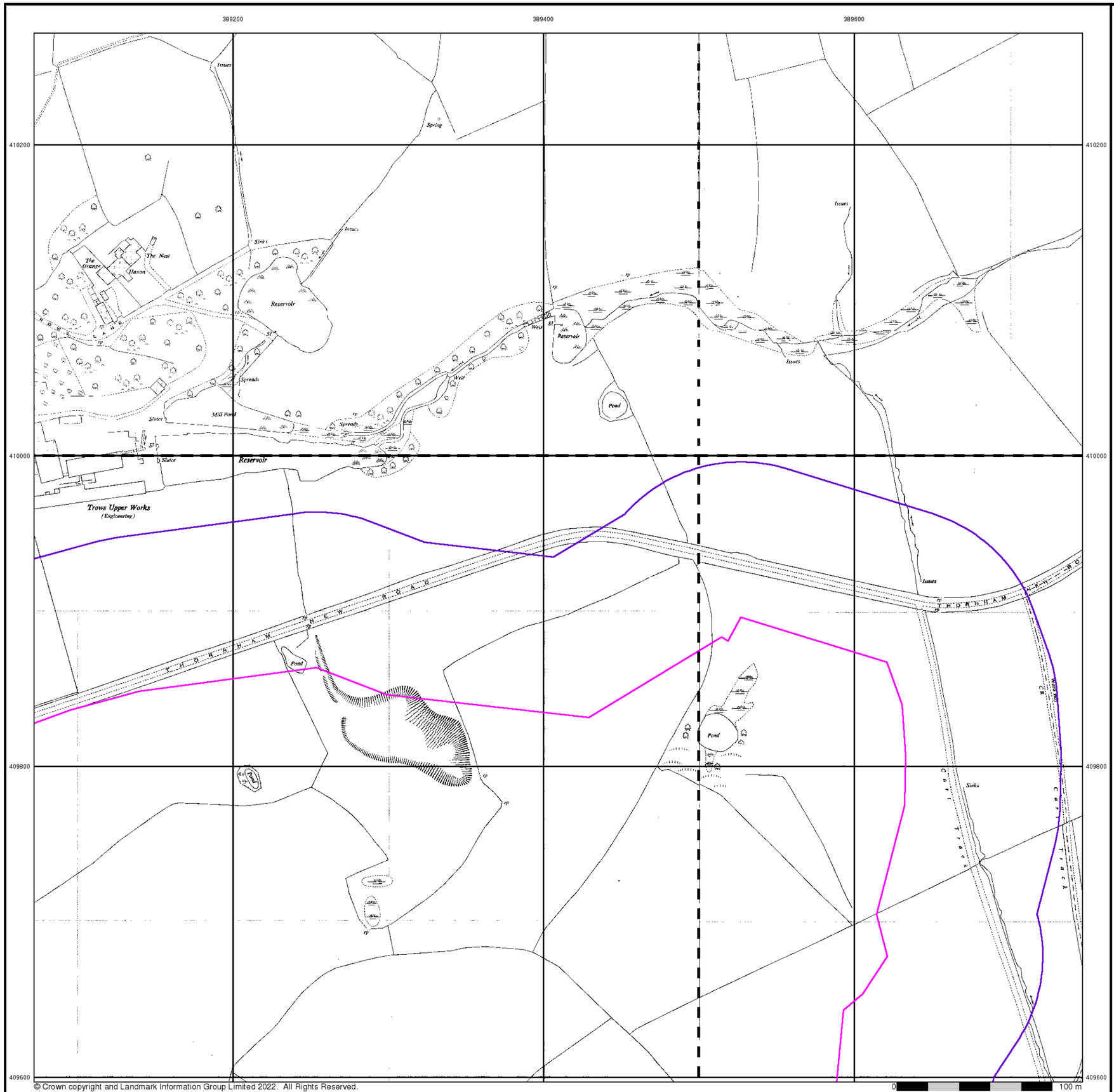
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RSK

Ordnance Survey Plan

Published 1956

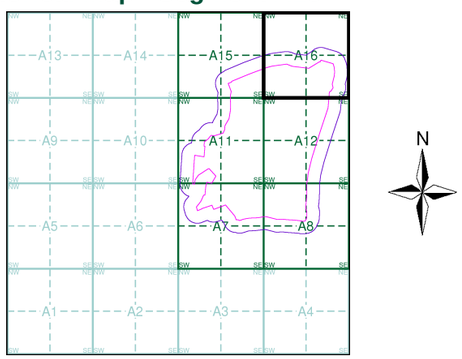
Source map scale - 1:1,250

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)

SD8910SW 1956 1:1,250
SD8910SE 1956 1:1,250
SD8909NW 1956 1:1,250
SD8909NE 1956 1:1,250

Historical Map - Segment A16



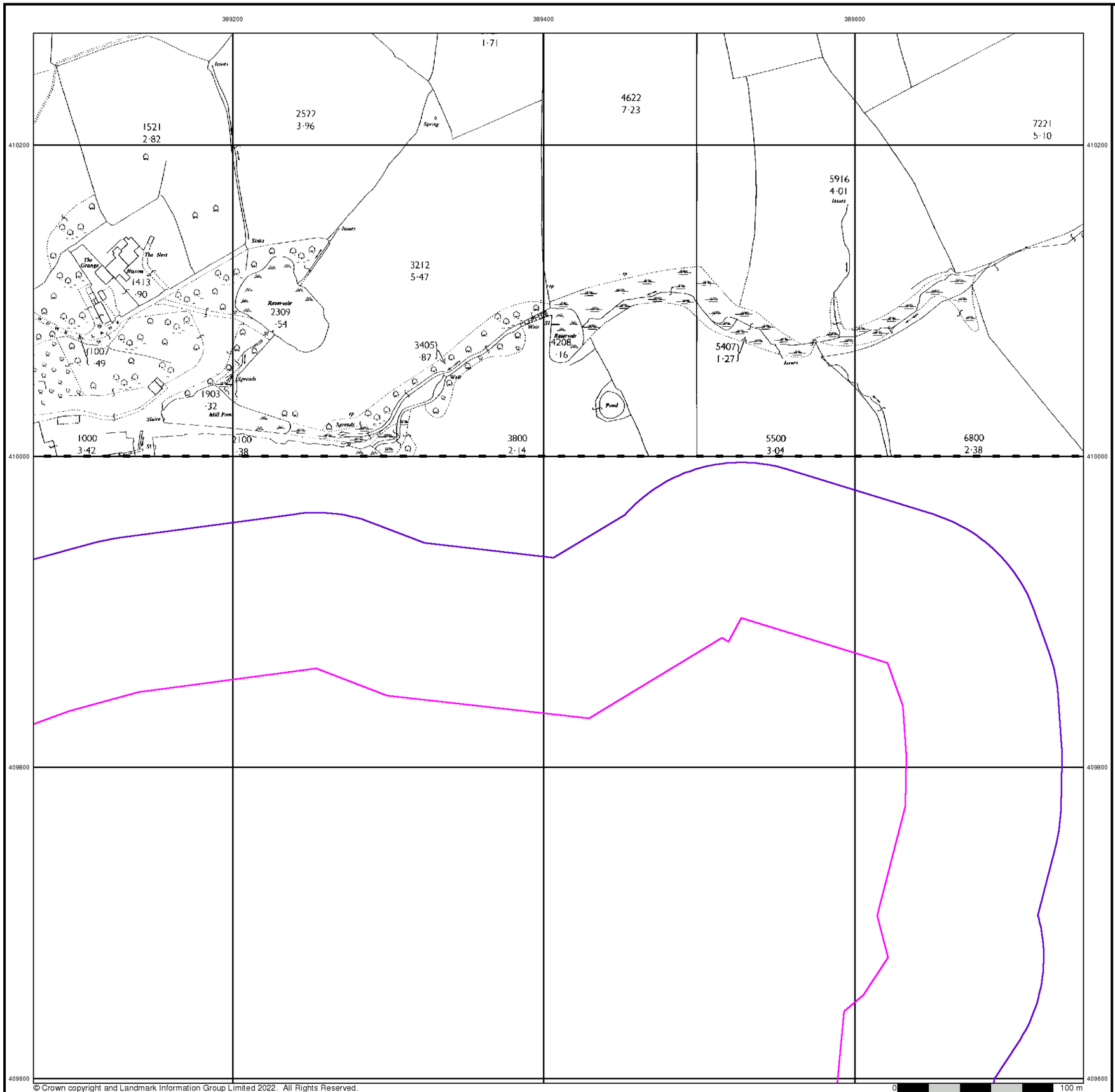
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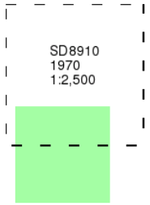
Ordnance Survey Plan

Published 1970

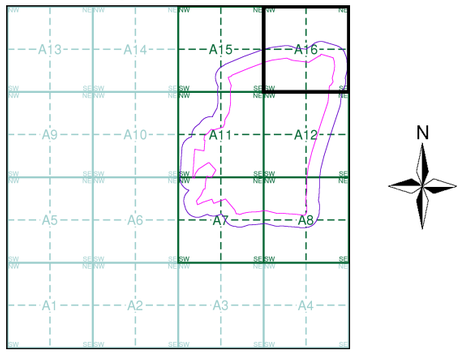
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A16



Order Details

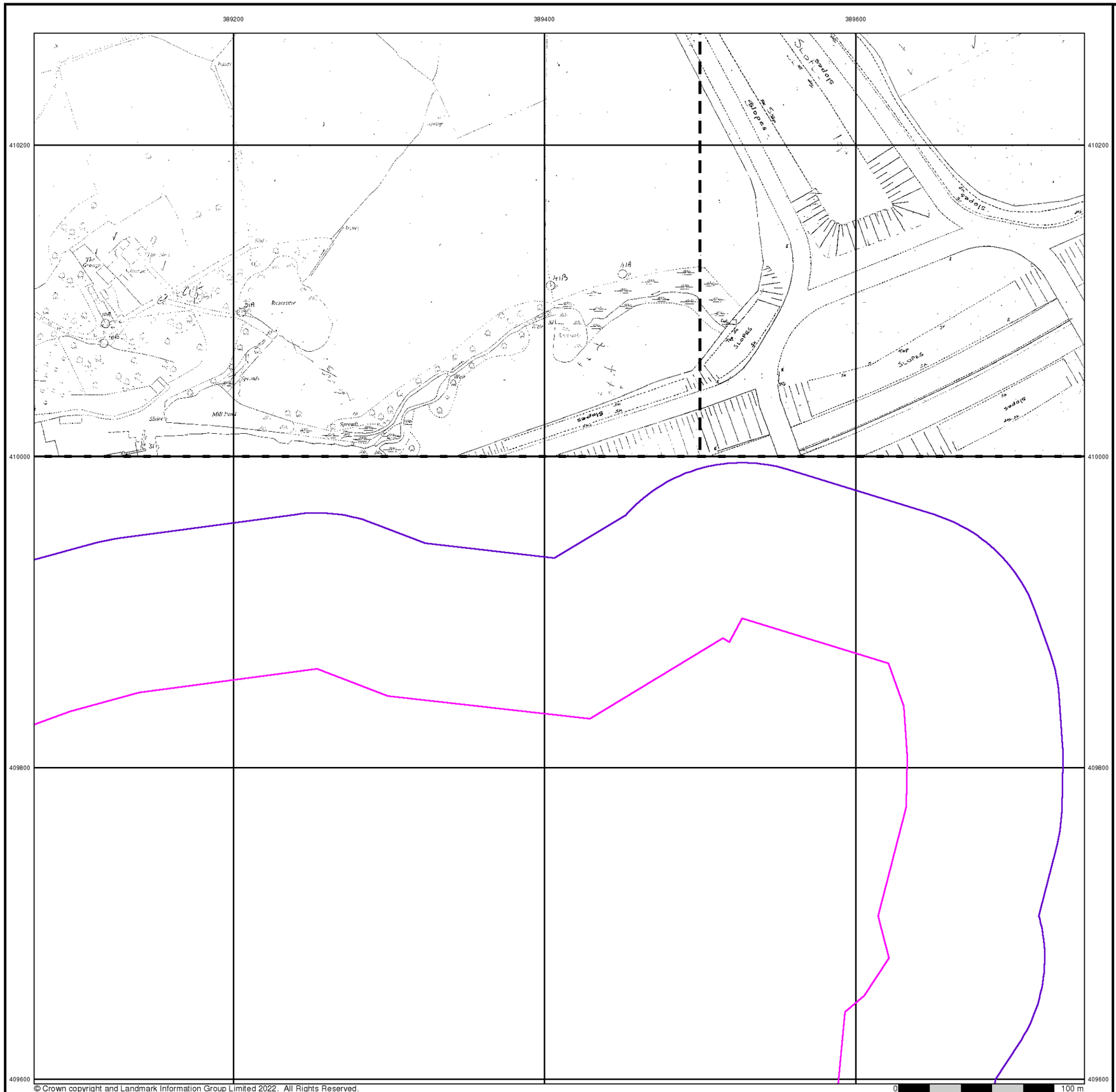
Order Number:	300522833_1_1
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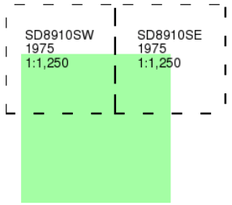
Supply of Unpublished Survey Information

Published 1975

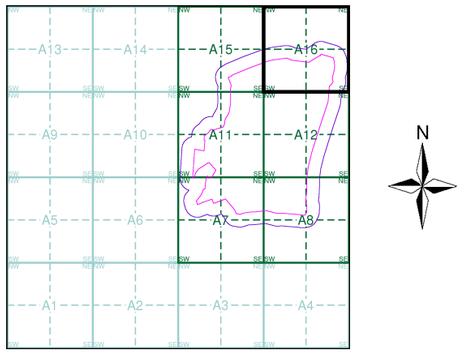
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A16



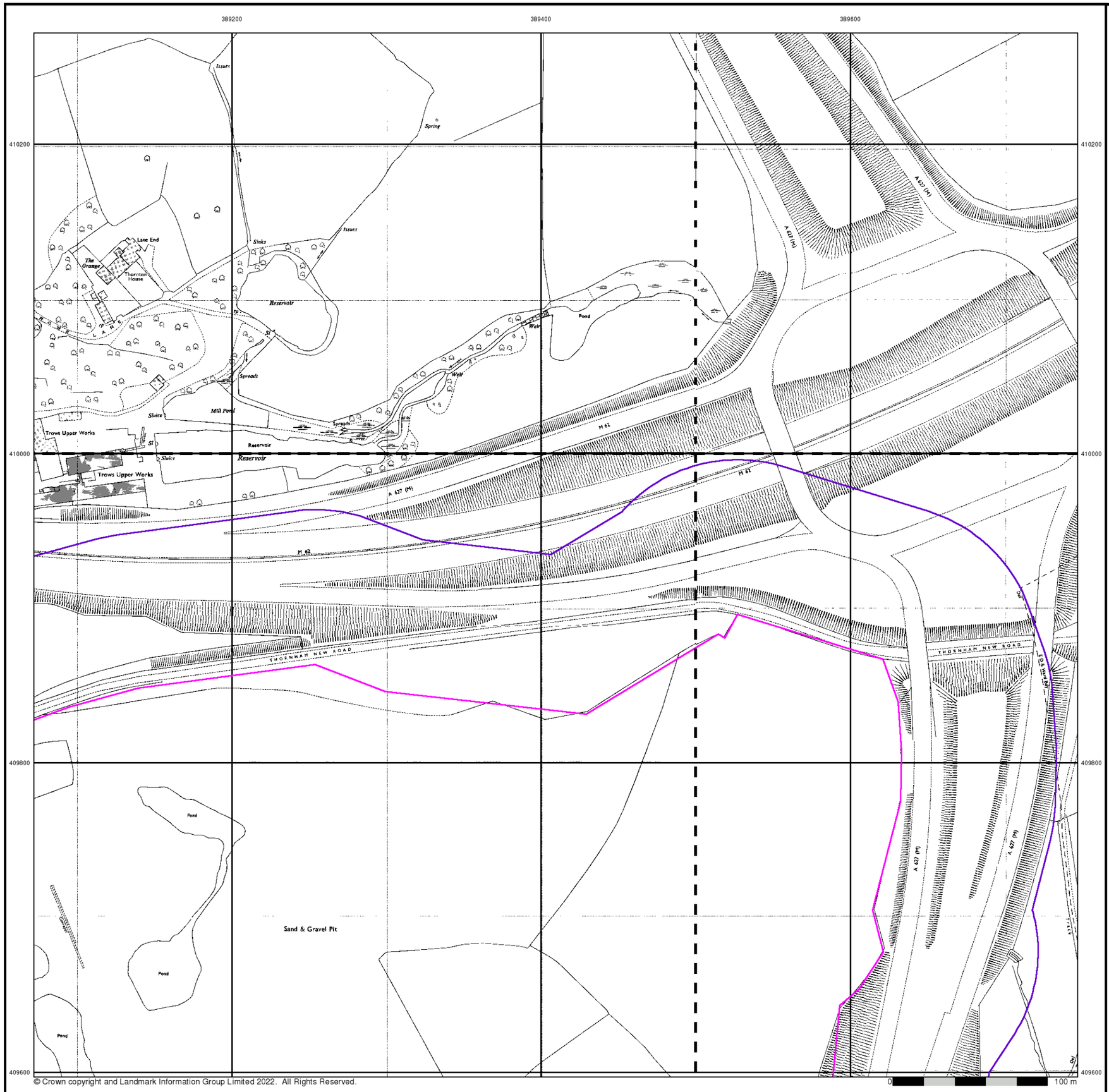
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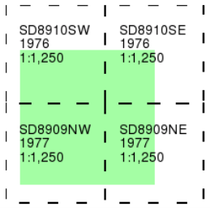
Ordnance Survey Plan

Published 1976 - 1977

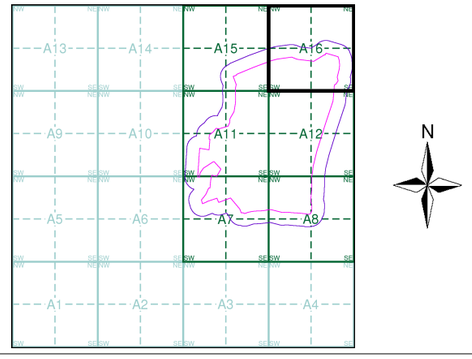
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A16



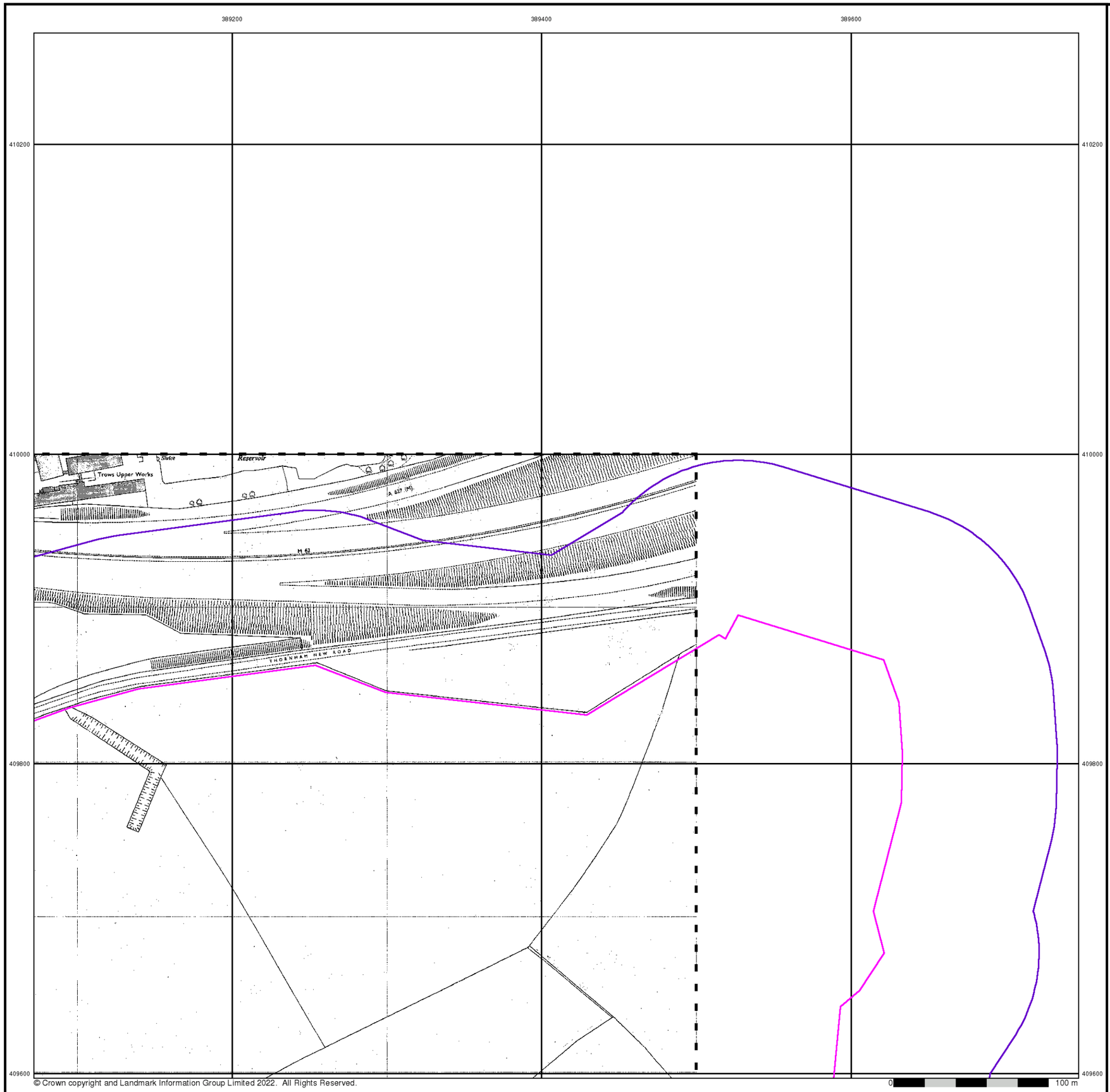
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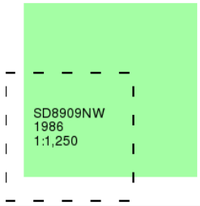
Additional SIMs

Published 1986

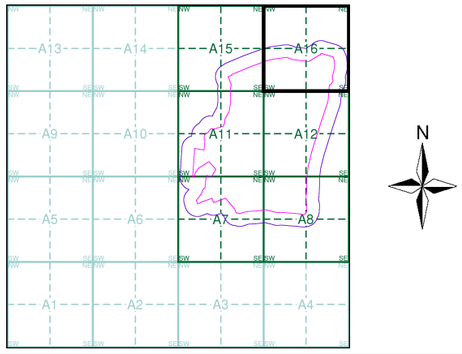
Source map scale - 1:1,250

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 A16



Order Details

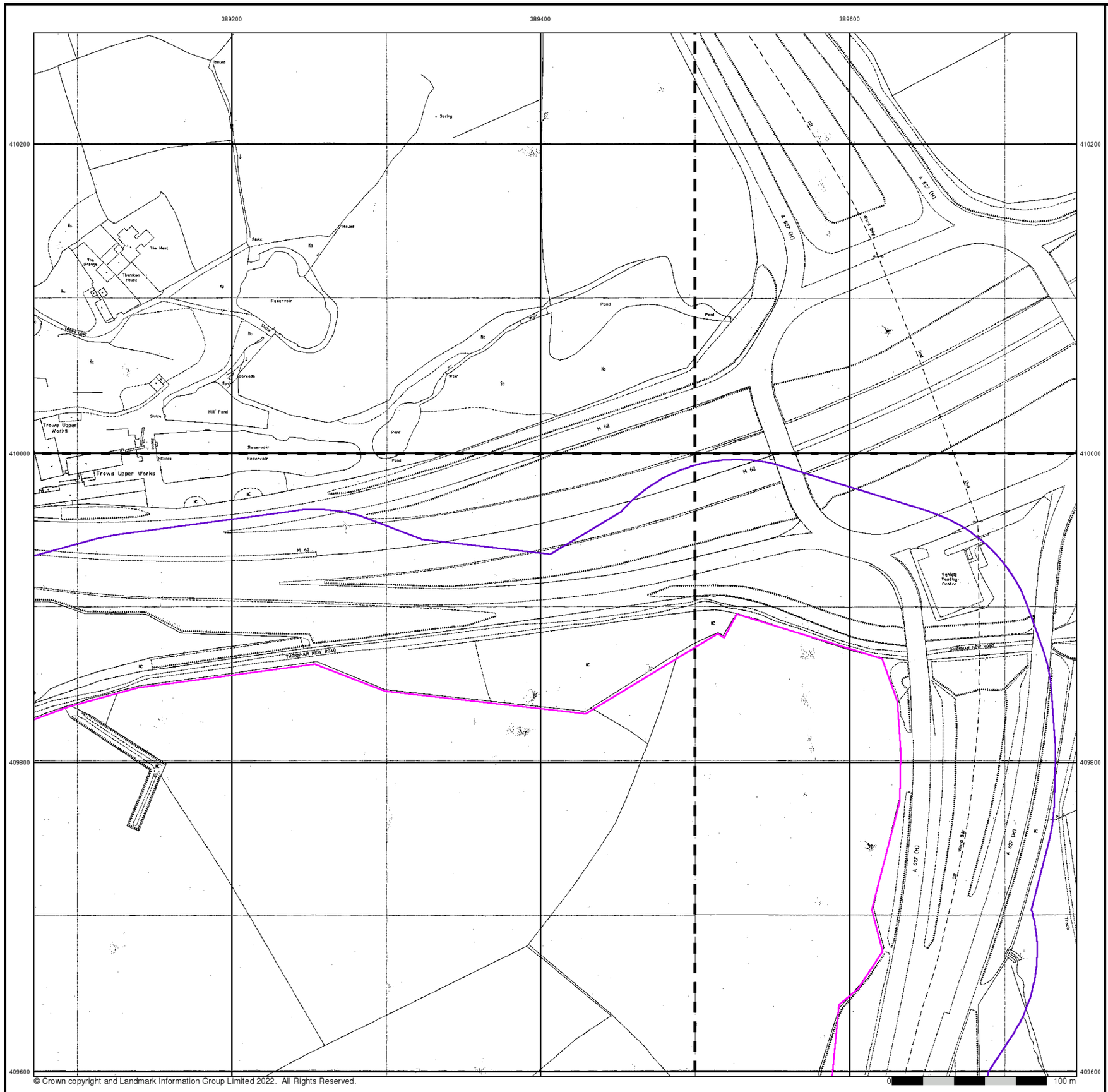
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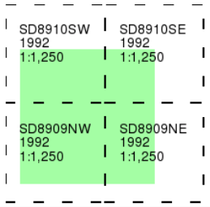
Large-Scale National Grid Data

Published 1992

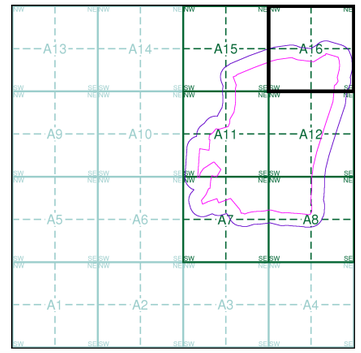
Source map scale - 1:1,250

'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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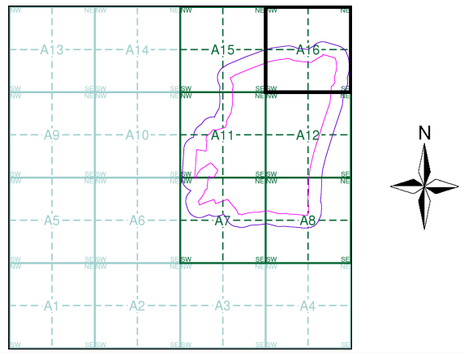
RSK

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



Order Details

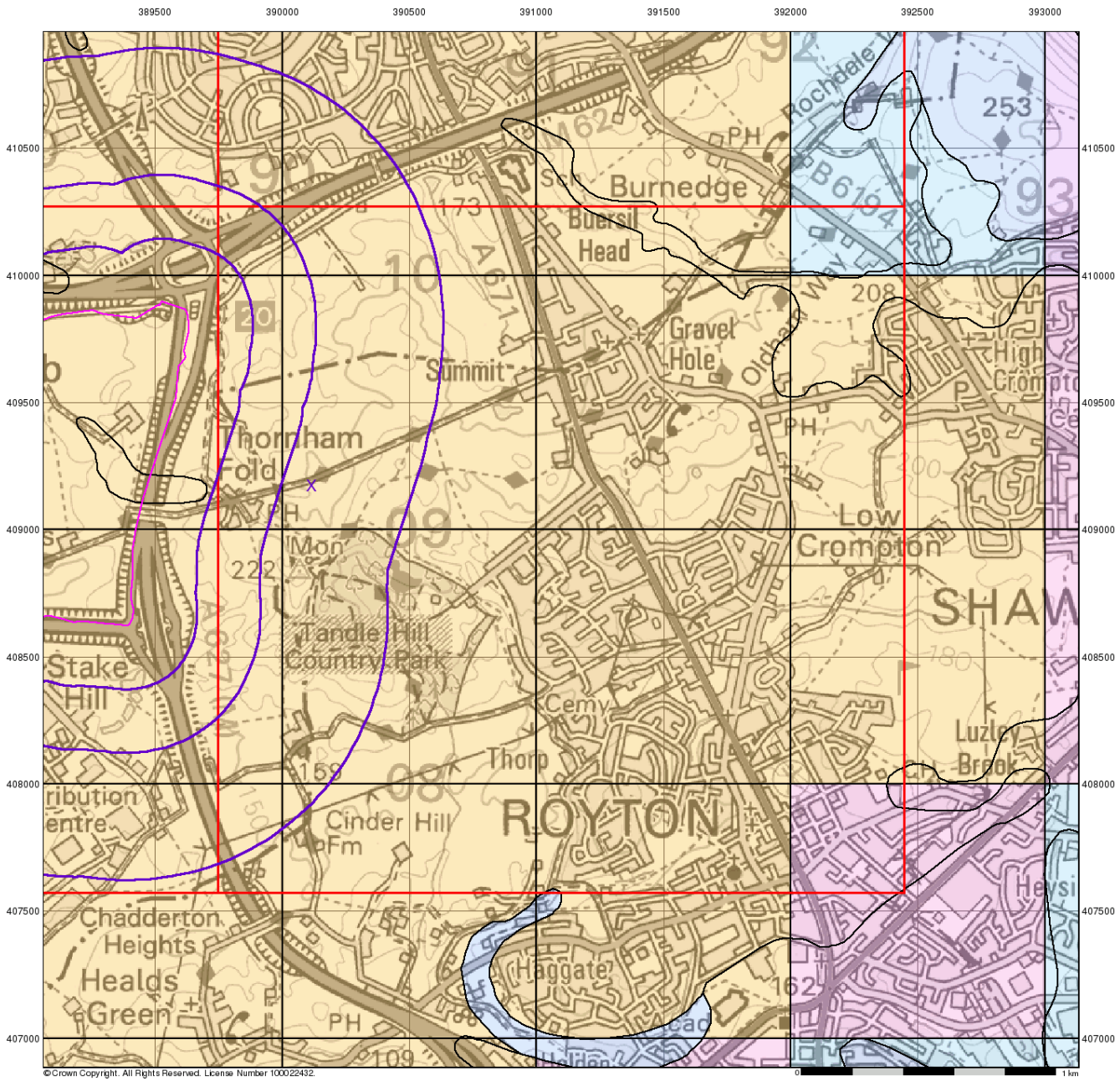
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Groundwater Vulnerability

General

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

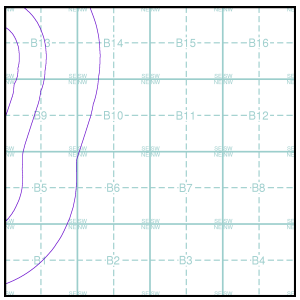
Agency and Hydrological

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



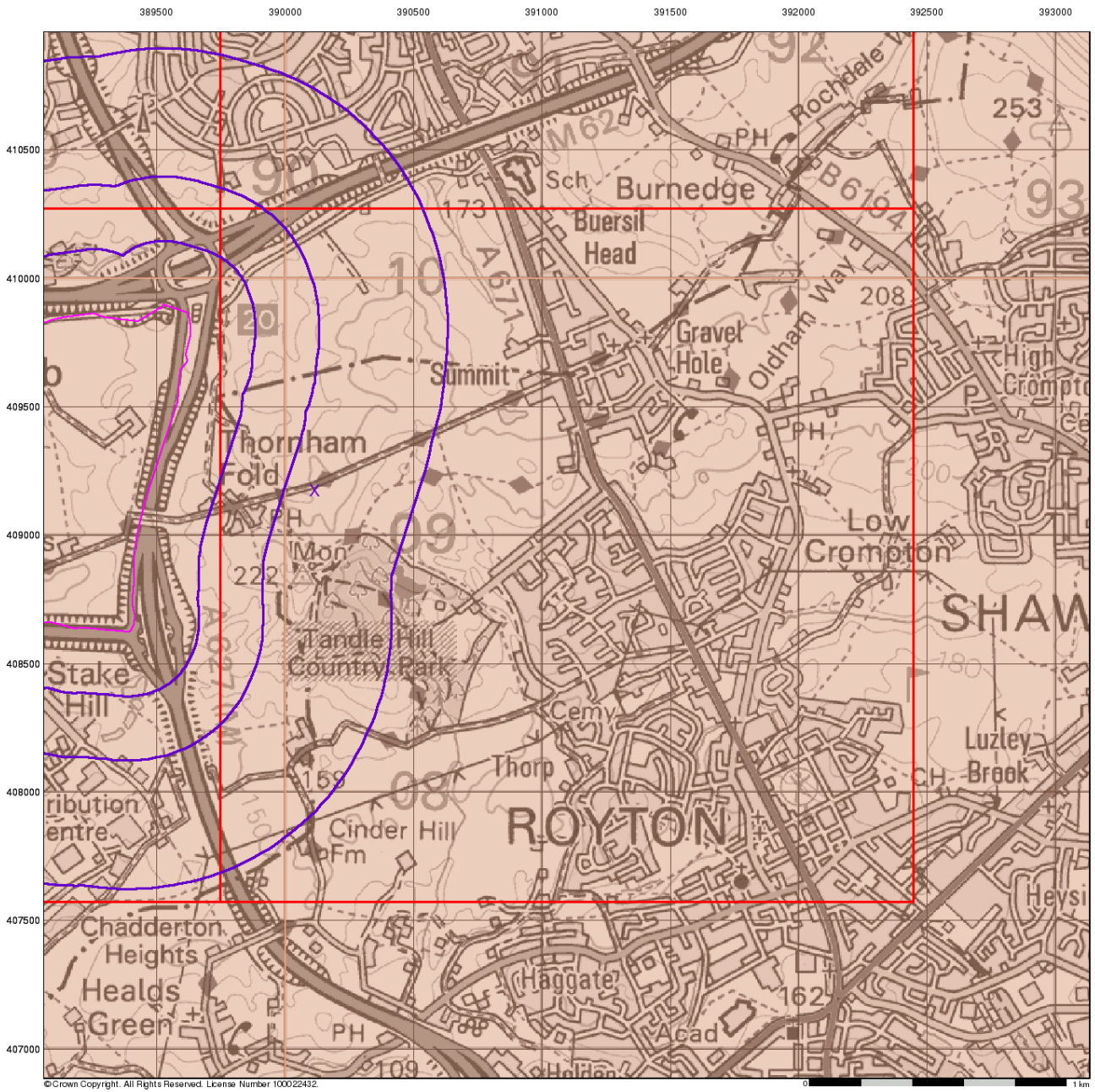
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National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

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Bedrock Aquifer Designation

General

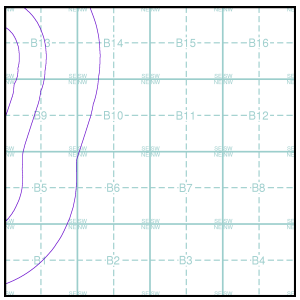
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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

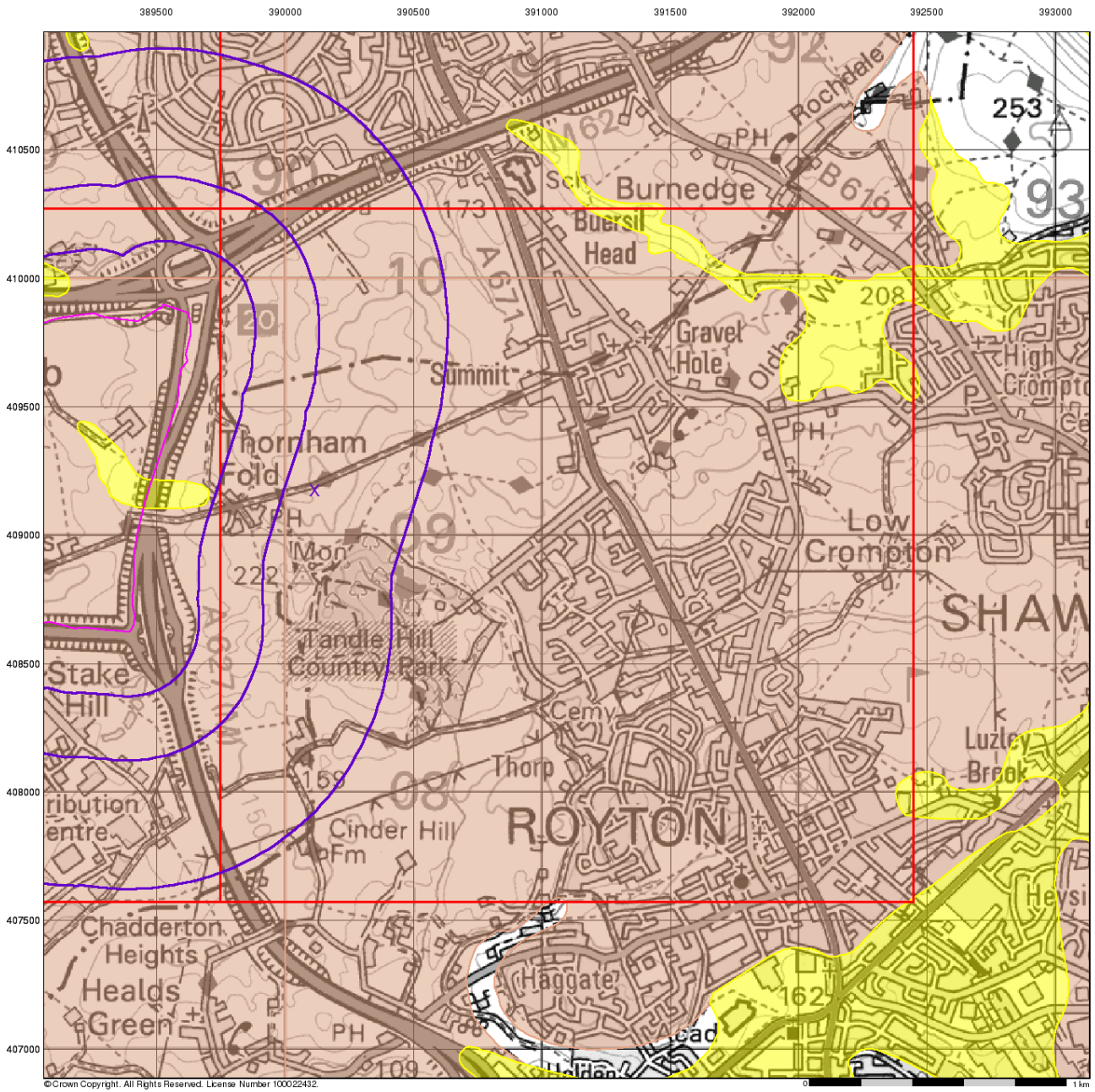


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Site Area (Ha):	95.3
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Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH



Superficial Aquifer Designation

General

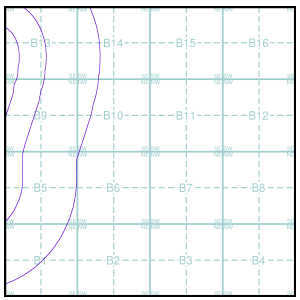
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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



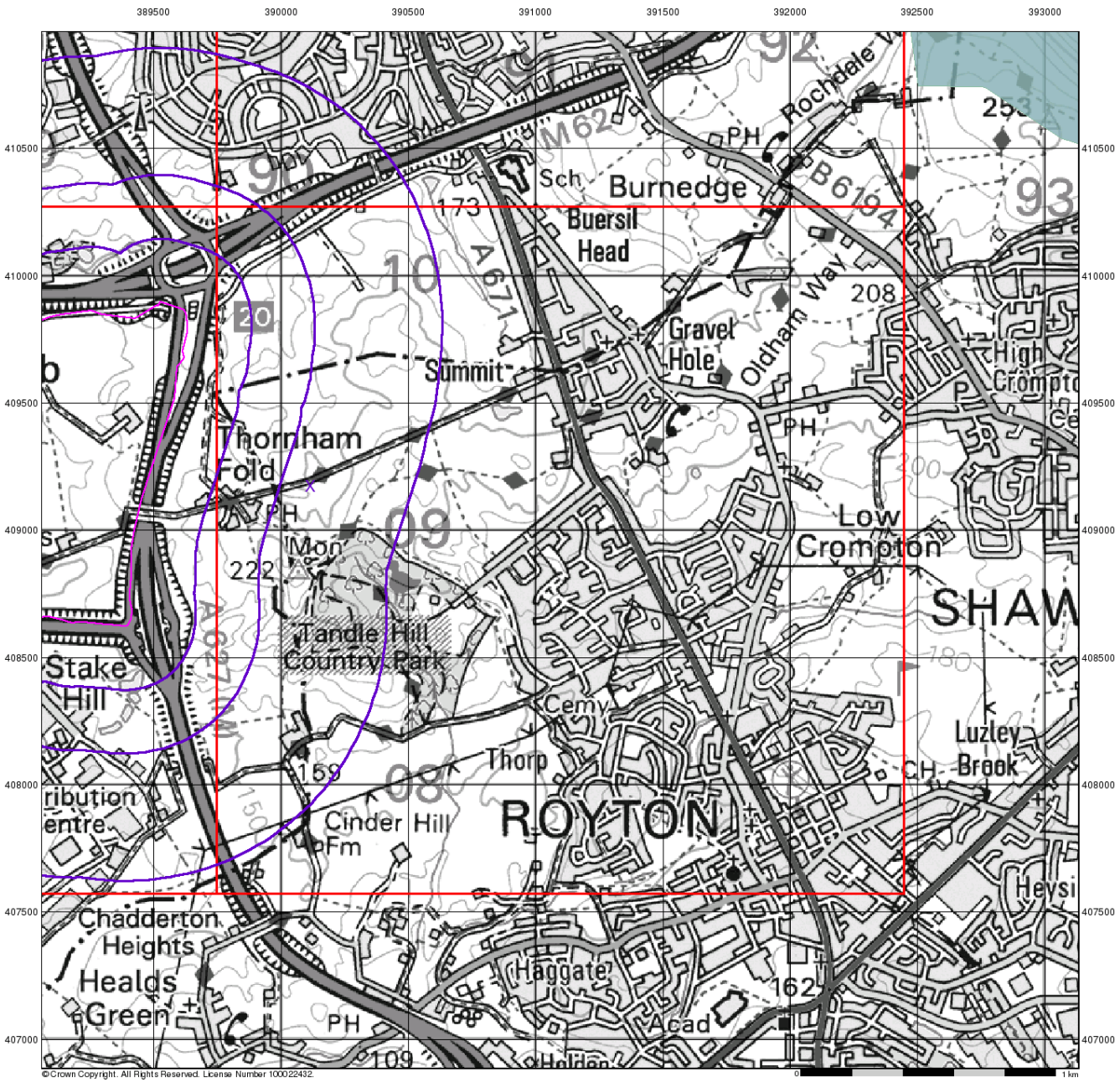
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Web: www.envirocheck.co.uk



Source Protection Zones

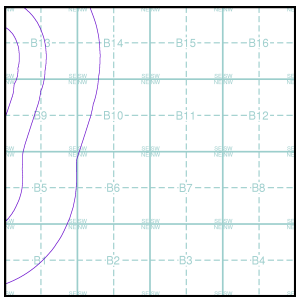
General

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



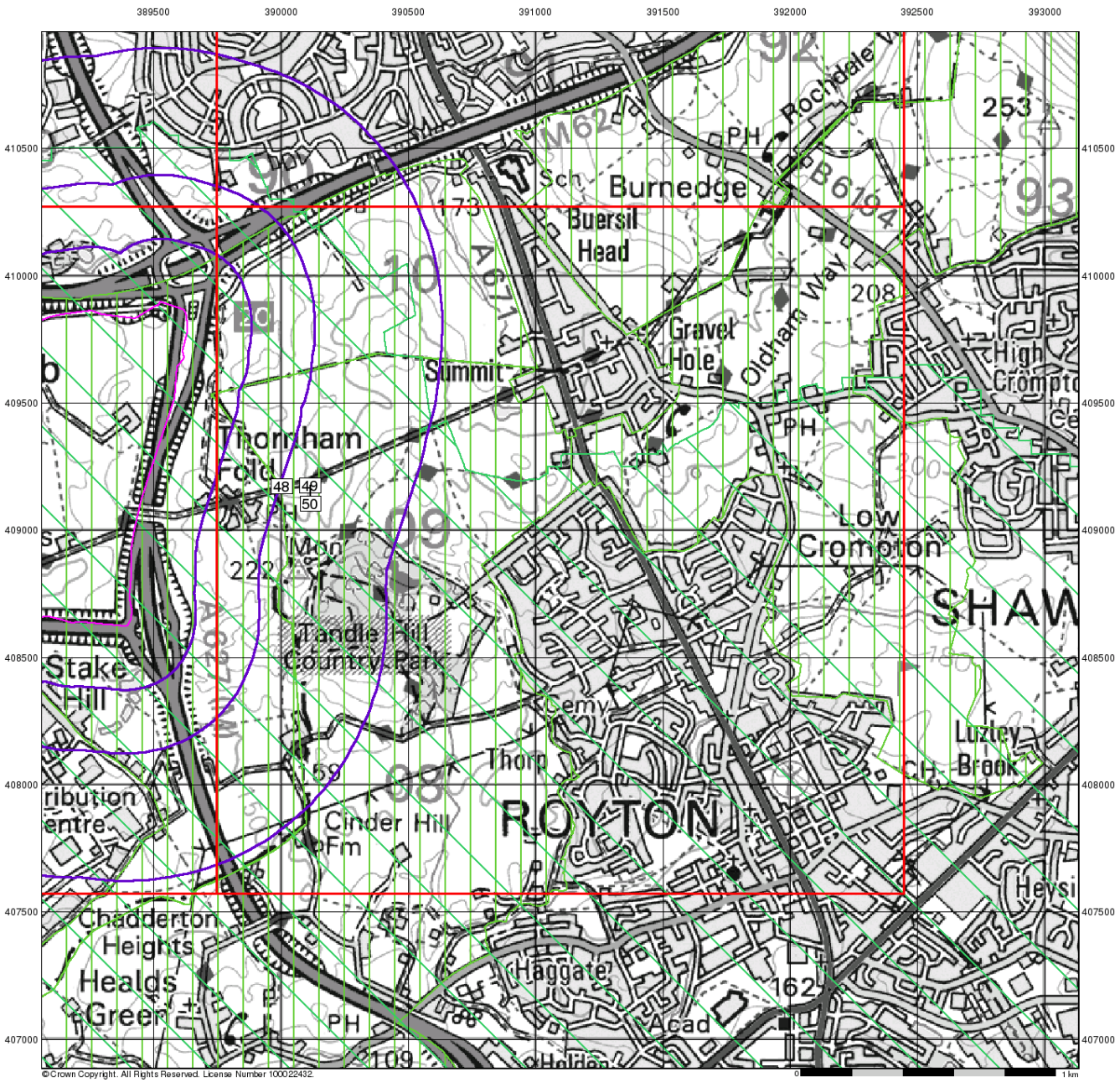
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



RSK

Sensitive Land Uses

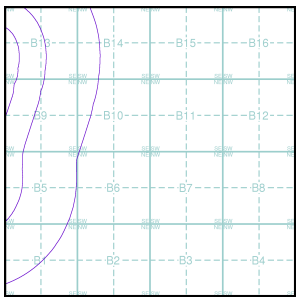
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice B

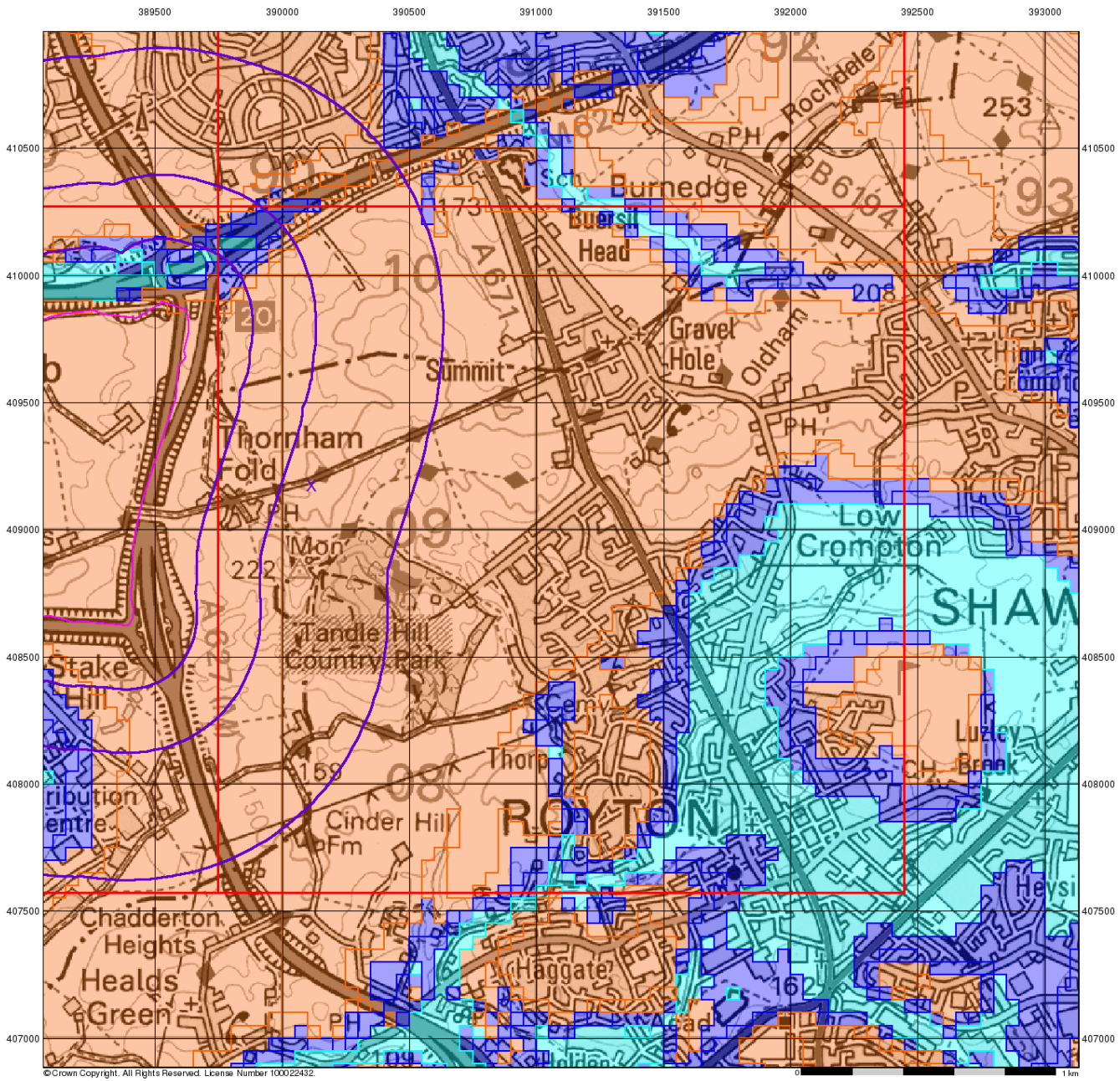


Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH



RSK

BGS Flood GFS Data

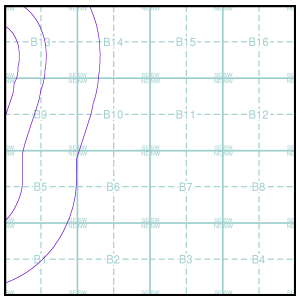
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice B



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
300522833_1_1

Customer Reference:
322974

National Grid Reference:
390120, 409170

Slice:
B

Site Area (Ha):
95.3

Search Buffer (m):
1000

Site Details:

Thornfield Farm, Thornham Lane
Middleton
MANCHESTER
M24 2SH

Client Details:

Mr R Newberry
RSK Environment Ltd
Spring Lodge
172 Chester Road
Helsby
Cheshire
WA6 0AR

Contents

Report Section	Page Number
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Agency & Hydrological	1
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Hazardous Substances	-
Geological	12
Industrial Land Use	15
Sensitive Land Use	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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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3			1	
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3			Yes	
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 3			1	
Water Abstractions	pg 3			3	(*7)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	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 7		1	9	18

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	pg 11				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage		1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 11			5	8
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					

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 12	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 12	Yes		Yes	Yes
BGS Recorded Mineral Sites	pg 13				1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 13	Yes	n/a	n/a	n/a
Mining Instability	pg 13	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 14	Yes	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	pg 15			1	
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
Gas Pipelines					
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	pg 16	1	1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 16	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: Limited Potential for Groundwater Flooding to Occur	B9SW (W)	0	1	390000 409173
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	0	1	389250 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13SW (NW)	0	1	389750 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	28	1	389300 408350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	37	1	389550 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	48	1	389450 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	50	1	389050 408450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	59	1	389600 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	60	1	389400 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	74	1	389700 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	104	1	389550 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	107	1	389700 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	108	1	389500 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13SW (NW)	120	1	389800 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	130	1	389450 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13SW (NW)	133	1	389800 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	137	1	389350 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (NW)	155	1	389750 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	156	1	389600 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	169	1	389650 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	173	1	389450 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13SW (N)	180	1	389850 409900

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	B13NW (N)	186	1	389900 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	187	1	389450 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	187	1	389350 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	199	1	389150 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	201	1	389100 408450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	204	1	389550 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	206	1	389100 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	206	1	389650 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (N)	224	1	389900 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(NW)	232	1	389700 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	242	1	389200 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NW (N)	244	1	389900 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (N)	247	1	389750 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NW (N)	254	1	389750 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	B13NW (N)	267	1	389900 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(NW)	284	1	389400 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (N)	294	1	389800 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NW (N)	310	1	389950 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (N)	334	1	389950 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (N)	335	1	389950 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NW (N)	355	1	390000 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NW (N)	358	1	389800 410200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B9SE (NW)	368	1	390117 409173
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NW (N)	377	1	390000 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (N)	379	1	389900 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NE (N)	402	1	390117 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (N)	404	1	390000 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NW (N)	423	1	389900 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B13NW (N)	445	1	390050 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	B13NW (N)	474	1	389950 410250
1	**Discharge Consents** Operator: J W Lees & Co (Brewers) Ltd Property Type: FOOD+BEVERAGE SERVICES/CAFE/RESTAURANT/PUB Location: Tandle Hill Tavern, 14 Thornham Lane, Middleton, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01m/490 Permit Version: 1 Effective Date: 8th September 1964 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: Trib Trub Brook **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 10m	B9SW (W)	382	2	389852 409113
	Nearest Surface Water Feature	B5NW (SW)	271	-	389810 408637
2	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 7th November 2006 Incident Reference: 448882 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Agricultural Materials And Wastes: Other Agricultural Material Or Waste Pollutant: Specific Waste Materials: Commercial Waste	B9SW (SW)	438	2	389867 408969
3	**Water Abstractions** Operator: J W Lees & Co Brewers Ltd Licence Number: 2569005021 Permit Version: 100 Location: Spring Fed Well At Tandle Hill Tavern, Thornham Fold, N Authority: Environment Agency, North West Region Abstraction: Hotels; Public Houses And Conference Centres: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2 Yearly Rate (m3): 591 Details: The Tandle Hill Tavern, Middleton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B9SW (W)	337	2	389800 409100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Water Abstractions** Operator: J W Lees & Co (Brewers) Ltd Licence Number: 2569005021 Permit Version: Not Supplied Location: Tandle Hill Tavern, Thornham Fold, MIDDLETON Authority: Environment Agency, North West Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 5 Yearly Rate (m3): 1659 Details: Spring Fed Well 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	B9SW (W)	338	2	389800 409095
3	**Water Abstractions** Operator: H Dh Md And Mw Tetlow Licence Number: 2569005028 Permit Version: 100 Location: Spring Fed Well At Cinder Hill Farm, Slattocks, Middleton, M 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): 5 Yearly Rate (m3): 1659 Details: Cinder Hill Farm, Slattocks Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B9SW (W)	343	2	389805 409095
	Water Abstractions Operator: Natalie Beswick Licence Number: 2569005029 Permit Version: 100 Location: Well At Newmarket Farm, Chadderton, Nr Oldham 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): 1 Yearly Rate (m3): 332 Details: Well At Newmarket Farm, Chadderton, Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B1SW (S)	1007	2	389800 407700
	Water Abstractions Operator: Lydia Wilson Licence Number: 2569005032 Permit Version: 100 Location: Wells (2) At Cinder Hall Farm, Chadderton, Lancashire 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): 5 Yearly Rate (m3): 1659 Details: Cinder Hall Farm, Chadderton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B1SE (S)	1081	2	390100 407800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr E Jinks Licence Number: 2569005030 Permit Version: 100 Location: Well At Head O'Th'Heys Farm, Chadderton, Oldham 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): 0 Yearly Rate (m3): 166 Details: Head O'Th'Heys Farm, Chadderton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B1SE (S)	1149	2	390200 407800
	Water Abstractions Operator: Nellie Barrot Licence Number: 2569005026 Permit Version: 100 Location: Wells (2) At Chadderton, Nr Oldham 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): 1 Yearly Rate (m3): 498 Details: Premises At 27 Chadderton Heights Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1194	2	389800 407500
	Water Abstractions Operator: Lydia Wilson Licence Number: 2569005032 Permit Version: 100 Location: Wells (2) At Cinder Hall Farm, Chadderton, Lancash 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): 0 Yearly Rate (m3): 0 Details: Cinder Hall Farm, Chadderton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B1SE (S)	1241	2	390100 407600
	Water Abstractions Operator: Nellie Barrot Licence Number: 2569005026 Permit Version: 100 Location: Wells (2) At Chadderton, Nr Oldham 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): 0 Yearly Rate (m3): 0 Details: Premises At 27 Chadderton Heights Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1288	2	389800 407400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Ian James Crowther Licence Number: 2569005058 Permit Version: Not Supplied Location: Woodside Farm, Cinderhill Lane, Chadderton, OLDHAM, OL1 2SU Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Agricultural; Type: Impounding; Status: Current 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	(S)	1634	2	390200 407200
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	B9SW (W)	0	3	390000 409173
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	B9SW (SW)	0	3	390000 409000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(W)	0	3	389705 409158
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B9SW (W)	0	3	390000 409173
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	(W)	0	3	389705 409158
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B9SW (W)	0	3	390000 409173

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
4	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 271.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13NW (N)	191	4	389782 410168
5	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 399.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NW (SW)	270	4	389884 408777
6	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 246.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13SW (N)	311	4	390001 409895
7	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 108.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13NW (N)	316	4	389850 410084
8	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13NW (N)	342	4	389782 410168
9	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13SW (N)	375	4	390022 409869
10	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13SW (N)	375	4	390001 409895

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 25.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13NW (N)	383	4	389814 410197
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 289.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Whit Brook Catchment Name: Mersey Primacy: 1	B5SW (S)	477	4	389793 408355
13	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5SW (S)	477	4	389803 408363
14	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 17.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5SW (S)	507	4	389863 408382
15	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5SW (S)	522	4	389865 408382
16	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 38.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5SW (S)	524	4	389901 408379
17	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5SW (S)	558	4	389905 408383
18	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 22.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5SW (S)	560	4	389916 408402
19	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 21.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5SW (S)	561	4	389930 408419

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B13NE (N)	769	4	390389 409972
21	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 31.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B14NW (N)	806	4	390428 409972
22	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 191.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NE (SE)	854	4	390284 408915
23	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 50.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NE (SE)	952	4	390364 408801
24	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NE (SE)	966	4	390377 408754
25	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NE (SE)	971	4	390383 408749
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 20.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NE (SE)	978	4	390390 408744
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 51.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NE (SE)	978	4	390412 408790
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NE (SE)	990	4	390402 408728

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NE (SE)	995	4	390408 408720
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B5NE (SE)	1000	4	390412 408790
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	B6NW (SE)	1000	4	390436 408841

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Royton, Oldham, Greater Manchester Name: Land at Thornham Old Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15859 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: G397	B9SE (E)	675	2	390203 409197
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	5	390003 409165
	Local Authority Landfill Coverage Name: Oldham Metropolitan Borough Council - Has not been able to supply Landfill data		148	6	390117 409173
33	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	B9SW (W)	298	-	389762 409107
34	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	B9SW (W)	371	-	389856 409162
35	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	B13SW (N)	454	-	390072 409631
36	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	B9NW (NW)	455	-	389995 409320
37	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	B5SW (S)	487	-	389806 408353
38	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	B5SW (S)	511	-	389847 408375
39	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	B5SW (S)	572	-	389932 408410
40	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	B9SE (NE)	623	-	390145 409238
41	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	B5SW (S)	735	-	390038 408258
42	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	B13NE (N)	809	-	390327 410261
43	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	B1NW (S)	830	-	390053 408111
44	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	B14SW (NE)	951	-	390581 409727
45	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	B14SW (NE)	974	-	390593 409611

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	B9SE (NW)	0	1	390117 409173
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment 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	B9SW (W)	0	1	390000 409159
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 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	B9SE (NE)	0	1	390124 409182
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	B9SW (W)	459	1	390000 409173
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment 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: 30 - 45 mg/kg	B9SE (NW)	481	1	390117 409173
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	B1NE (S)	623	1	390117 408000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	B9SE (S)	731	1	390182 409000

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 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	B14SW (NE)	807	1	390591 409791
46	**BGS Recorded Mineral Sites** Site Name: Hough Sand Pit Location: Royton, Oldham, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96634 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	B1NW (S)	801	1	390083 408205
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	B9SE (NW)	0	7	390117 409173
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	B9SE (NW)	0	-	390117 409173
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	390000 409173
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13NW (N)	104	1	390000 410000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	390000 409173
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13NW (N)	104	1	390000 410000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	390000 409173
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B13NW (N)	104	1	390000 410000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9SW (SW)	0	1	390000 409001
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	390000 409173
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13NW (N)	104	1	389952 410000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NW (NW)	139	1	389892 409503
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B13SW (NW)	147	1	389810 409838
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	B9NW (NW)	161	1	389813 409577
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	390000 409173
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13NW (N)	104	1	390000 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	0	1	390000 409173
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B13NW (N)	104	1	390000 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B13NW (N)	114	1	389960 410000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9NW (N)	131	1	390000 409519
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	167	1	390000 409148
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B9SW (W)	207	1	390000 409209
	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	B9SW (W)	0	1	390000 409173
	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	B9SW (W)	0	1	390000 409173

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	**Points of Interest - Manufacturing and Production** Name: Tank Location: M24 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to address or location	B9SW (W)	403	8	389875 409116

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**Areas of Adopted Green Belt** Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan **Status:** **Adopted** Plan Date: 30th June 2006	B9SW (W)	0	9	390004 409171
49	**Areas of Adopted Green Belt** Authority: Oldham Metropolitan Borough Council Plan Name: Core Strategy And Development Management Policies **Status:** **Adopted** Plan Date: 9th November 2011	B9SE (NW)	145	6	390117 409173
50	**Nitrate Vulnerable Zones** Name: River Irk (Moston Brook To River Irwell) Nvz Description: Surface Water Source: Environment Agency, Head Office	B9SE (NW)	0	3	390117 409173

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Manchester City Council - Environmental Health Department	October 2017	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2017	Annually
Discharge Consents		
Environment Agency - North West Region	July 22	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	July 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls		
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	June 2022	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	
Registered Radioactive Substances		
Environment Agency - North West Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - South Area	July 2022	Quarterly
Water Abstractions		
Environment Agency - North West Region	July 2022	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	July 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
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

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	April 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	April 2022	Quarterly
Local Authority Landfill Coverage		
Manchester City Council - Planning Department	February 2003	Not Applicable
Oldham Metropolitan Borough Council	February 2003	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Manchester City Council - Planning Department	October 2018	
Oldham Metropolitan Borough Council	October 2018	
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
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	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Manchester City Council - Planning Department	February 2016	Variable
Oldham Metropolitan Borough Council	February 2016	Variable
Rochdale Metropolitan Borough Council	February 2016	Variable
Planning Hazardous Substance Consents		
Manchester City Council - Planning Department	February 2016	Variable
Oldham Metropolitan Borough Council	February 2016	Variable
Rochdale Metropolitan Borough Council	February 2016	Variable

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

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2022	Quarterly
Points of Interest - Education and Health PointX	June 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2022	Quarterly
Points of Interest - Public Infrastructure PointX	June 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

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

Data Suppliers

A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**Rochdale Metropolitan Borough Council - Environmental Health Department** P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01706 864139 Fax: 01706 864185 Website: www.rochdale.gov.uk
6	**Oldham Metropolitan Borough Council** Civic Centre, P O Box 55, West Street, Oldham, Lancashire, OL1 1XN	Telephone: 0161 911 3000 Fax: 0161 678 4550 Website: www.oldham.gov.uk
7	**The Coal Authority - Property Searches** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	**Rochdale Metropolitan Borough Council** PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

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

1:10,000 Raster Mapping

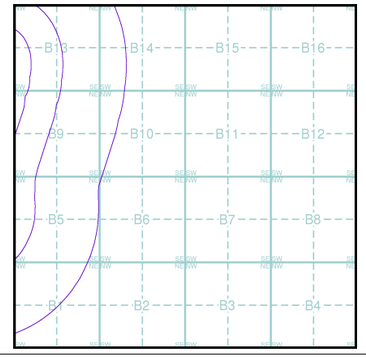
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848 - 1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894 - 1895	5
Lancashire And Furness	1:10,560	1910	6
Lancashire And Furness	1:10,560	1922 - 1931	7
Lancashire And Furness	1:10,560	1932	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1956	10
Ordnance Survey Plan	1:10,000	1965 - 1968	11
Ordnance Survey Plan	1:10,000	1975 - 1979	12
Manchester	1:25,000	1975	13
Ordnance Survey Plan	1:10,000	1983 - 1988	14
Ordnance Survey Plan	1:10,000	1990 - 1993	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2021	18

Historical Map - Slice B



Order Details

Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 390120, 409170
Slice: B
Site Area (Ha): 95.3
Search Buffer (m): 1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Fireproof Building
- Prominent Fireproof Building
- Non-fireproof Building
- Non-fireproof Building (non-dwelling)
- Factory, mill, and flour mill, with chimneys
- Factory, mill, and flour mill, without chimneys
- Power Station, drawn to scale
- Hydroelectric Power Station
- Radio Station, drawn to scale
- Telephone Station, drawn to scale
- Abandoned Open-pit Mine or Quarry
- Open-pit Salt Mine
- Pit
- Oil Deposit or Well
- Oil Seepage
- Tailings Pile
- Fuel Storage Tanks
- Natural Gas Tank
- Bench Mark
- Drill Hole
- Burial Mound
- Triangulation Point on Burial Mound
- Single-track Railroad
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation

243,8 — Values for prominent elevations

186.0 — Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 — Velocity of the current, width of river bed, depth of river

Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	ъ (–)
Д д (D)	Л л (L)	У у (U)	ы (Y)
Е е (E)	М м (M)	Ф ф (F)	ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Partly Demolished Buildings
- Demolished Buildings
- Built-Up Area with Fireproof Buildings Predominant
- Built-Up Area with Non-Fireproof Buildings Predominant
- Individual Fireproof Building
- Prominent Industrial Building
- Individual Dwelling, Fireproof
- Ruins of an Individual Dwelling
- Factory or Mill Chimney
- Factory or Mill with Chimney
- Factory or Mill without Chimney
- Mine or Open Pit Mine
- Operating Shaft or Mine
- Non-Operating Shaft or Mine
- Salt Mine
- Tailings Pile
- Pit
- Stone Quarry
- Gas Pump or Service Station
- Fuel Storage or Natural Gas Tank
- Oil or Natural Gas Derrick
- Small Hydroelectric Power Station
- Power Station
- Transformer Station
- Cemetery
- Burial Mound (height in metres)
- Triangulation Point on Burial Mound
- Triangulation Point
- Bench Mark
- Bench Mark (monumented)
- Telegraph Office
- Telephone Station
- Radio Station
- Radio Tower
- Airfield or Seaplane Base
- Landing Strip
- Main Highway
- Highway under Construction
- Improved Dirt Road (former truck road)
- Double-track Railroad with First Class Station
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment
- Direction and velocity of current
- Well
- Water Reservoir or Rain Water Pit
- Spring
- Isobath with value
- Heavy (Index) Contour Line
- Contour Line and Value
- Half Contour Line
- Spot Elevation Value
- Coniferous
- Deciduous
- Mixed
- Scrub

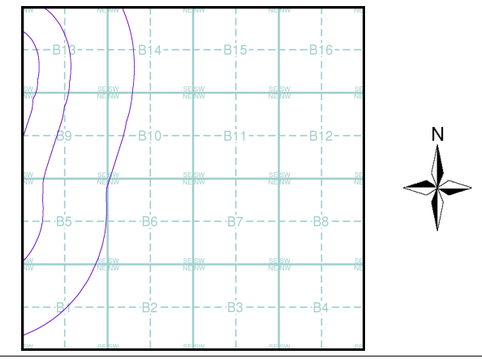
Key to Numbers on Mapping

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848 - 1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894 - 1895	5
Lancashire And Furness	1:10,560	1910	6
Lancashire And Furness	1:10,560	1922 - 1931	7
Lancashire And Furness	1:10,560	1932	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1956	10
Ordnance Survey Plan	1:10,000	1965 - 1968	11
Ordnance Survey Plan	1:10,000	1975 - 1979	12
Manchester	1:25,000	1975	13
Ordnance Survey Plan	1:10,000	1983 - 1988	14
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10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2021	18

Russian Map - Slice B



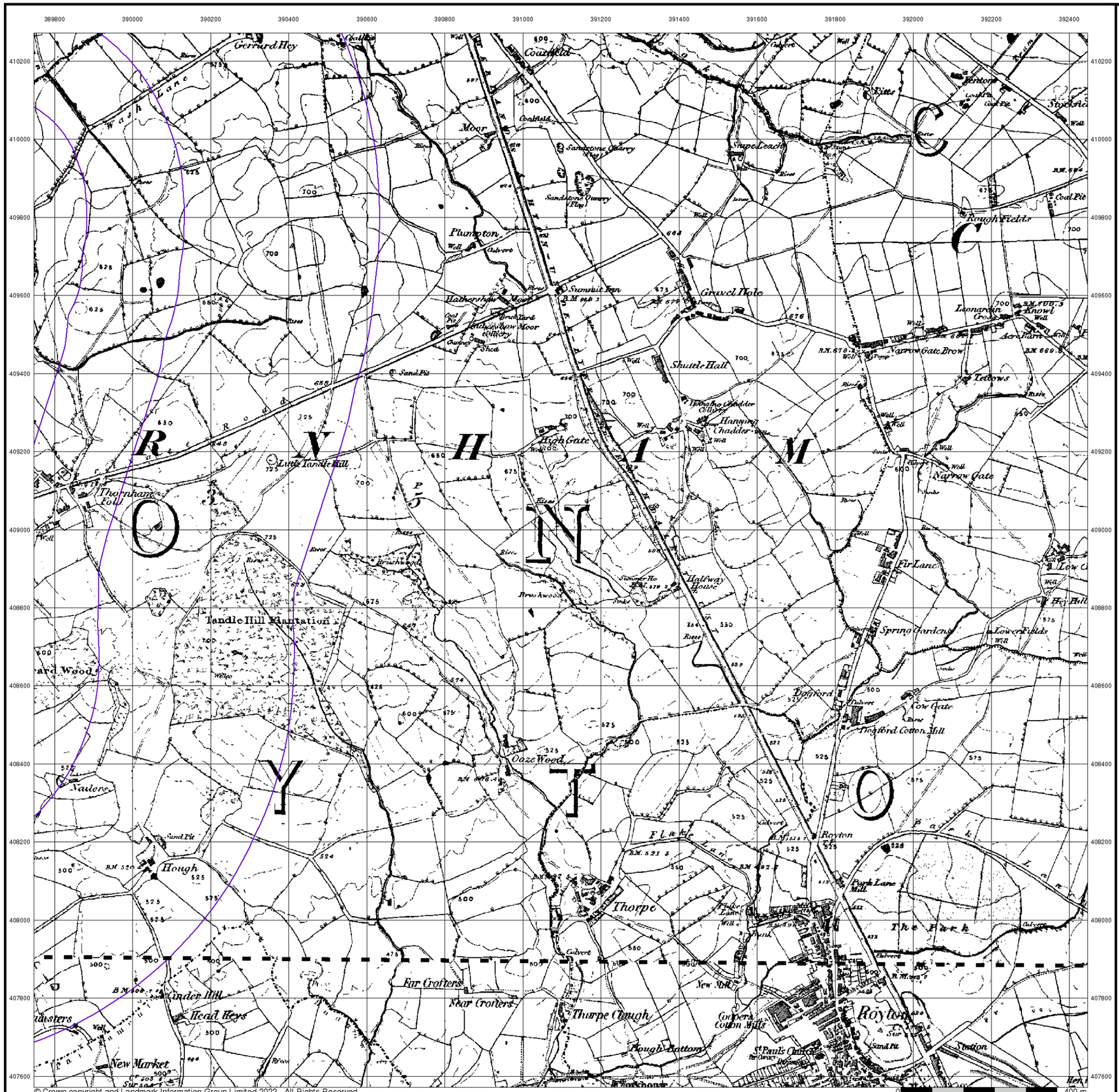
Order Details

Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 390120, 409170
Slice: B
Site Area (Ha): 95.3
Search Buffer (m): 1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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RSK

Lancashire And Furness

Published 1848 - 1851

Source map scale - 1:10,560

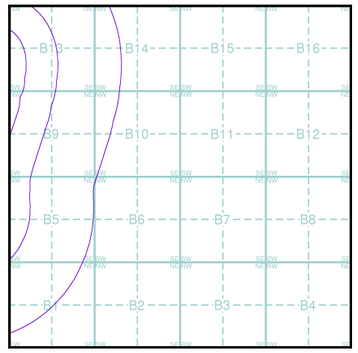
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

08900
1851
1:10,560

09700
1848
1:10,560

Historical Map - Slice B



Order Details

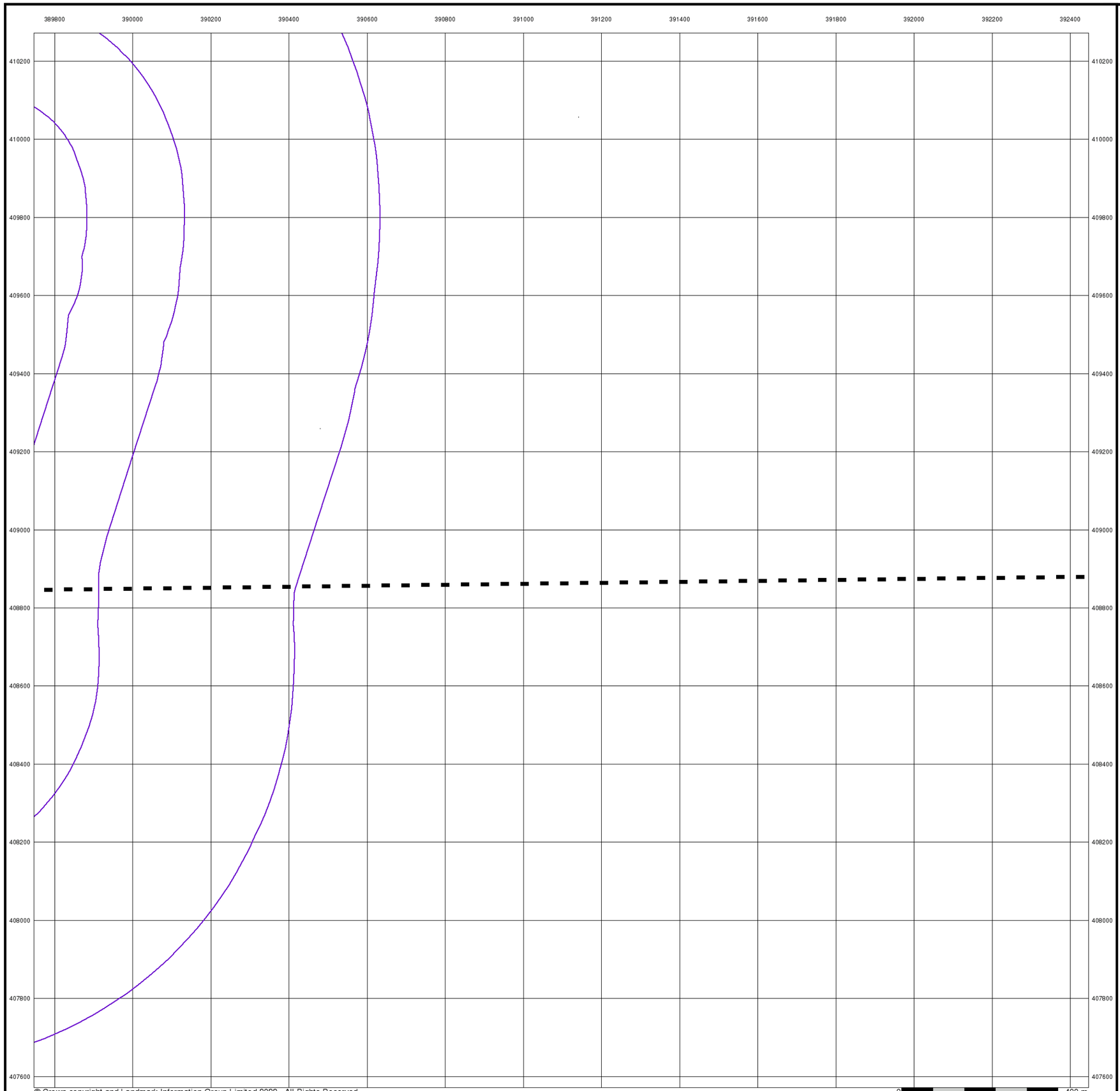
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Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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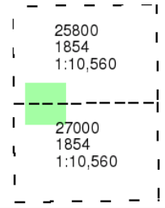
Yorkshire

Published 1854

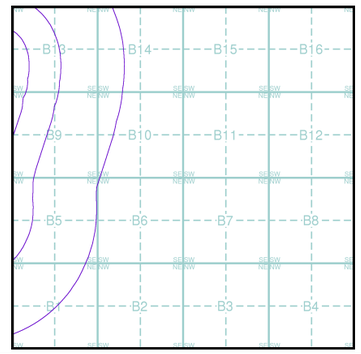
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

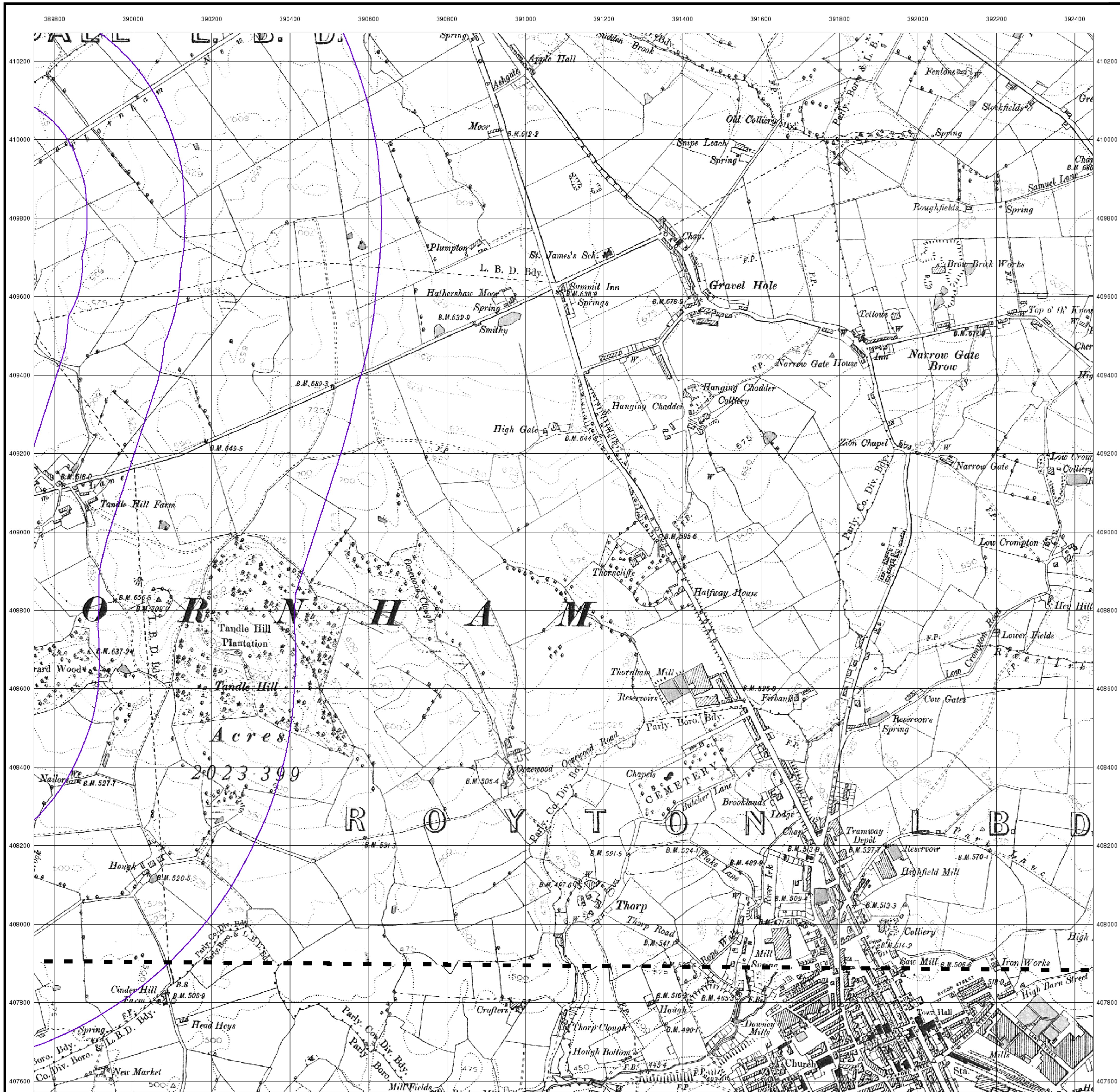
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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0 400 m

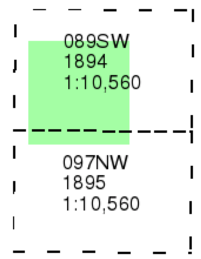
Lancashire And Furness

Published 1894 - 1895

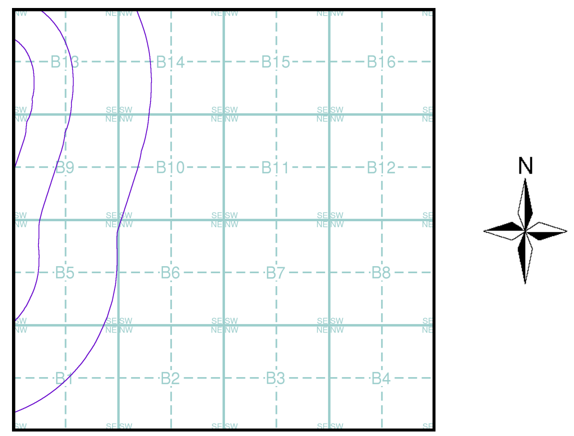
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice B



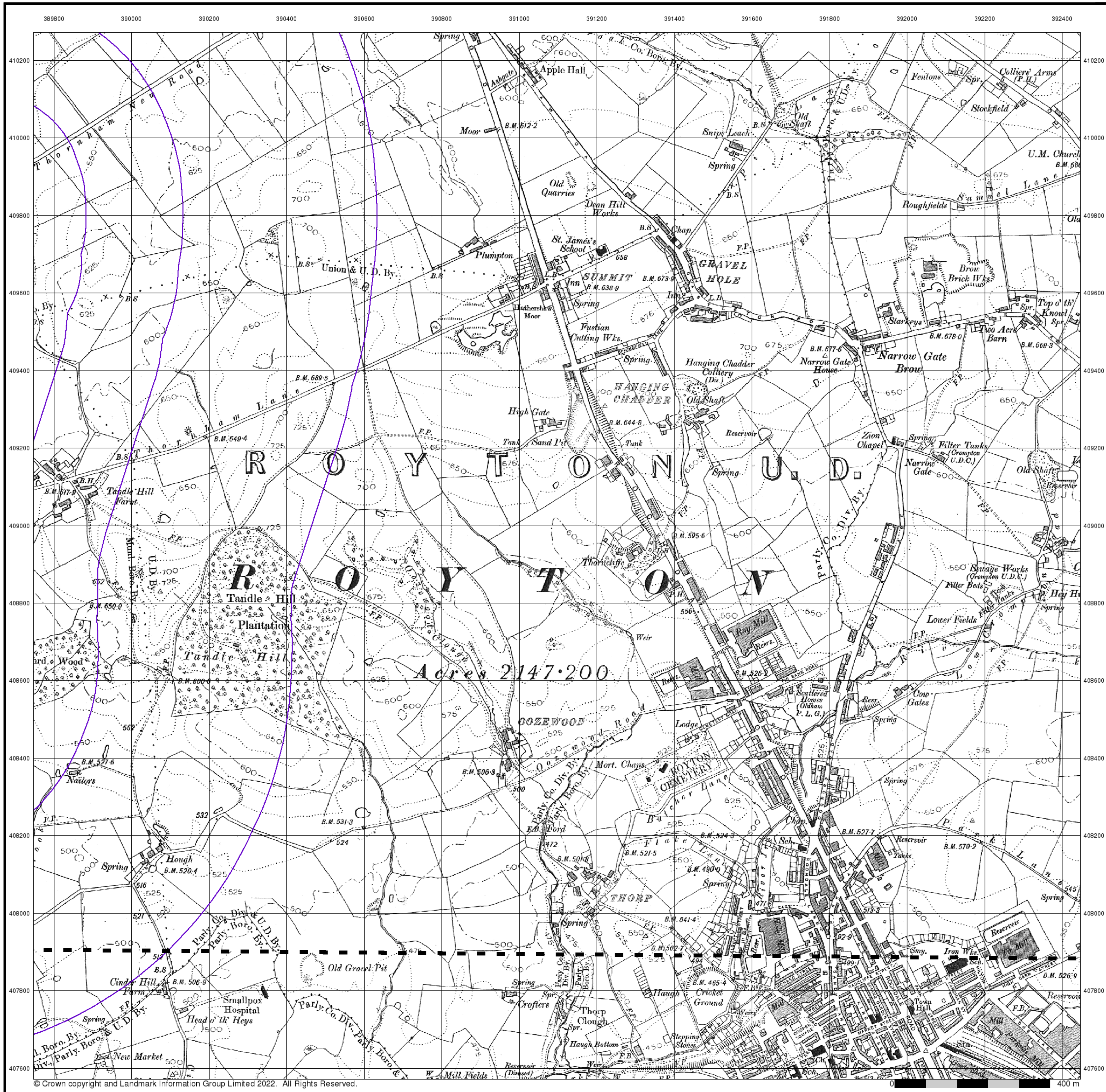
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Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 390120, 409170
Slice: B
Site Area (Ha): 95.3
Search Buffer (m): 1000

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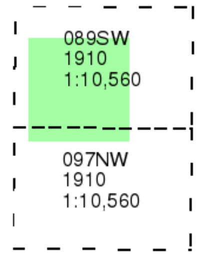
Lancashire And Furness

Published 1910

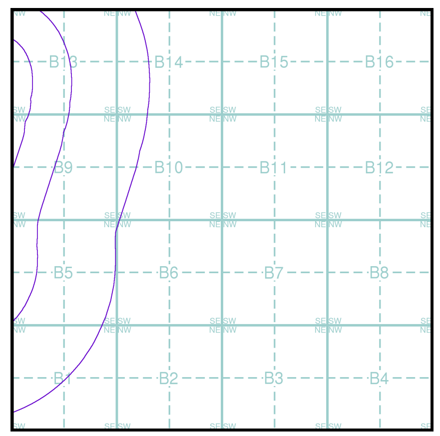
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice B



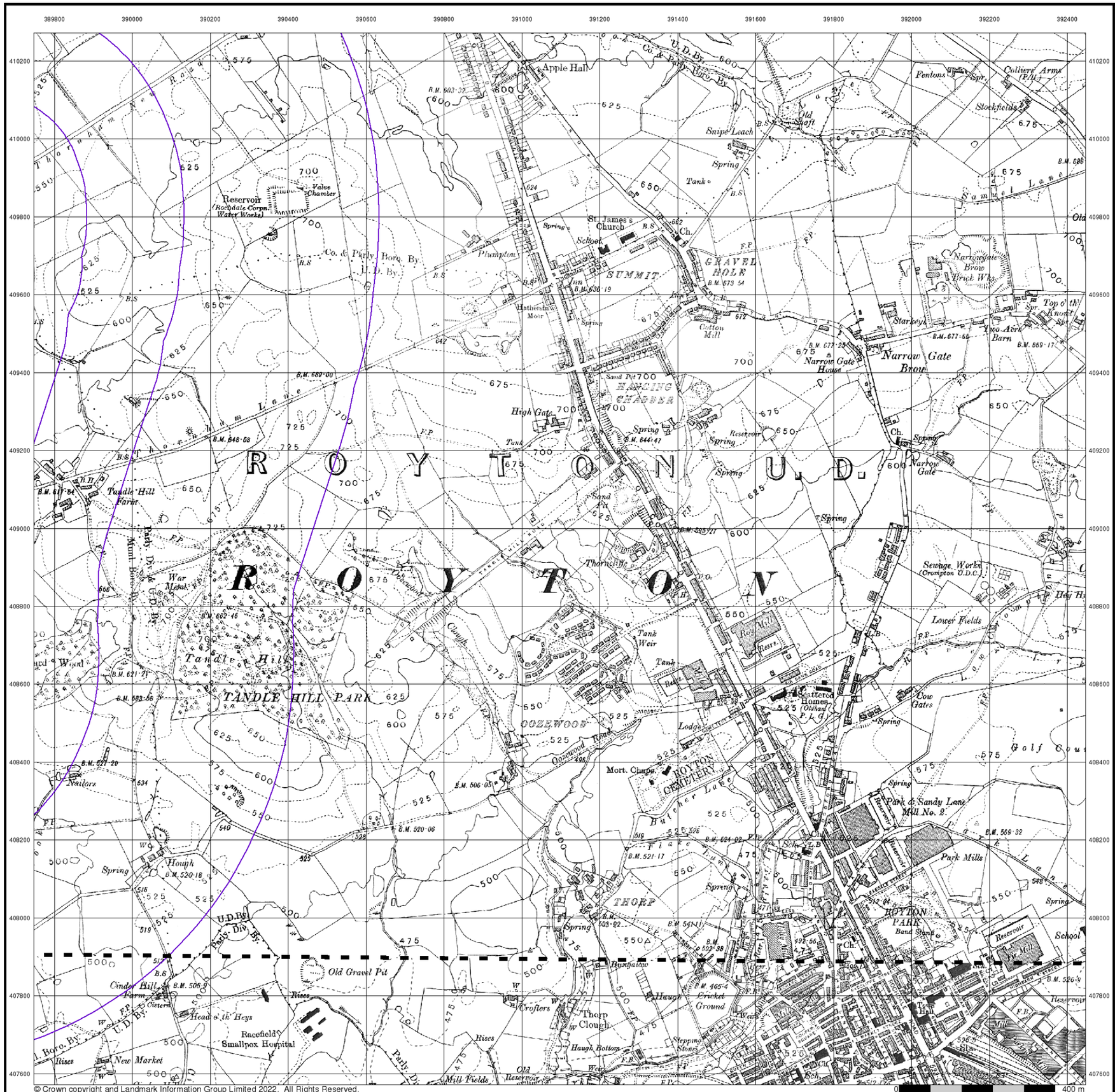
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Order Details

Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 390120, 409170
Slice: B
Site Area (Ha): 95.3
Search Buffer (m): 1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH



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RSK

Lancashire And Furness

Published 1922 - 1931

Source map scale - 1:10,560

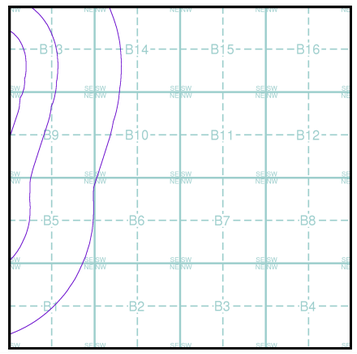
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

089SW
1931
1:10,560

097NW
1922
1:10,560

Historical Map - Slice B



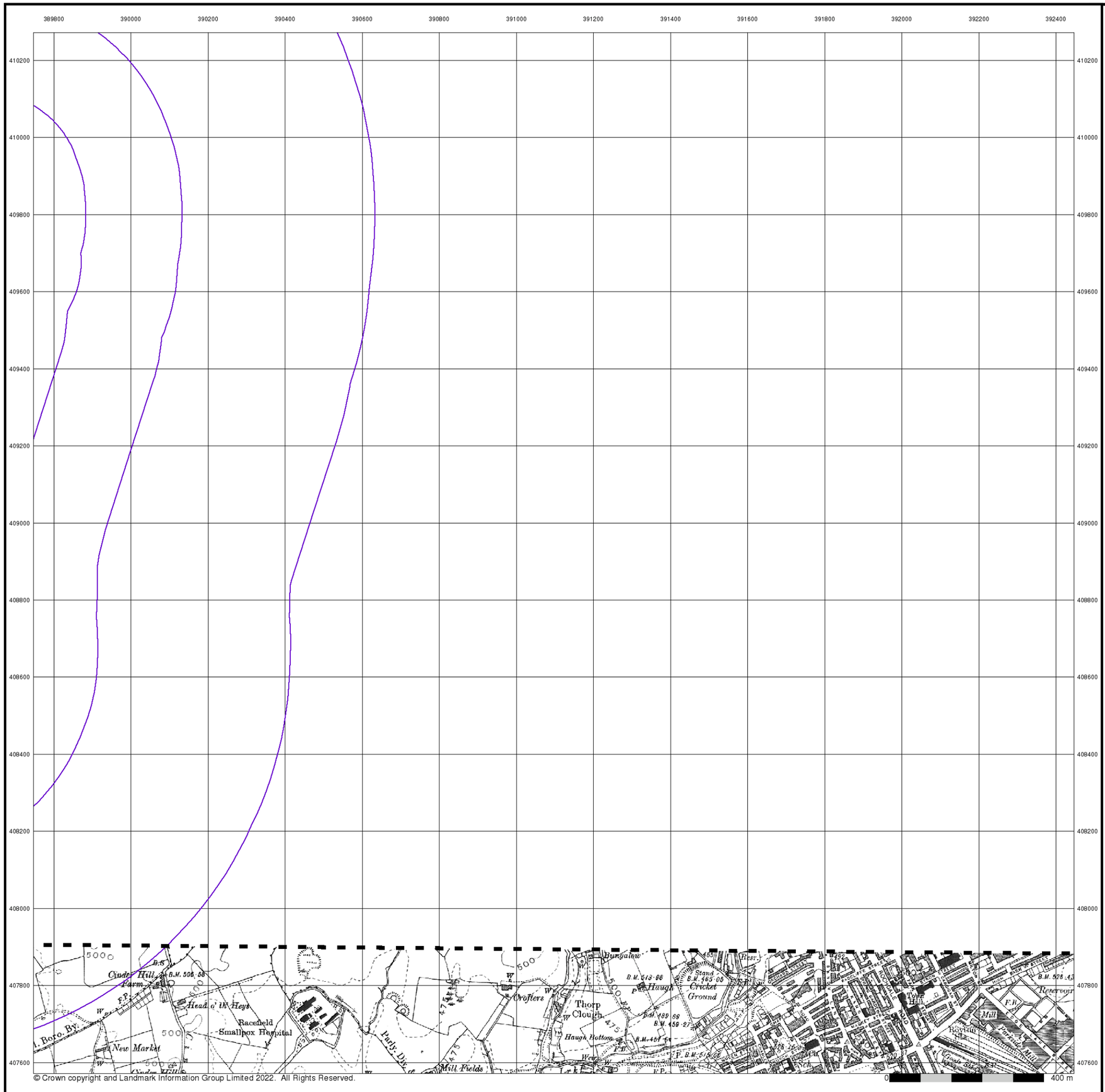
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
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Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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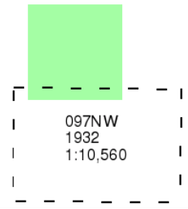
Lancashire And Furness

Published 1932

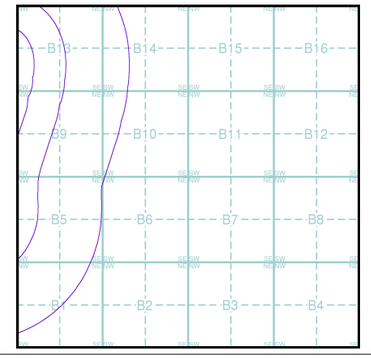
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

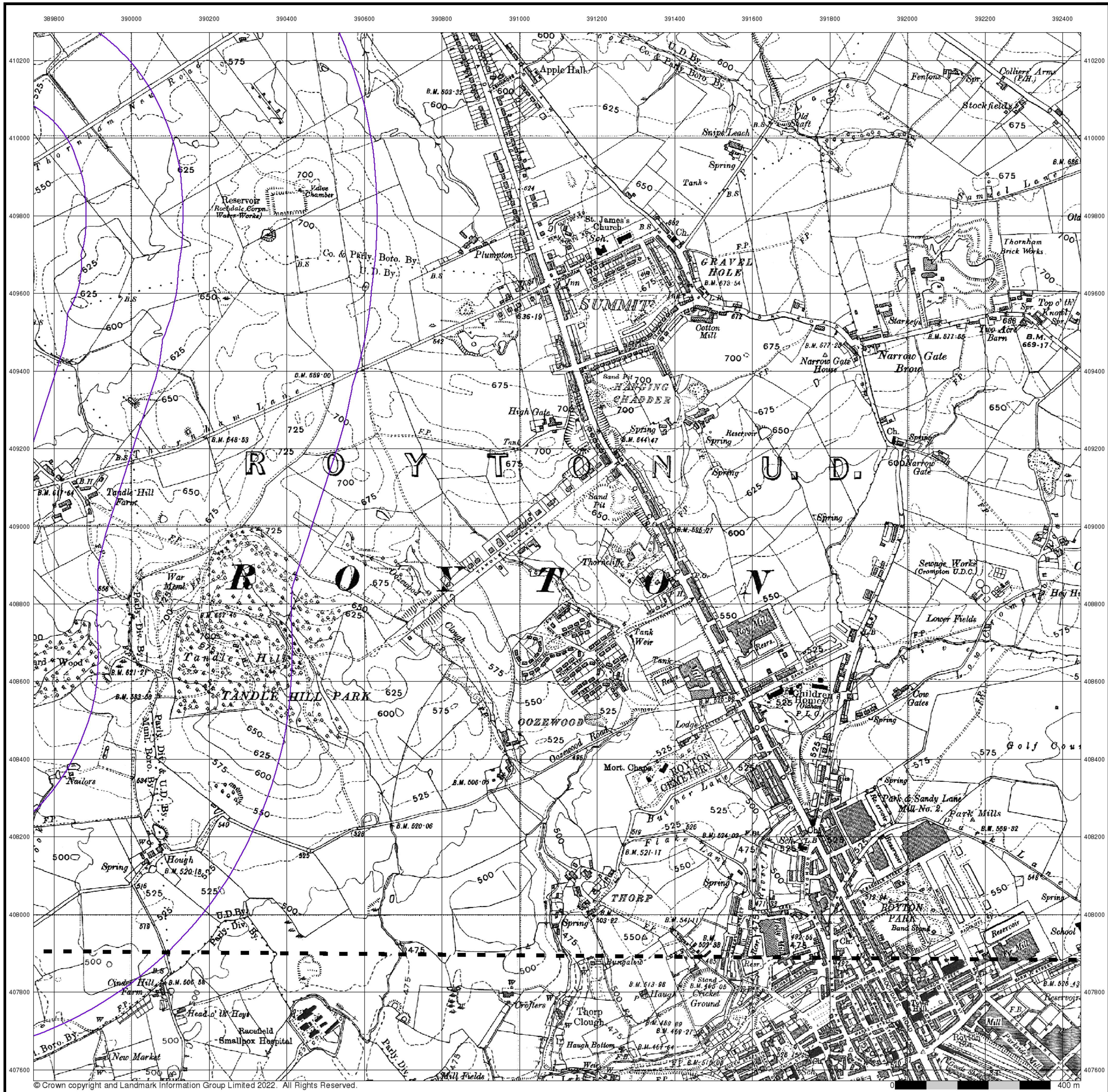
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
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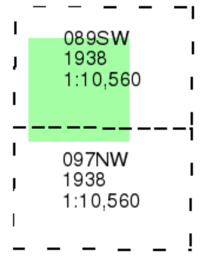
Lancashire And Furness

Published 1938

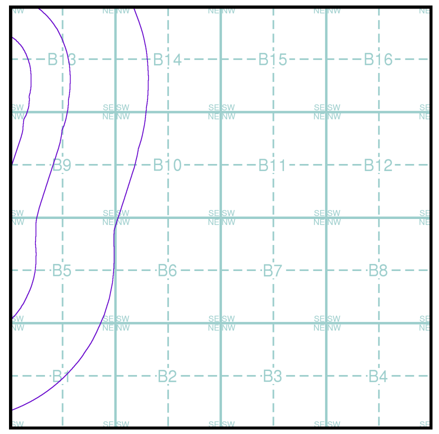
Source map scale - 1:10,560

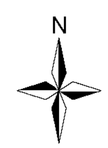
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Map Name(s) and Date(s)



Historical Map - Slice B





Order Details

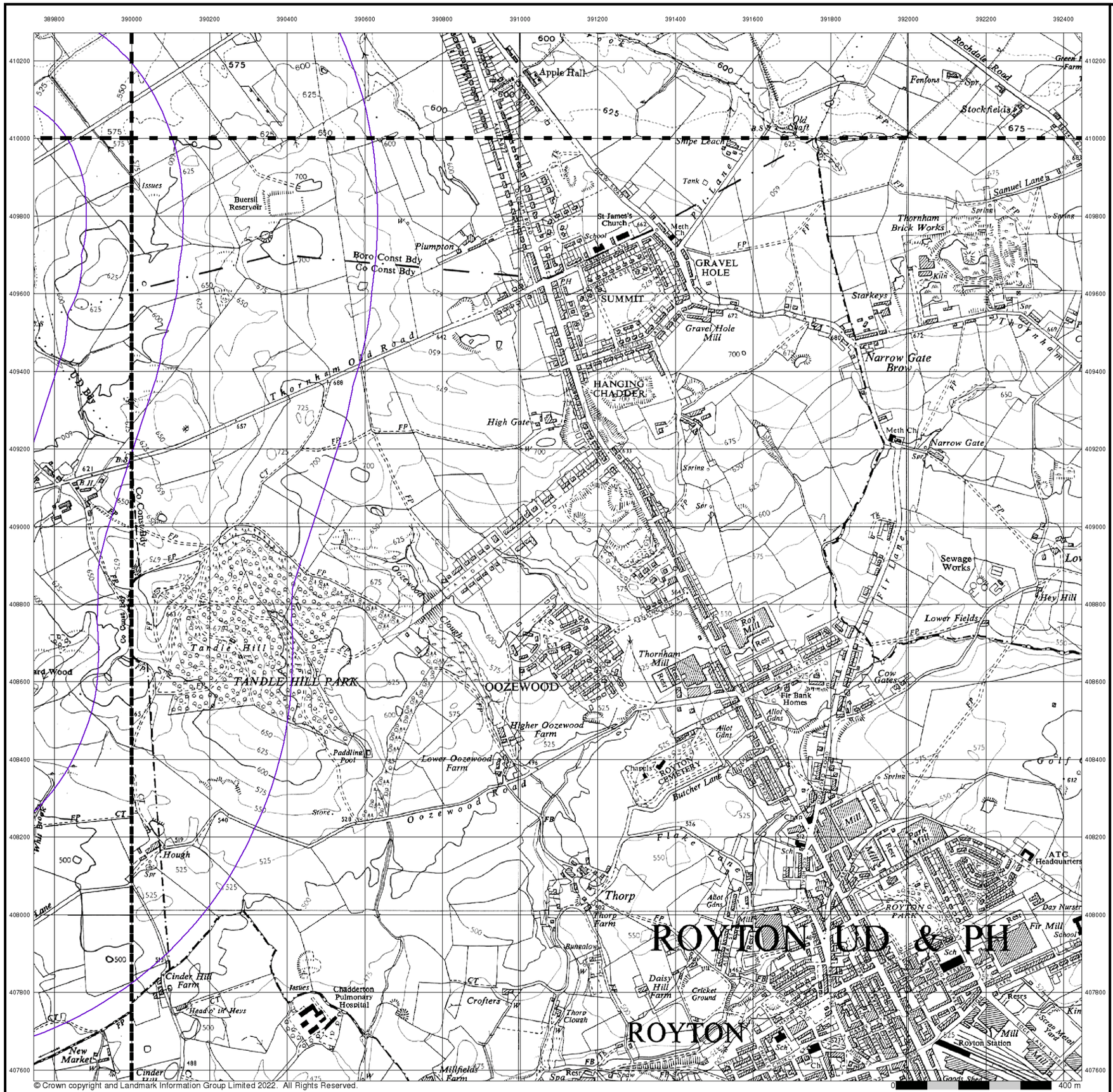
Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 390120, 409170
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Ordnance Survey Plan

Published 1956

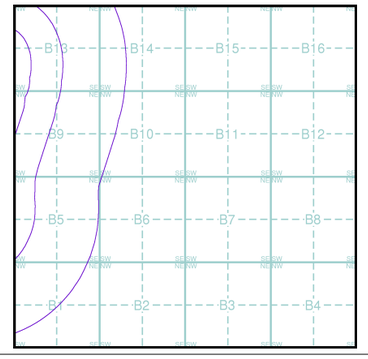
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SD81SE 1956 1:10,560	SD91SW 1956 1:10,560
SD80NE 1956 1:10,560	SD90NW 1956 1:10,560

Historical Map - Slice B



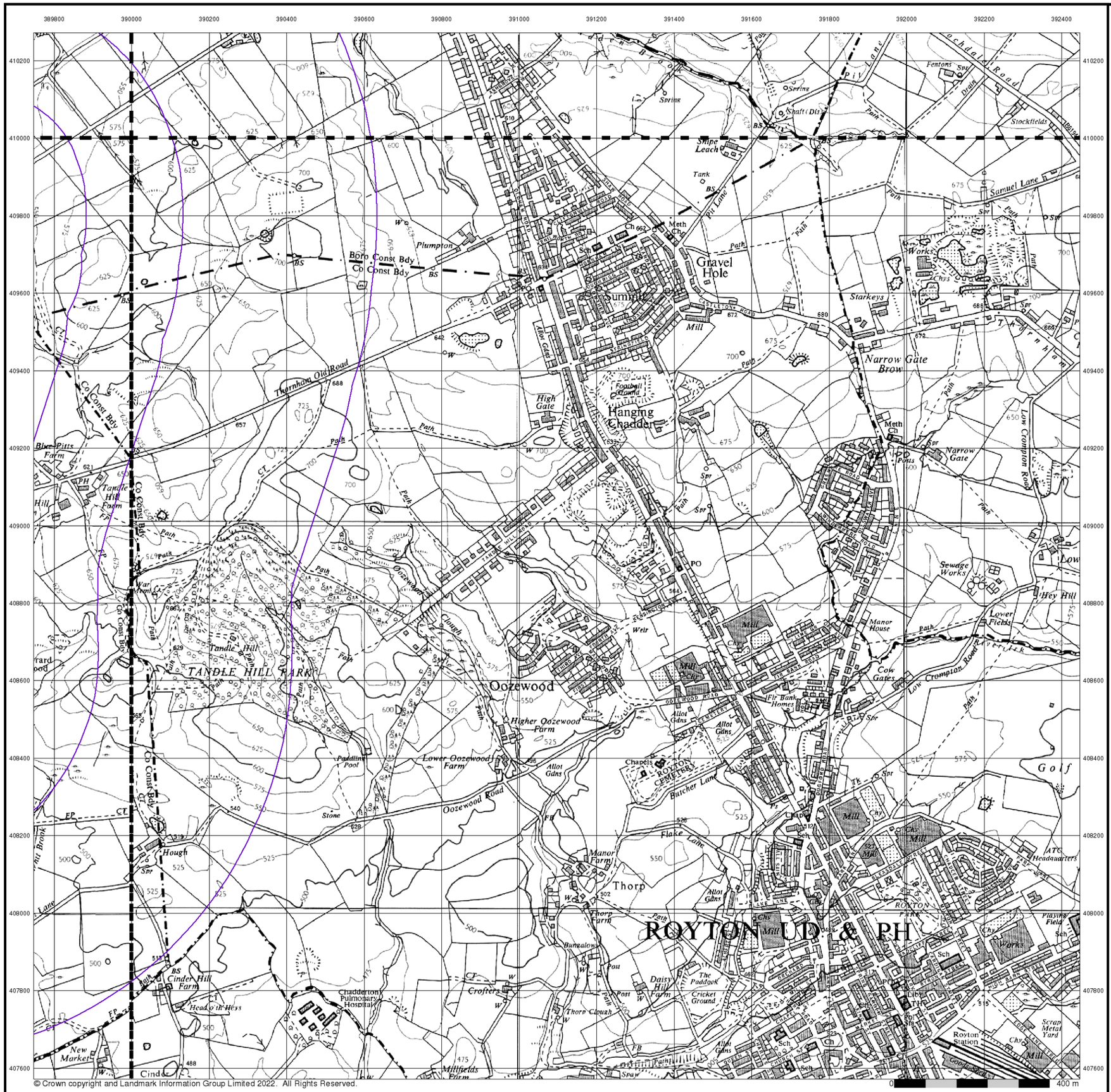
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1965 - 1968

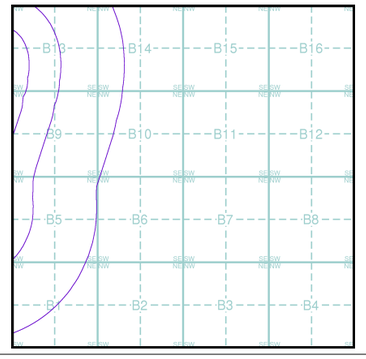
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SD81SE 1968 1:10,560	SD91SW 1967 1:10,560
SD80NE 1965 1:10,560	SD90NW 1966 1:10,560

Historical Map - Slice B



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1975 - 1979

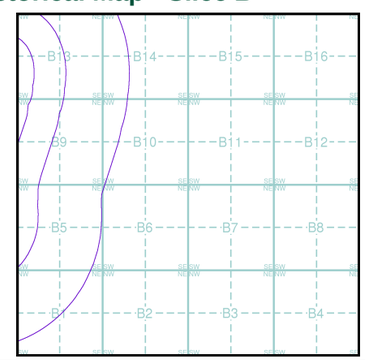
Source map scale - 1:10,000

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)

SD81SE 1977 1:10,000	SD91SW 1979 1:10,000
SD80NE 1977 1:10,000	SD90NW 1975 1:10,000

Historical Map - Slice B



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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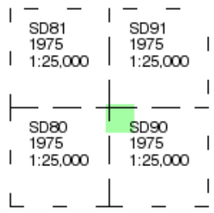
Manchester

Published 1975

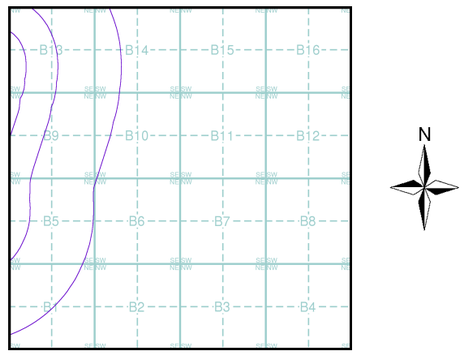
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice B



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1983 - 1988

Source map scale - 1:10,000

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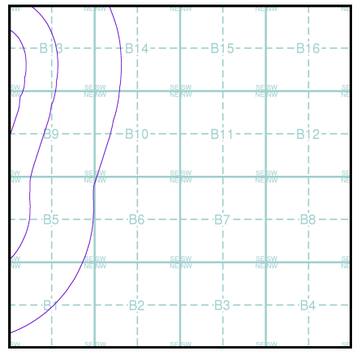
Map Name(s) and Date(s)

SD81SE
1988
1:10,000

SD80NE
1984
1:10,000

SD90NW
1983
1:10,000

Historical Map - Slice B



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1990 - 1993

Source map scale - 1:10,000

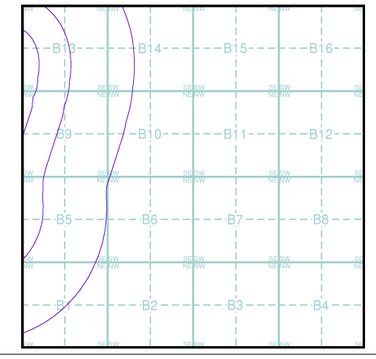
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Map Name(s) and Date(s)

SD81SE
1993
1:10,000

SD90NW
1990
1:10,000

Historical Map - Slice B



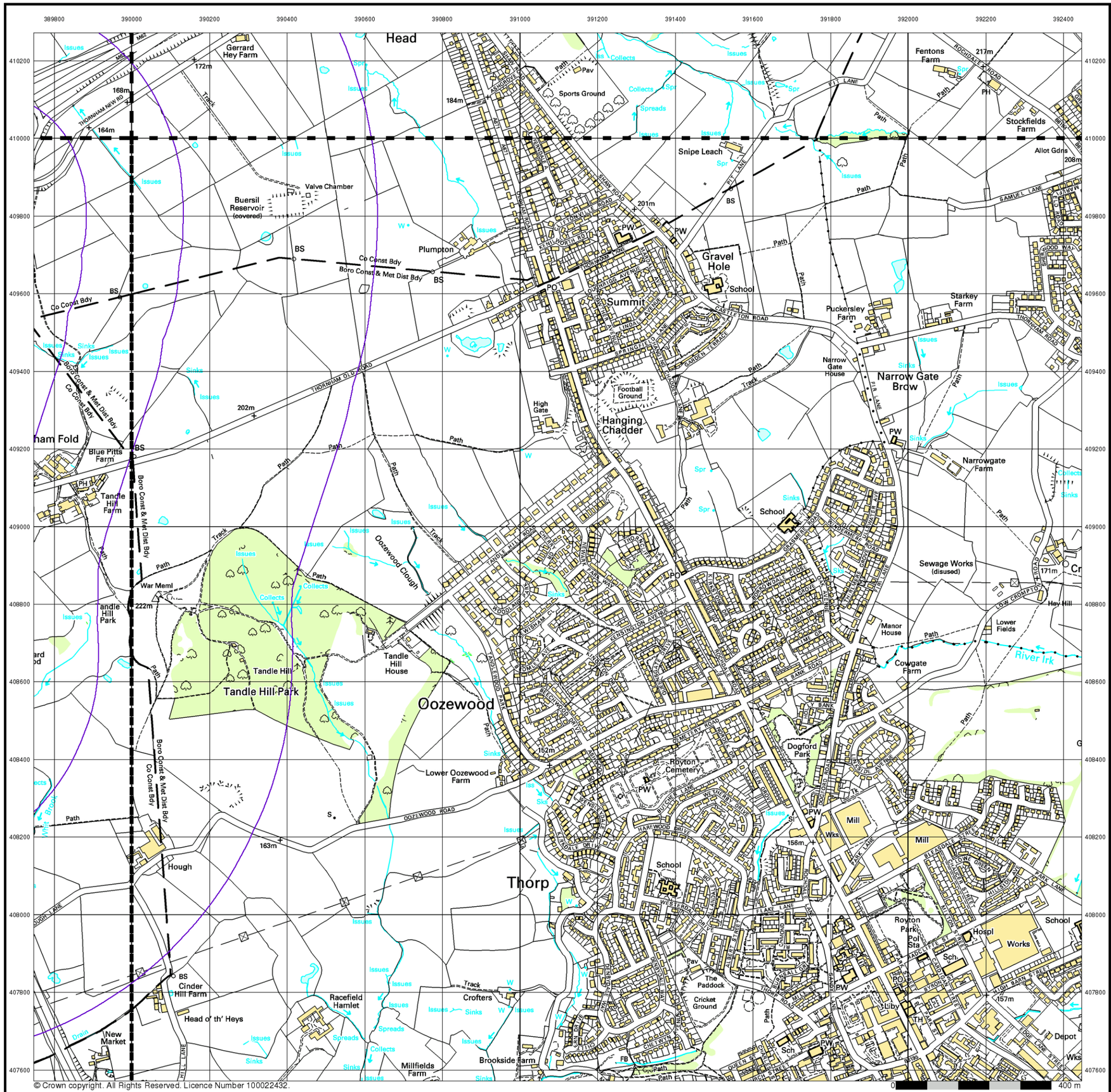
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Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

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10k Raster Mapping

Published 1999

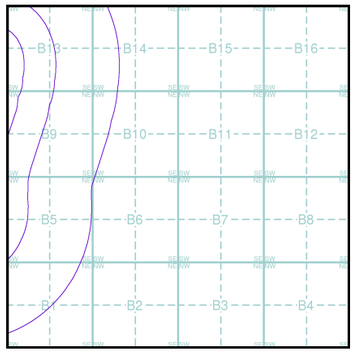
Source map scale - 1:10,000

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)

SD81SE 1999 1:10,000	SD91SW 1999 1:10,000
SD80NE 1999 1:10,000	SD90NW 1999 1:10,000

Historical Map - Slice B



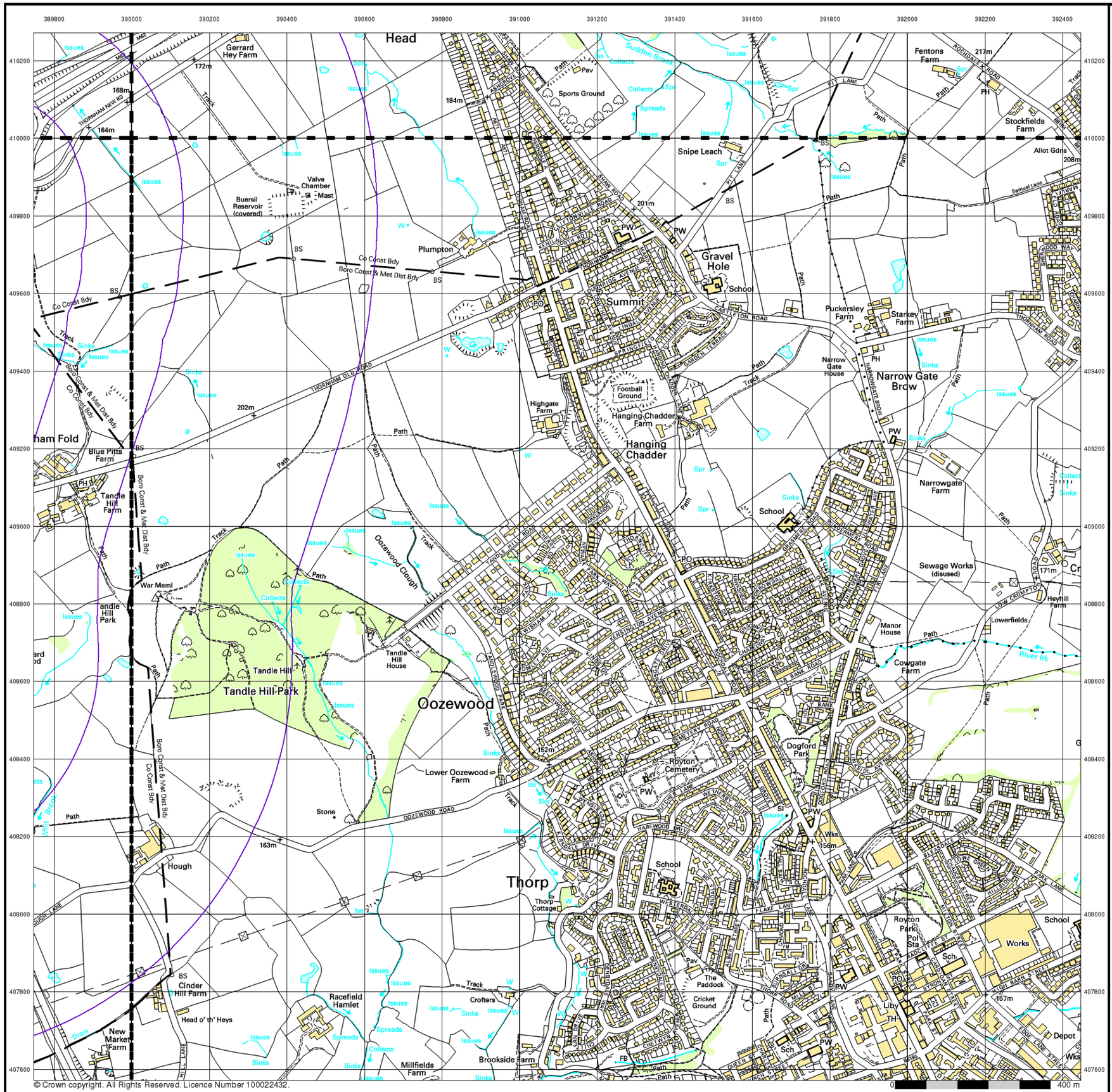
Order Details

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RSK

10k Raster Mapping

Published 2006

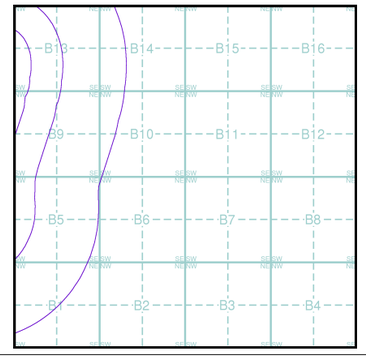
Source map scale - 1:10,000

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)

SD81SE 2006 1:10,000	SD91SW 2006 1:10,000
SD80NE 2006 1:10,000	SD90NW 2006 1:10,000

Historical Map - Slice B



Order Details

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VectorMap Local

Published 2021

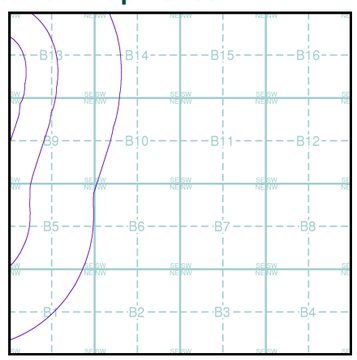
Source map scale - 1:10,000

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)

SD81SE 2021 Variable	SD91SW 2021 Variable
SD80NE 2021 Variable	SD90NW 2021 Variable

Historical Map - Slice B



Order Details

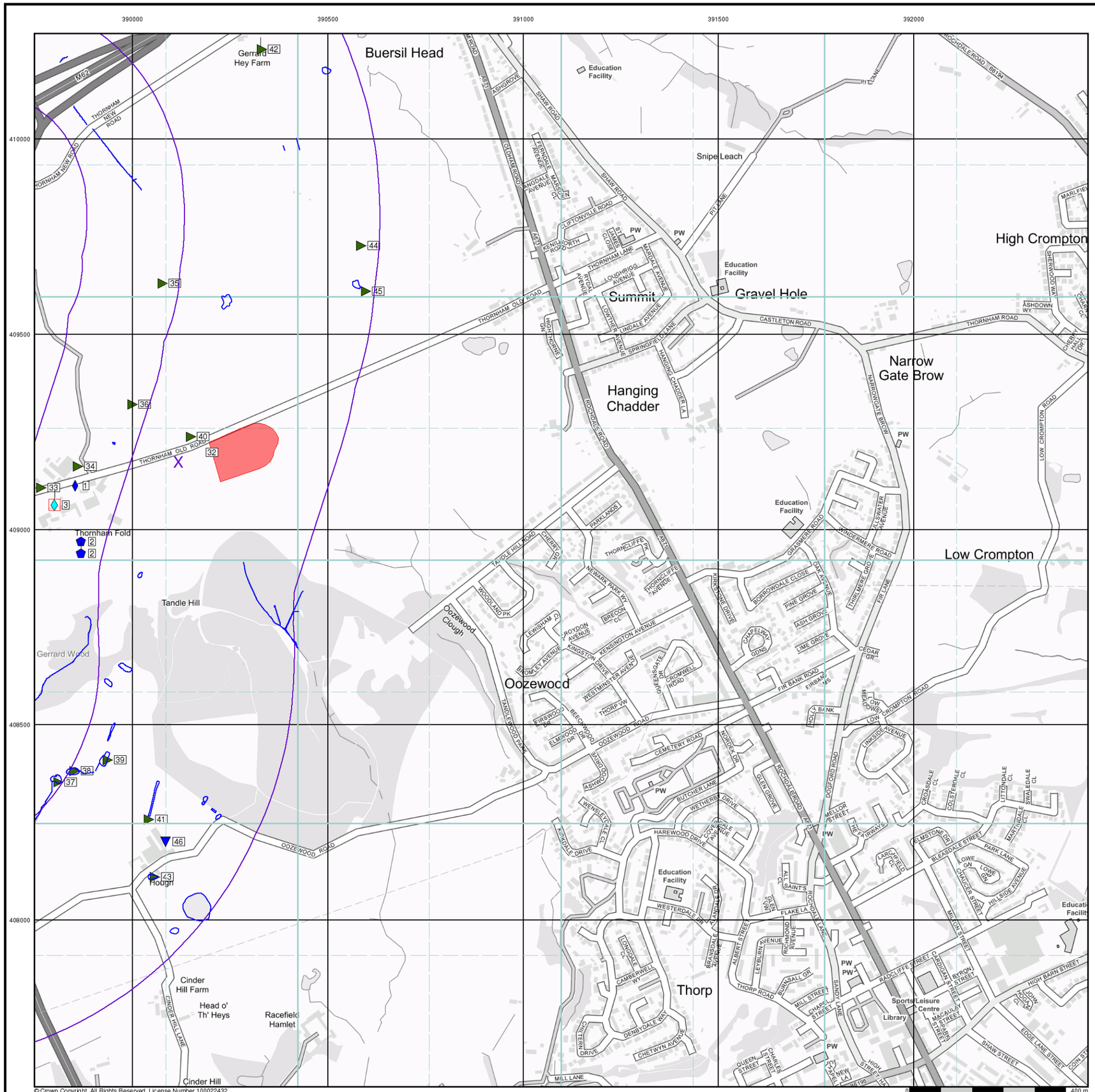
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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RSK

General

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

Several of Type at Location

Agency and Hydrological

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

Hazardous Substances

COMAH Site | Explosive Site | NIHHS Site

- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

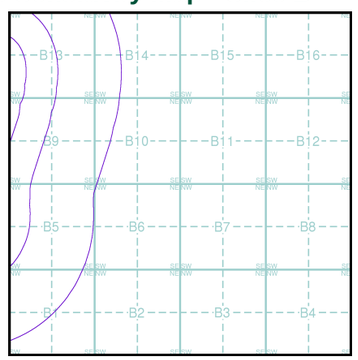
Geological

- 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 - Slice B



Order Details

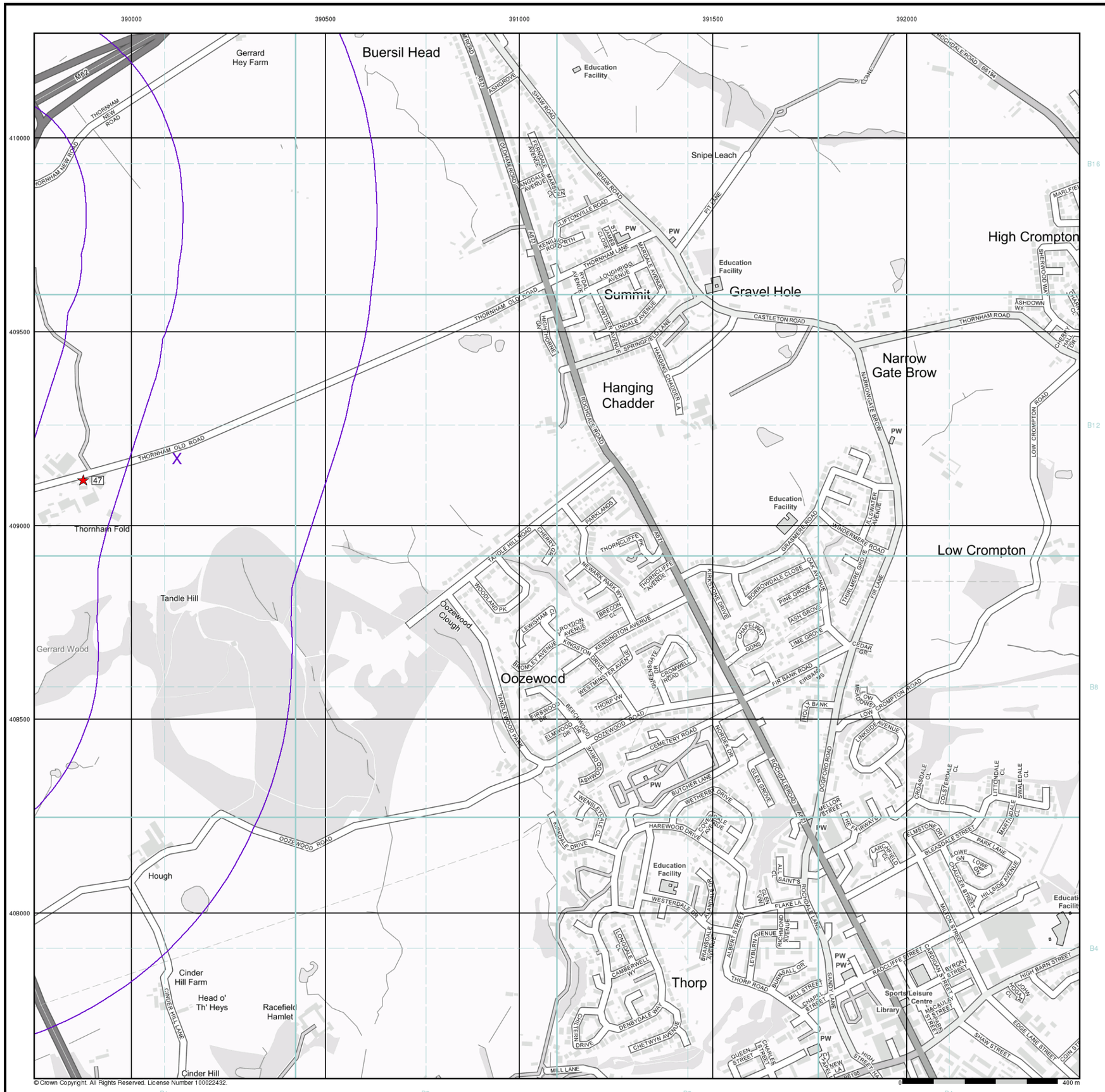
Order Number:	300522833_1_1
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National Grid Reference:	390120, 409170
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Industrial Land Use Map

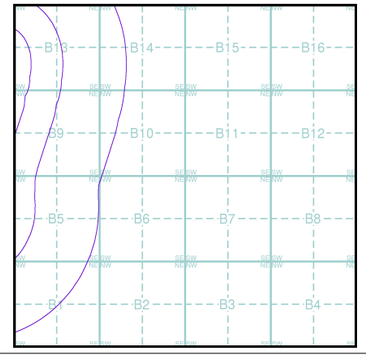
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- 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



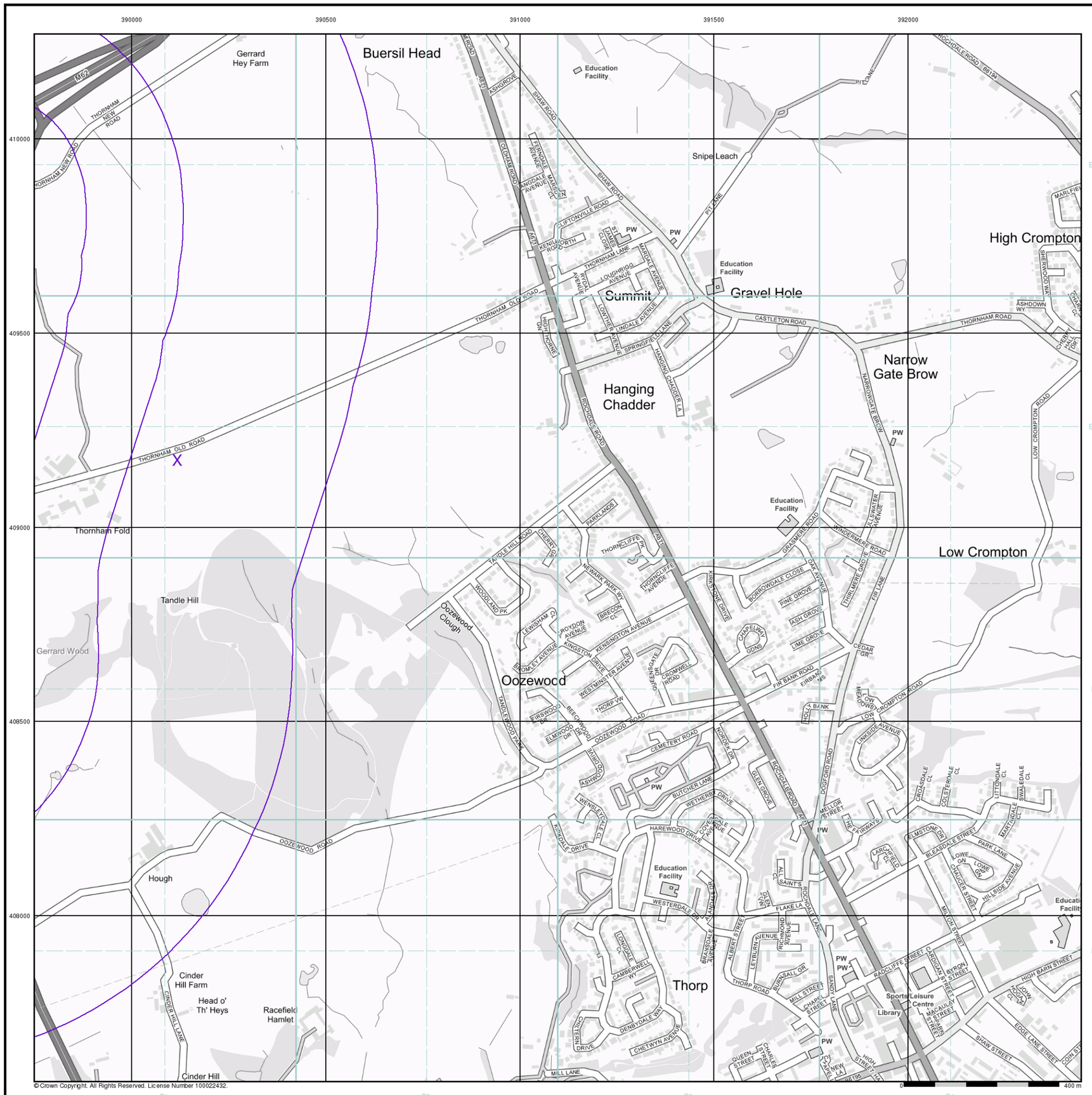
Order Details

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RSK

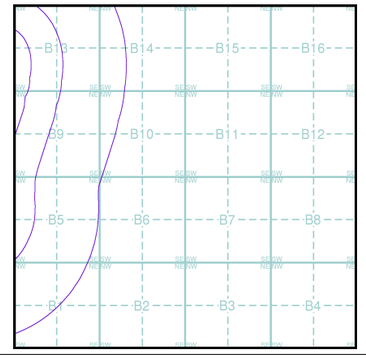
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice B



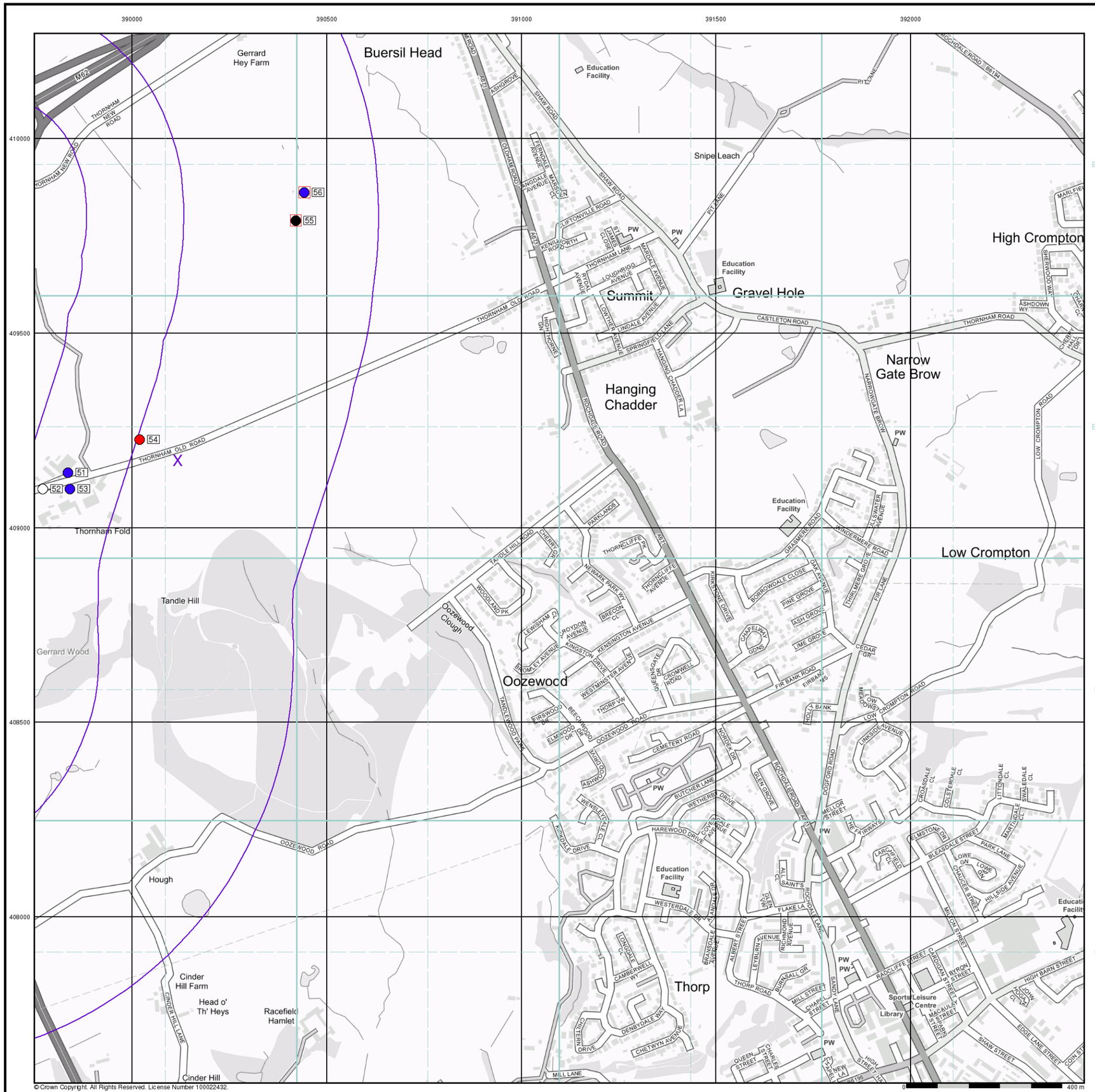
Order Details

Order Number:	300522833_1_1
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National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
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General

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

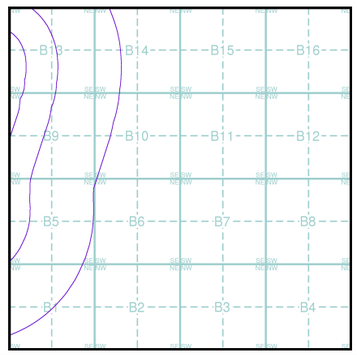
Agency and Hydrological (Boreholes)

- 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 B



Order Details

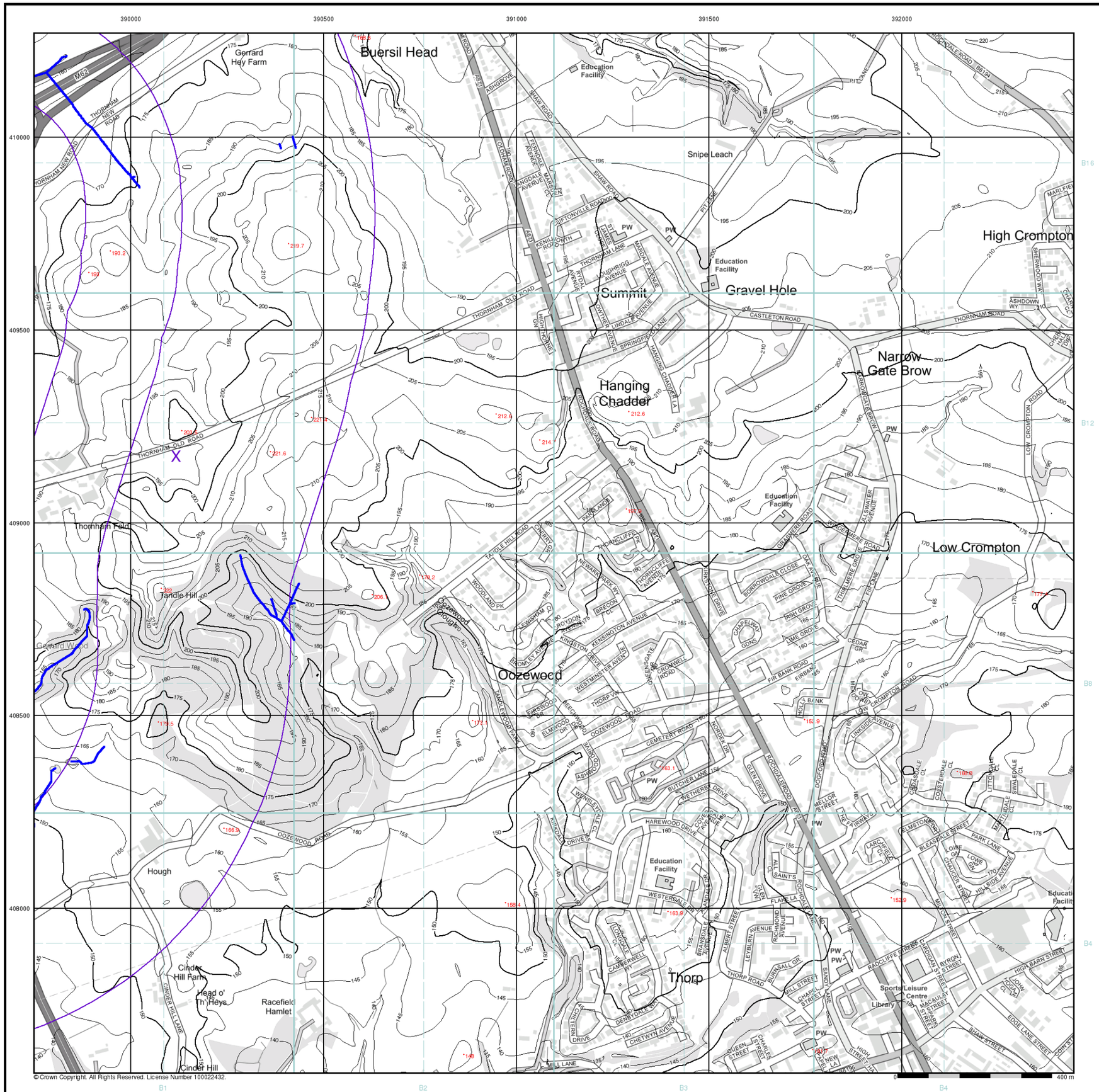
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RSK

General

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

OS Water Network Data

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

Contours (height in meters)

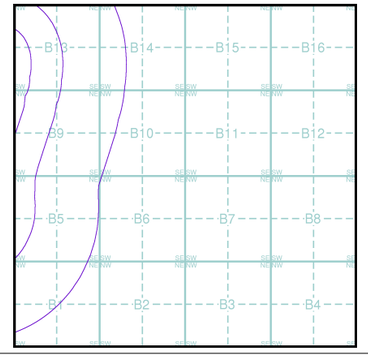
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice B



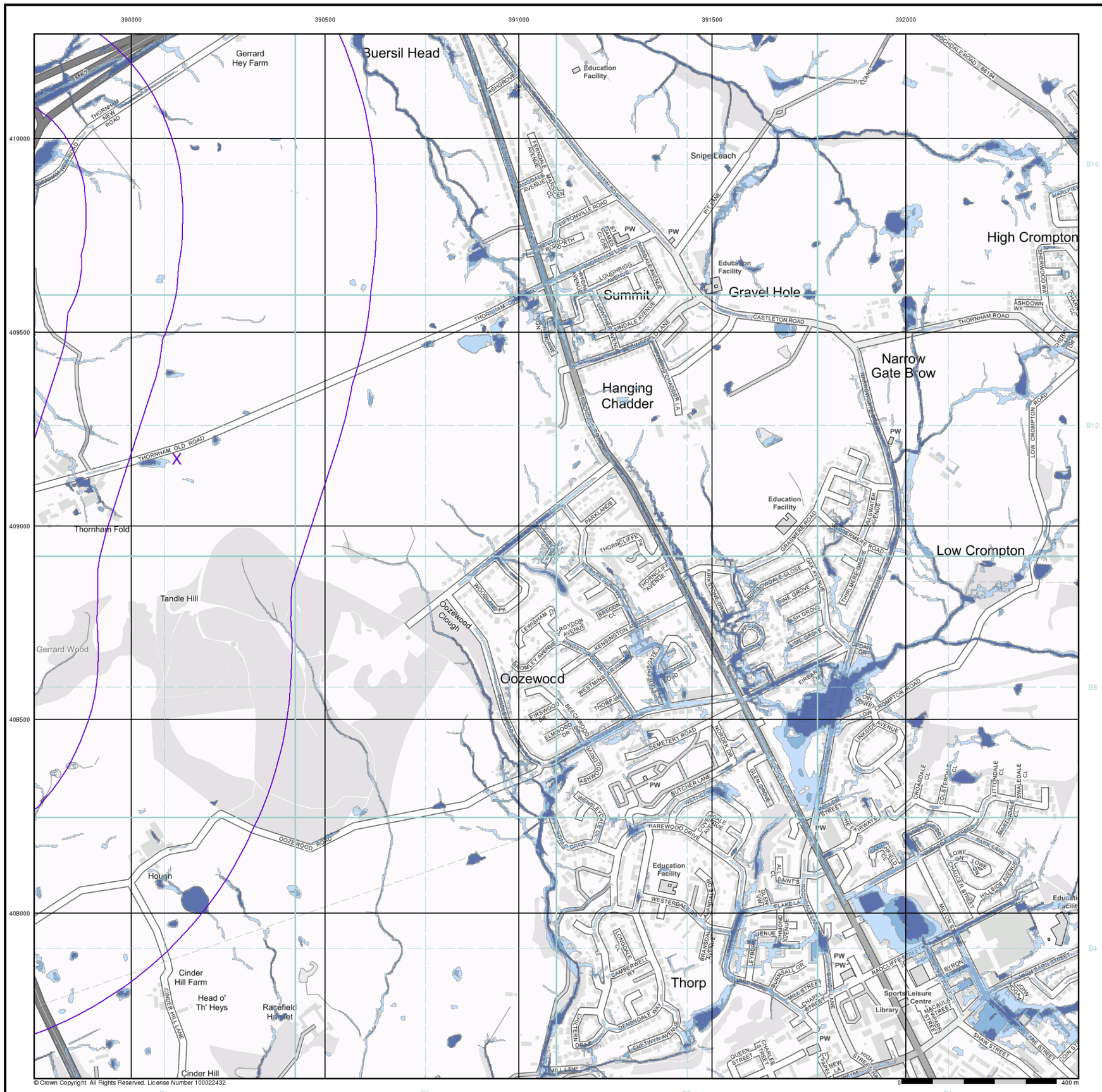
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General

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

Risk of Flooding from Surface Water

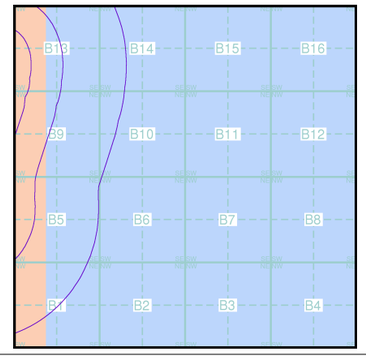
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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



Order Details

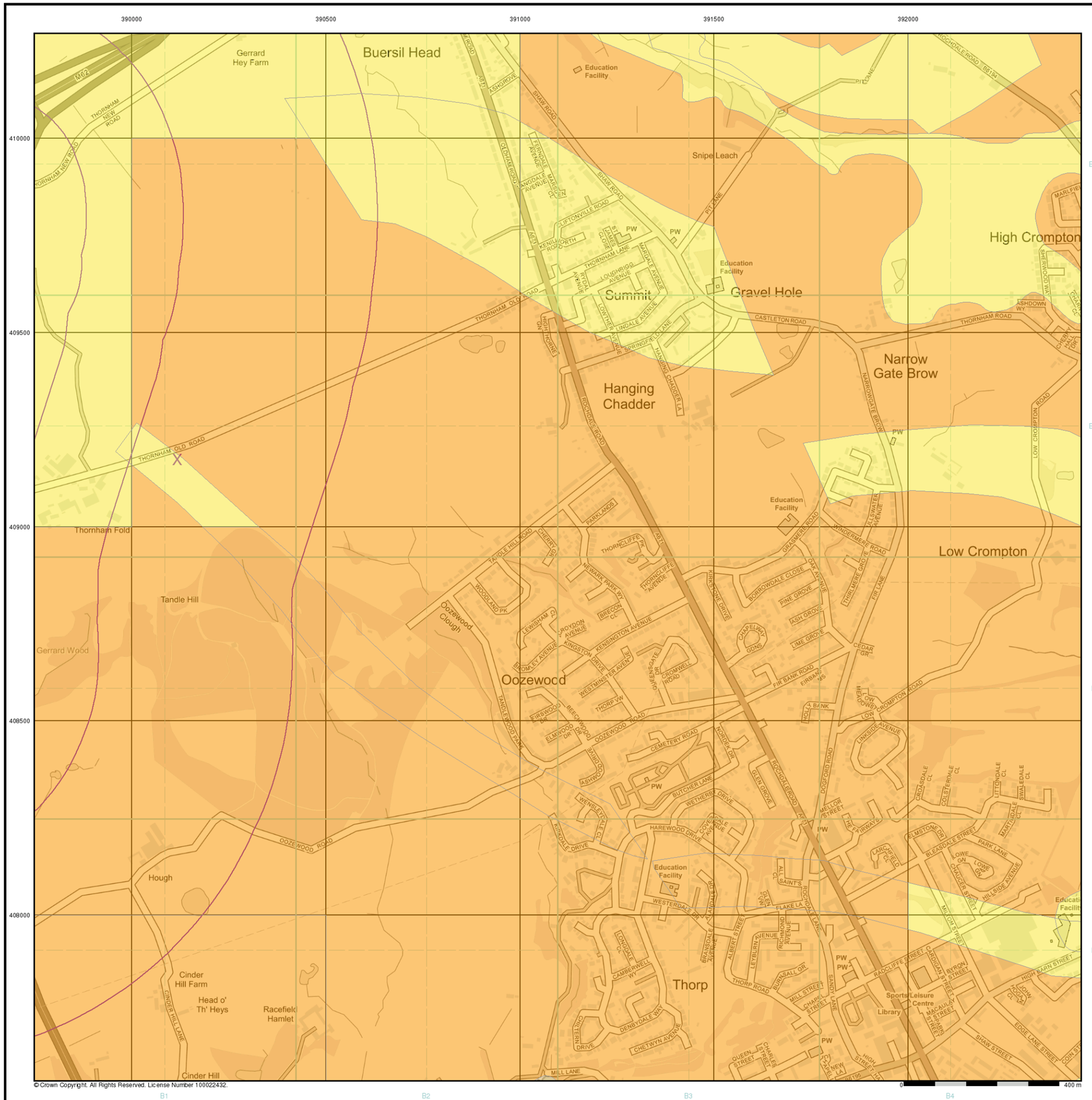
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General

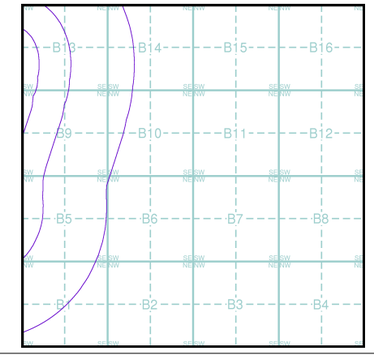
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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 B



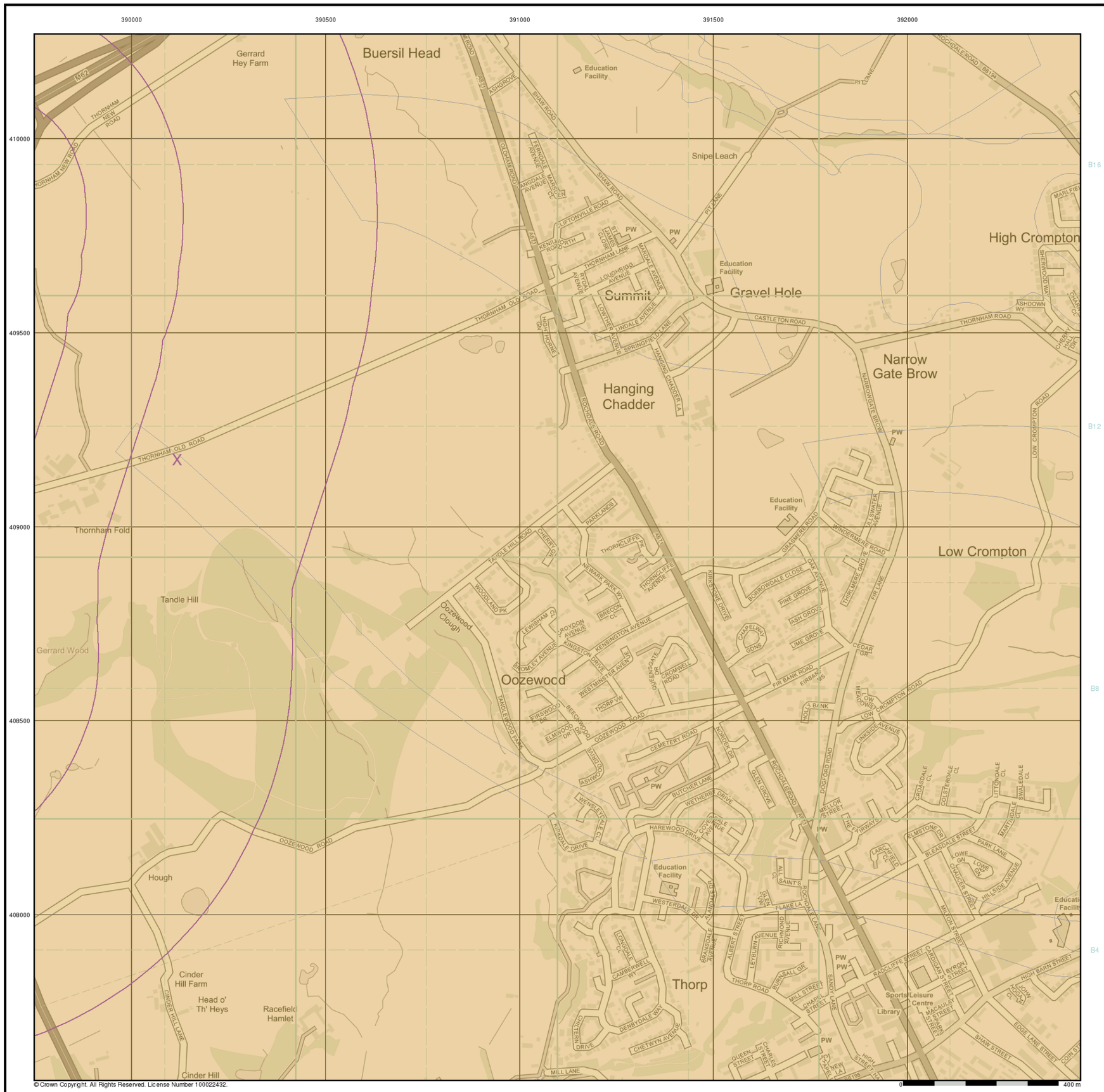
Order Details

Order Details:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390120, 409170
Slice:	B
Site Area (Ha):	95.3
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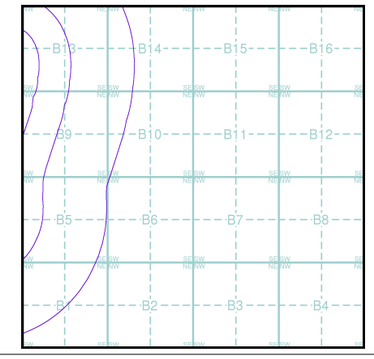
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



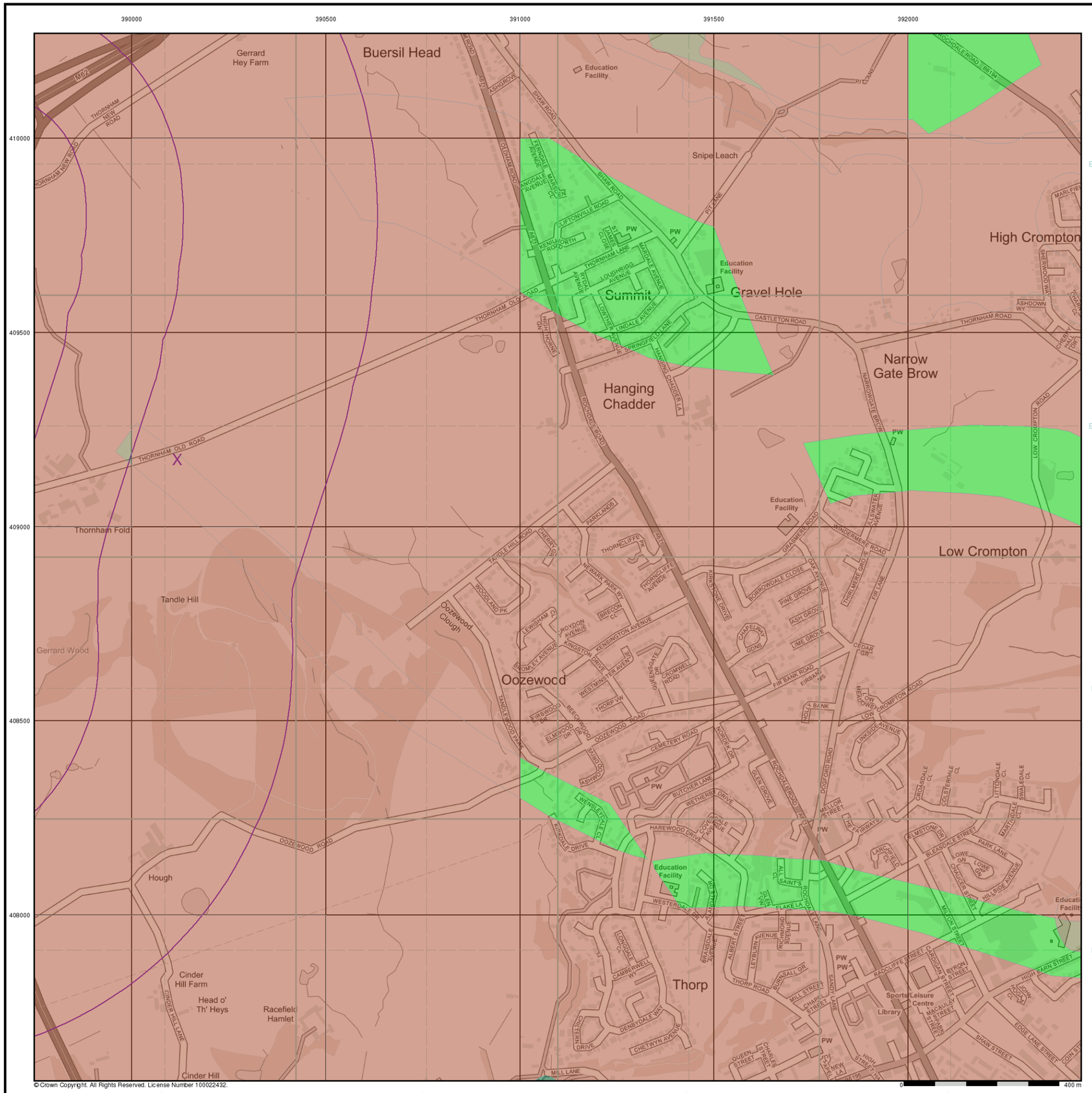
Order Details

Order Details:	300522833_1_1
Customer Ref:	322974
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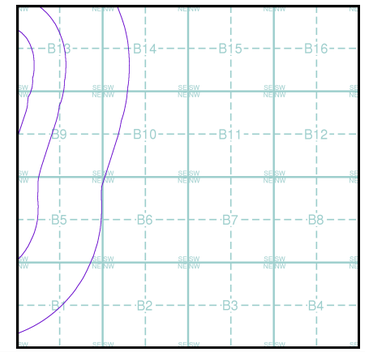
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



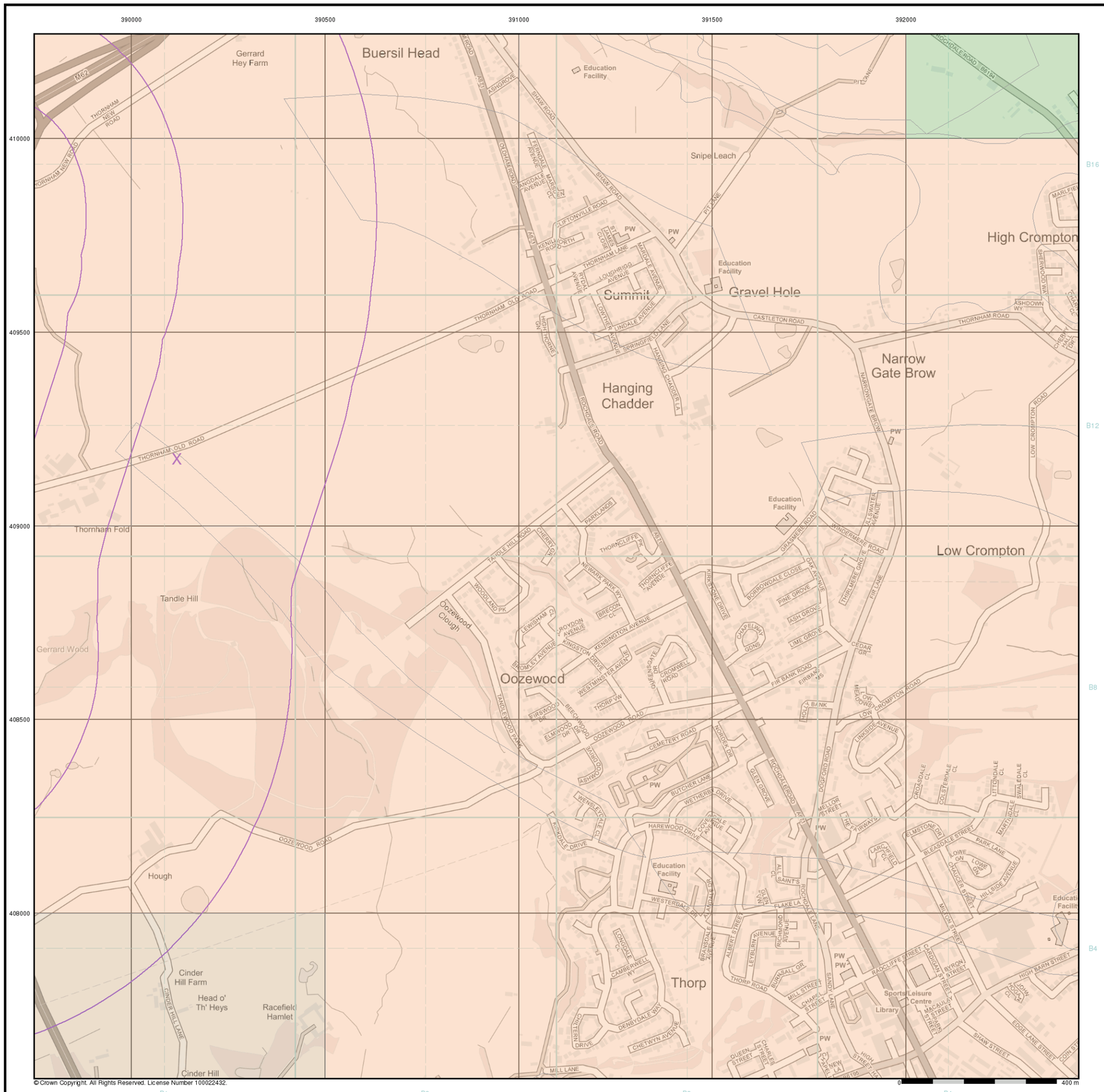
Order Details

Order Details:	300522833_1_1
Customer Ref:	322974
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Slice:	B
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General

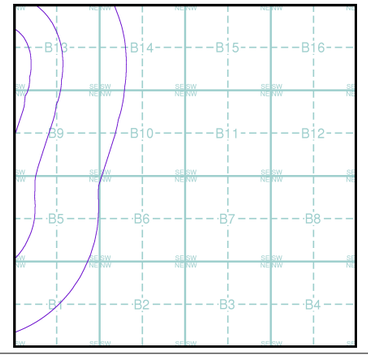
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



Order Details

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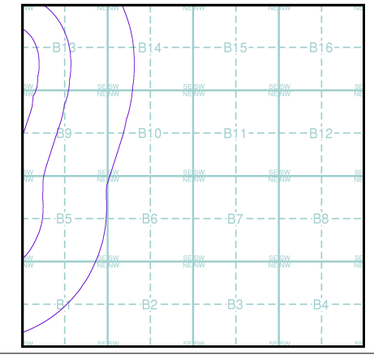
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



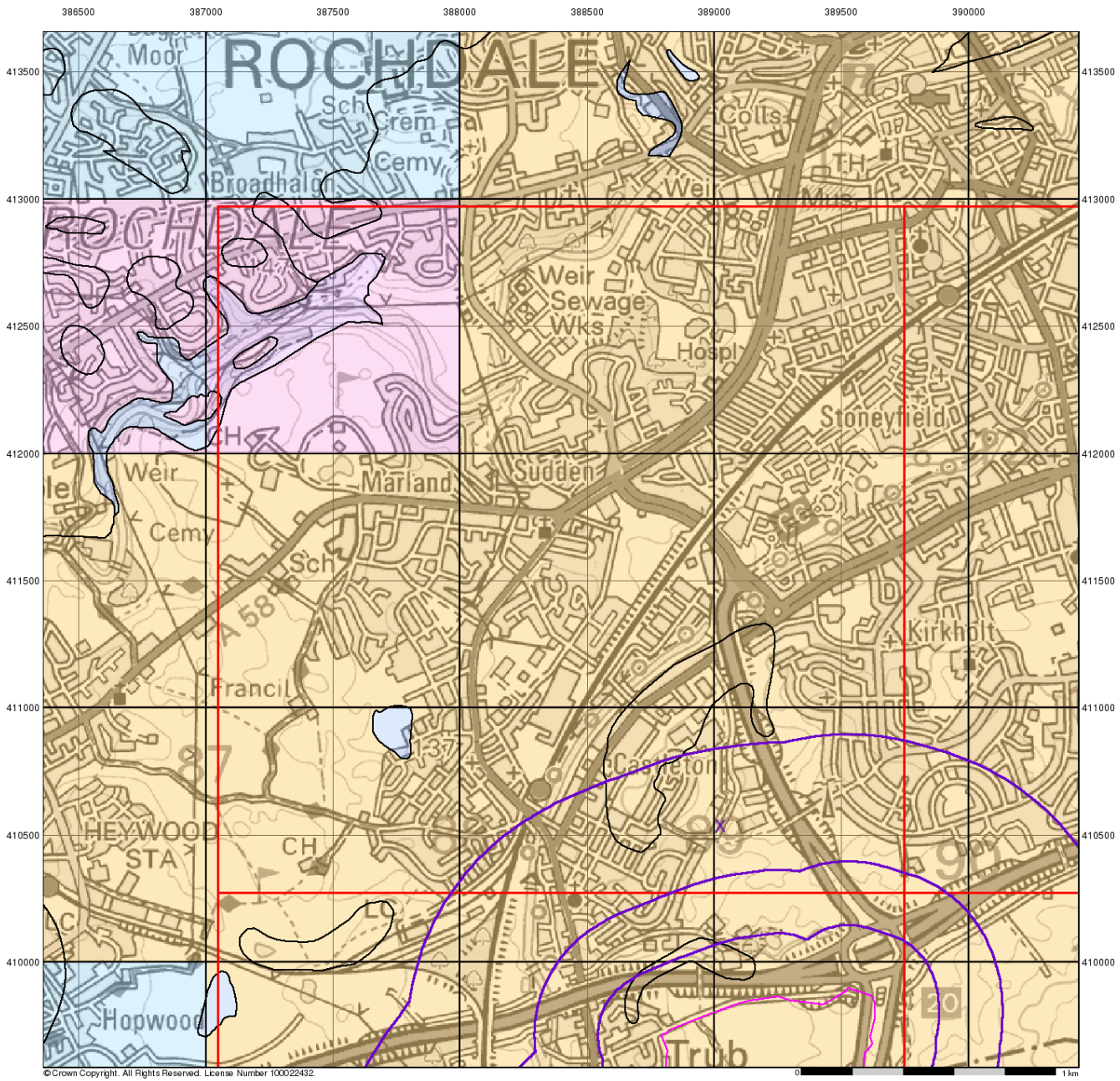
Order Details

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RSK

Groundwater Vulnerability

General

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

Slice | Map ID

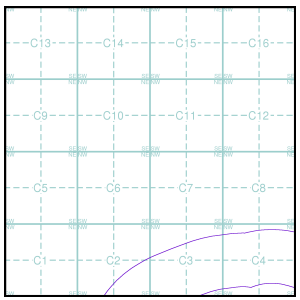
Agency and Hydrological

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice C



Order Details

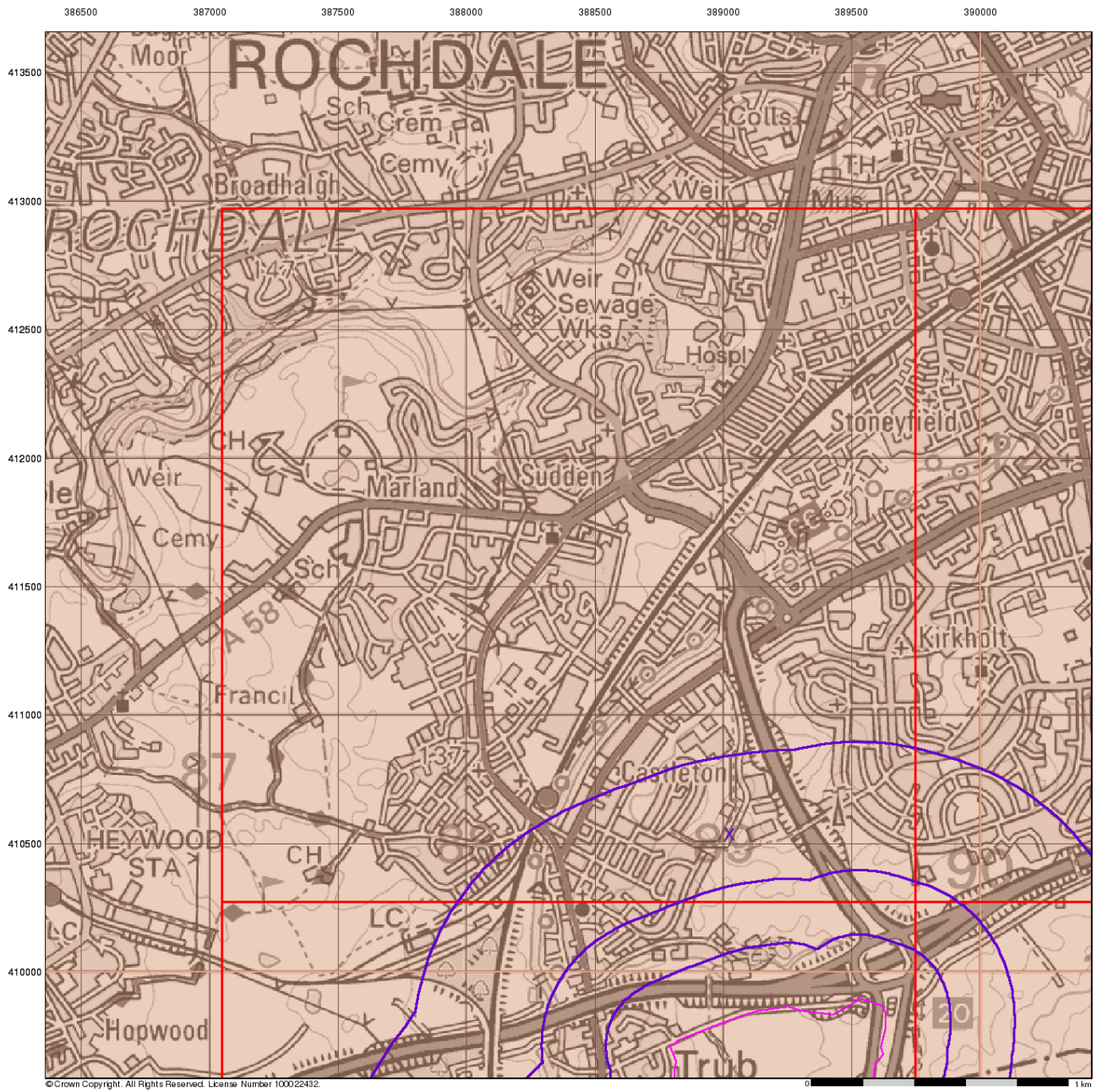
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	389020, 410530
Slice:	C
Site Area (Ha):	95.3
Search Buffer (m):	1000

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Bedrock Aquifer Designation

General

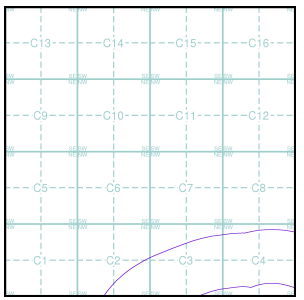
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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



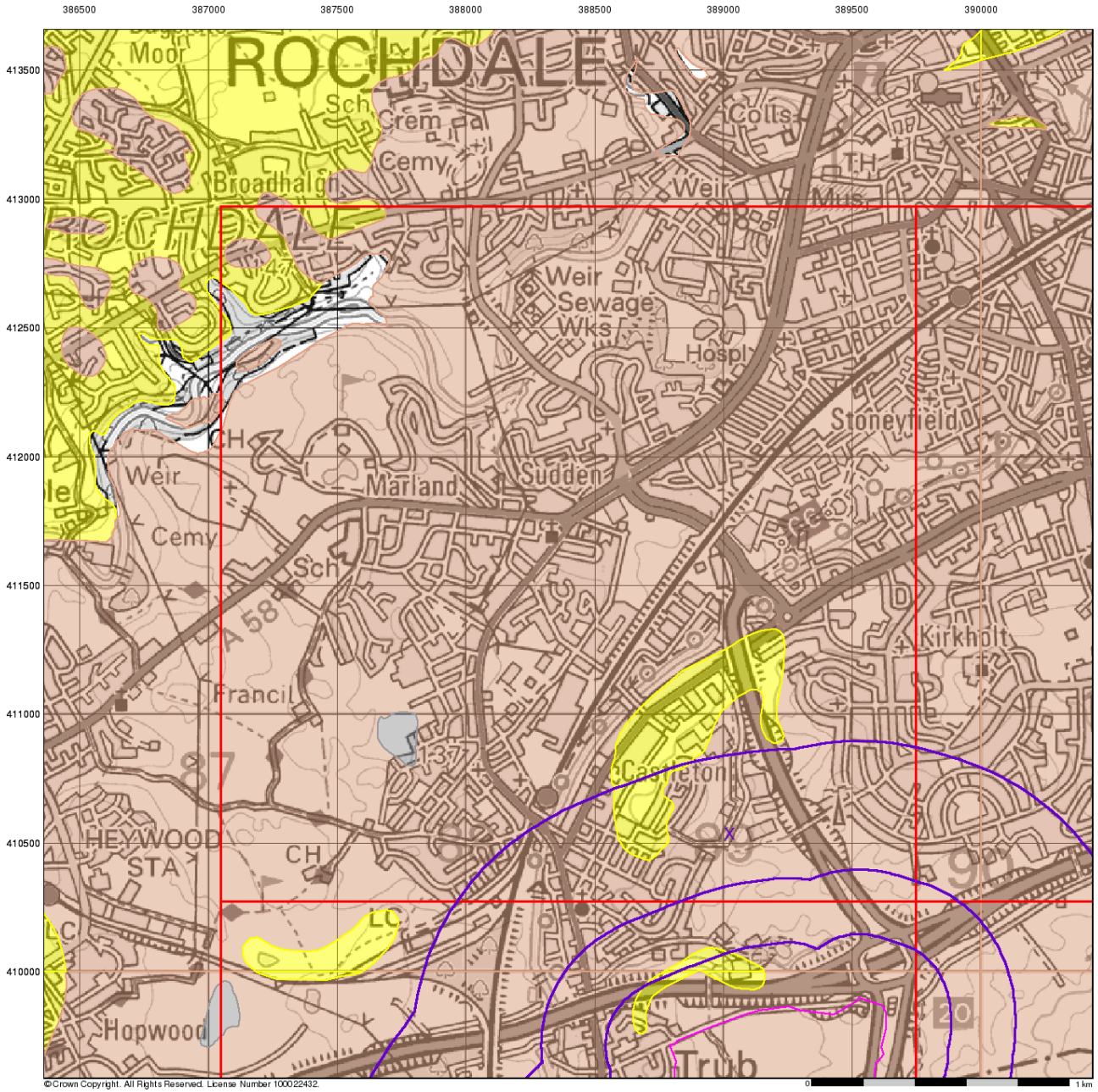
Order Details

Order Number:	300522833_1_1
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National Grid Reference:	389020, 410530
Slice:	C
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Superficial Aquifer Designation

General

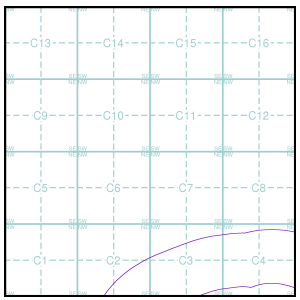
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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



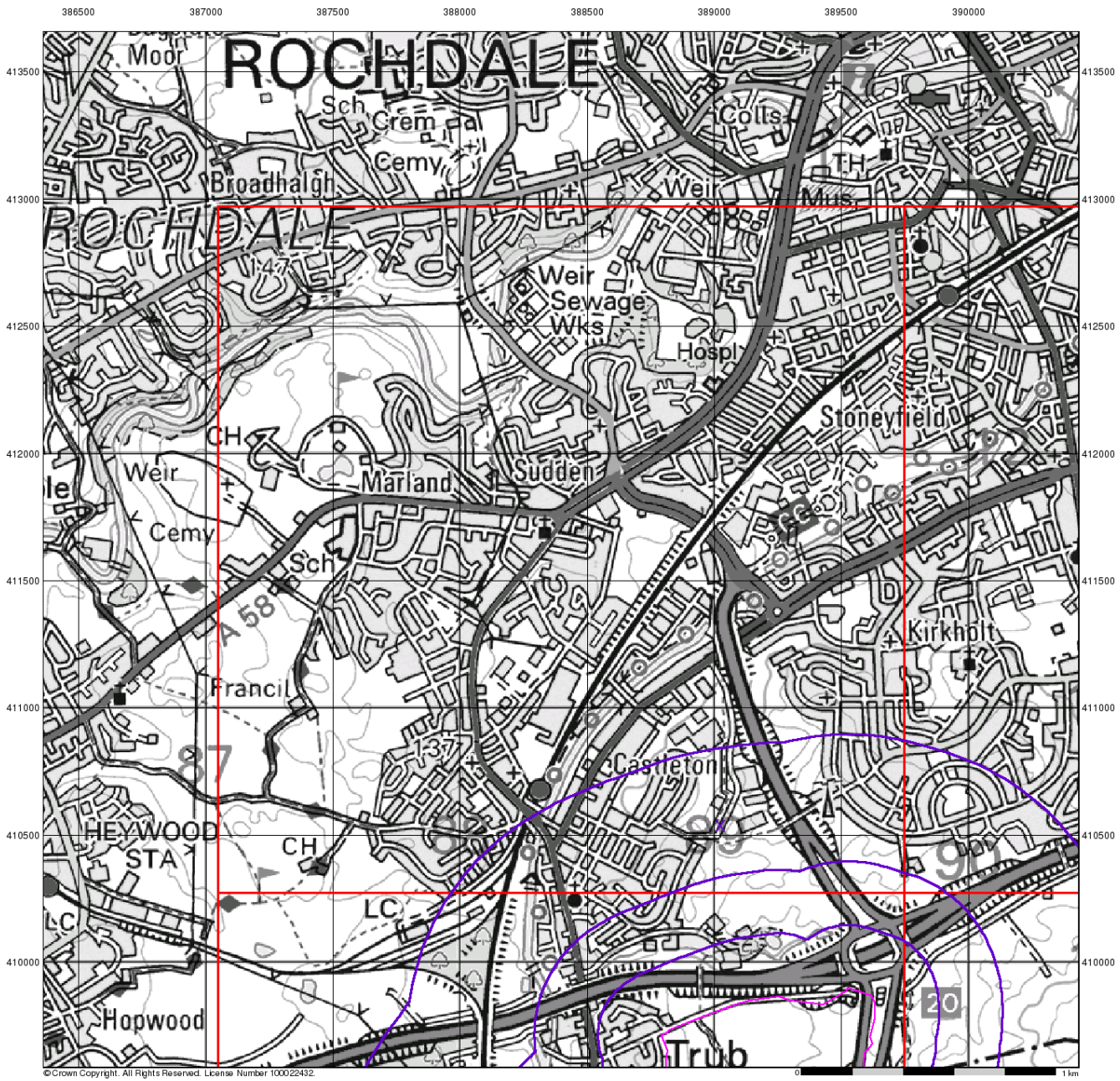
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	389020, 410530
Slice:	C
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



RSK

Source Protection Zones

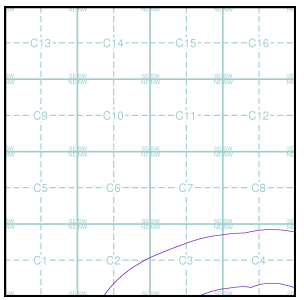
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice C



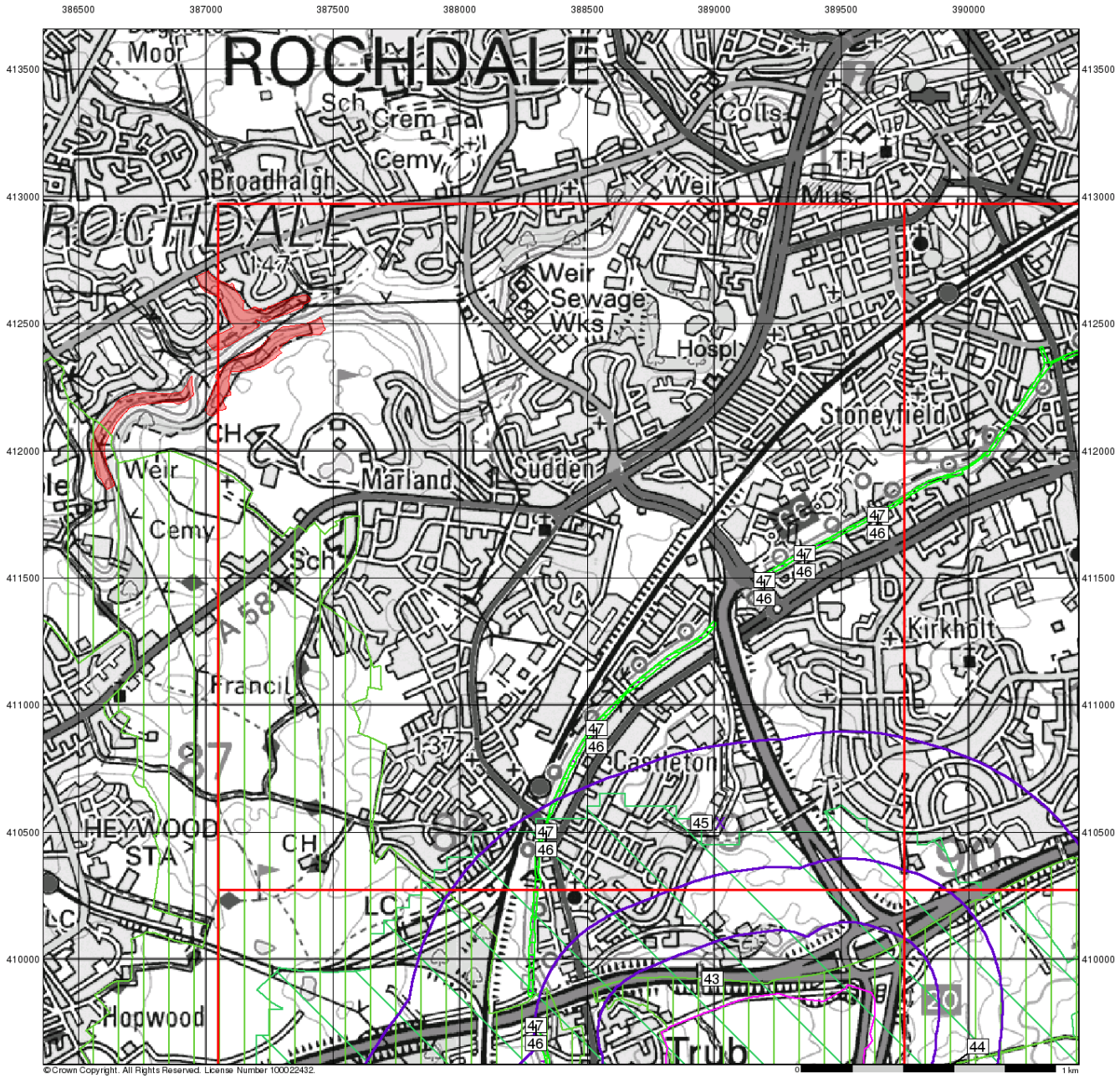
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
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Sensitive Land Uses

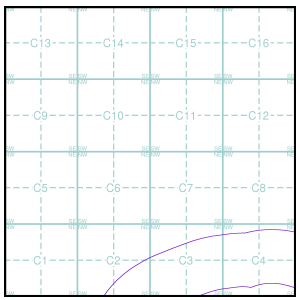
General

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

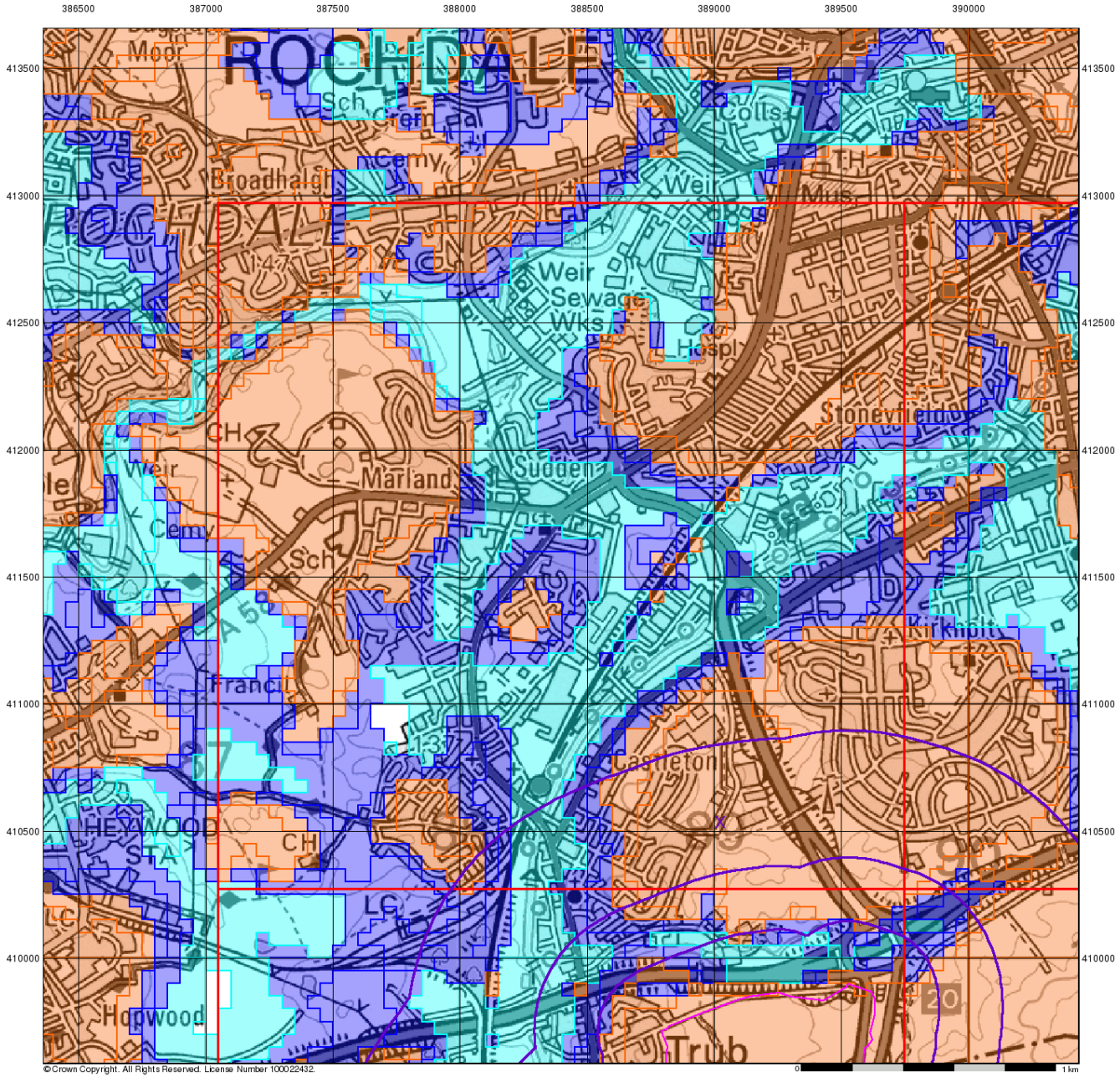


Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	389020, 410530
Slice:	C
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH



RSK

BGS Flood GFS Data

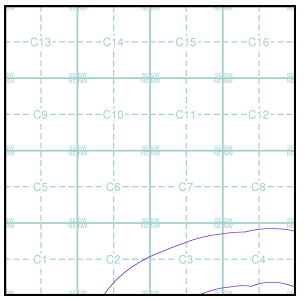
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice C



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	389020, 410530
Slice:	C
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
300522833_1_1

Customer Reference:
322974

National Grid Reference:
389020, 410530

Slice:
C

Site Area (Ha):
95.3

Search Buffer (m):
1000

Site Details:

Thornfield Farm, Thornham Lane
Middleton
MANCHESTER
M24 2SH

Client Details:

Mr R Newberry
RSK Environment Ltd
Spring Lodge
172 Chester Road
Helsby
Cheshire
WA6 0AR

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	9
Hazardous Substances	-
Geological	10
Industrial Land Use	12
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Introduction

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

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 4				1
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4			Yes	
Pollution Incidents to Controlled Waters	pg 4				9
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 6		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 6				1 (*2)
Water Industry Act Referrals	pg 7				2
Groundwater Vulnerability Map	pg 7	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	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				9

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 9	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 9				3
Potentially Infilled Land (Water)	pg 9			1	
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					

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 10	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 10	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 10				2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 11	Yes	n/a	n/a	n/a
Mining Instability	pg 11	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 11		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 11		Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 11		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 11		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 12				16
Fuel Station Entries					
Points of Interest - Commercial Services	pg 13				2
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 13			1	13
Points of Interest - Public Infrastructure	pg 14				2
Points of Interest - Recreational and Environmental	pg 14				2
Gas Pipelines					
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	pg 15	1	1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 15	1			
Ramsar Sites					
Sites of Special Scientific Interest	pg 15		1		
Special Areas of Conservation	pg 15		1		
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	389000 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	388850 409850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	389023 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	0	1	389450 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	37	1	389050 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	48	1	389400 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	59	1	389550 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	60	1	389350 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	63	1	388950 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	74	1	389600 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	76	1	389023 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	82	1	388900 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	101	1	388850 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	104	1	389450 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	107	1	389550 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	108	1	389450 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	110	1	388950 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	120	1	389750 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	128	1	388800 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	130	1	389350 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	133	1	389750 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(S)	137	1	389023 410100

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)	155	1	389700 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	156	1	389550 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	169	1	389600 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	173	1	389350 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	174	1	388900 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	180	1	389800 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	184	1	388550 409700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	186	1	389750 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	187	1	389200 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	187	1	389250 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	192	1	388700 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	199	1	389100 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	204	1	388950 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	204	1	389500 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	206	1	389050 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	206	1	389550 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	224	1	389750 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	231	1	388600 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	232	1	389650 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	242	1	389100 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	242	1	388550 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	244	1	389850 410000

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)	247	1	389700 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3SE (N)	254	1	389023 410534
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	259	1	388800 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	267	1	389023 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SE)	267	1	389750 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	281	1	389000 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	284	1	389300 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	294	1	389700 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	310	1	389900 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	315	1	389023 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3SW (W)	321	1	388600 410450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	323	1	388500 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	328	1	389000 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	334	1	389900 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	335	1	389800 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	C3SW (W)	347	1	388500 410450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	C3SW (W)	351	1	388600 410400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	355	1	389950 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	358	1	389750 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	368	1	390000 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	369	1	388450 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	377	1	389950 410100

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	(E)	379	1	389800 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	379	1	388850 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SE)	402	1	390000 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SE)	404	1	389950 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	C3SE (S)	412	1	389023 410350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	423	1	389800 410300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	445	1	390000 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(E)	474	1	389900 410300
1	**Discharge Consents** Operator: Network Rail Infrastructure Limited Property Type: LAND TRANSPORT + VIA PIPELINES/FREIGHT Location: Rochdale West Signal Box, Railway Brow, Castleton, Greater Manchester, Ol11 2sp Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprlp3021gs Permit Version: 1 Effective Date: 1st August 2011 Issued Date: 1st August 2011 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Groundwater Via Infilt System **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	C2SE (W)	884	2	388280 410431
	Nearest Surface Water Feature	(SE)	373	-	389616 410262
2	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 8th June 1993 Incident Reference: 93611160 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C2SE (W)	764	2	388300 410295
2	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 3rd June 1993 Incident Reference: 93611117 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C2SE (W)	768	2	388300 410300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Rochdale Canal; Oil Incident Date: 2nd October 1996 Incident Reference: 96622122 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C2SE (W)	847	2	388300 410400
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: Not Supplied Incident Date: 16th March 1994 Incident Reference: 94610489 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C2SE (W)	926	2	388300 410495
4	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Fuel Oil Note: Rochdale Canal; Crude Oil Incident Date: 13th July 1994 Incident Reference: 94621553 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	C2SE (W)	930	2	388300 410500
5	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Oil Seeping Into Canal At , Manchester Road, Castleton , ROCHDALE Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Rochdale Canal; Oil Incident Date: 6th August 1997 Incident Reference: 97621423 Catchment Area: Rochdale Canal Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C3SW (W)	961	2	388405 410595
5	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Rochdale Canal; Oil Incident Date: 8th March 1996 Incident Reference: 96620471 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	C3SW (W)	963	2	388400 410595
5	**Pollution Incidents to Controlled Waters** Property Type: No Premises Identified Location: Rochdale Canal, CASTLETON Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Other Organic Wastes Note: Not Supplied Incident Date: 30th January 1999 Incident Reference: 634 Catchment Area: Rochdale Canal Receiving Water: Canal Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	C3SW (W)	966	2	388405 410600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Fuel Oil Note: Not Supplied Incident Date: 7th January 1995 Incident Reference: 95620024 Catchment Area: Rochdale Canal Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	C3SW (W)	968	2	388400 410600
	River Quality Name: Rochdale Canal GQA Grade: River Quality B Reach: Qsl At Summit To Empress Processing Estimated Distance (km): 27.6 Flow Rate: Flow greater than 80 cumecs Flow Type: Canal Year: 2000	C3NW (NW)	143	2	388618 410711
6	**Water Abstractions** Operator: Sonoco Industrial Packaging Licence Number: 2569002024 Permit Version: Not Supplied Location: Rochdale Canal, Castleton, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 123 Yearly Rate (m3): 30458 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	C3SW (W)	879	2	388400 410500
	Water Abstractions Operator: Mr M Gadhi And Mr A Raazaq Licence Number: 2569002074 Permit Version: Not Supplied Location: Rochdale Canal At Queensway, Castleton, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 114 Yearly Rate (m3): 36368 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	C7SE (N)	1359	2	389000 411200
	Water Abstractions Operator: M S Gadhi & A Raazaq Licence Number: 2569002026 Permit Version: Not Supplied Location: Borehole, Crest Mill, Queensway, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 655 Yearly Rate (m3): 91829 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	C7NE (N)	1457	2	389005 411300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Water Industry Act Referrals** Name: Whipp And Bourne Ltd Location: SWITCHGEAR WORKS,MANCHESTER ROAD, CASTLETON, ROCHDALE, LANCASHIRE, OL11 2SS Authority: Environment Agency, North West Region Permit Reference: BB4588 Dated: 12th June 1998 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations **Status: Application received by the EA but is not yet authorised** Positional Accuracy: Manually positioned to the road within the address or location	C2SE (W)	817	2	388375 410413
7	**Water Industry Act Referrals** Name: Whipp And Bourne Ltd Location: SWITCHGEAR WORKS,MANCHESTER ROAD, CASTLETON, ROCHDALE, LANCASHIRE, OL11 2SS Authority: Environment Agency, North West Region Permit Reference: BB5193 Dated: 12th June 1998 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations **Status: Application received by the EA but is not yet authorised** Positional Accuracy: Manually positioned to the road within the address or location	C2SE (W)	831	2	388376 410431
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(S)	0	3	388922 410000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(S)	0	3	389158 410000
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(S)	0	3	389023 410000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(S)	0	3	388922 410000
	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				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences None				
8	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 109.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	C2SE (W)	675	4	388302 410272
9	**OS Water Network Lines** Watercourse Form: Transfer Watercourse Length: 70.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	C2SE (W)	742	4	388316 410316
10	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 23.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	C2SE (W)	745	4	388300 410295
11	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 25.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	C2SE (W)	764	4	388301 410320
12	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 120.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	C2SE (W)	780	4	388281 410344
13	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 10.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	C2SE (W)	782	4	388305 410330
14	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 219.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	C2SE (W)	788	4	388345 410542
15	**OS Water Network Lines** Watercourse Form: Lock or flight of locks Watercourse Length: 25.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	C2SE (W)	943	4	388353 410566
16	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 1199.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Rochdale Canal Catchment Name: Mersey Primacy: 2	C7SW (NW)	959	4	388580 410968

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	5	389023 410534
17	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	C3SE (SW)	607	-	388822 410383
18	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	C3SE (SW)	608	-	388776 410367
19	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1993	C3SE (SW)	663	-	388945 410490
20	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	C4SE (E)	413	-	389688 410278

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	C3SE (N)	0	1	389023 410534
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment 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	C3SE (N)	0	1	389023 410534
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3SE (SW)	187	1	389000 410500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3SW (W)	411	1	388500 410500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	C3SW (W)	835	1	388500 410534
21	**BGS Recorded Mineral Sites** Site Name: Windy Bank Sand Pit Location: Castleton, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96583 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	C3SE (SW)	615	1	388811 410387
22	**BGS Recorded Mineral Sites** Site Name: Windy Bank Sand Pit Location: Castleton, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96584 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	C3SE (W)	701	1	388893 410507

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	C3SE (N)	0	6	389023 410534
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	C3SE (N)	0	-	389023 410534
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (N)	104	1	389023 410534
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (N)	104	1	389023 410534
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	C3SE (N)	104	1	389023 410534
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (N)	104	1	389023 410534
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C3SE (E)	153	1	389023 410534
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C3SE (N)	104	1	389023 410534
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	C3SE (N)	104	1	389023 410534
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	C4SE (E)	114	1	389698 410307
	Radon Potential - Radon Affected Areas No Data Available				
	Radon Potential - Radon Protection Measures No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Contemporary Trade Directory Entries** Name: A C G Distribution Location: Leander Drive, Rochdale, Lancashire, OL11 2XD Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	C3SE (SW)	550	-	388889 410346
24	**Contemporary Trade Directory Entries** Name: Red Rose Preservations Ltd Location: Newchurch Place, Manchester Road, Rochdale, Lancashire, OL11 2ST Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Automatically positioned to the address	C3SW (W)	732	-	388434 410350
24	**Contemporary Trade Directory Entries** Name: Chem Free Building Preservation Ltd Location: 885, Manchester Road, Rochdale, Lancashire, OL11 2ST Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C3SW (W)	762	-	388405 410366
25	**Contemporary Trade Directory Entries** Name: P K Joinery Location: 54, Newchurch Street, Rochdale, Lancashire, OL11 2SZ Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C3SW (W)	740	-	388505 410397
26	**Contemporary Trade Directory Entries** Name: Whipp & Bourne Location: Switchgear Works, Manchester Road, ROCHDALE, Lancashire, OL11 2SS Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C2SE (W)	770	-	388346 410338
26	**Contemporary Trade Directory Entries** Name: F K I Logistex Ltd Location: Switchgear Works,Manchester Rd, Rochdale, Lancashire, OL11 2SS Classification: Crane Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	C2SE (W)	770	-	388345 410338
27	**Contemporary Trade Directory Entries** Name: D R Felstead Location: Leonard Street, Rochdale, Lancashire, OL11 2SX Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C3SW (W)	797	-	388441 410429
27	**Contemporary Trade Directory Entries** Name: A & D Cylinder Head Services Location: Scholes Street, Rochdale, Lancashire, OL11 2SY Classification: Engine Rebuilding & Reconditioning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C3SW (W)	797	-	388441 410429
27	**Contemporary Trade Directory Entries** Name: Pak Kashmir Cargo Services Ltd Location: 25, Albion Street, Rochdale, Lancashire, OL11 2UT Classification: Cargo Handling Services **Status: Active** Positional Accuracy: Automatically positioned to the address	C3SW (W)	800	-	388483 410454
28	**Contemporary Trade Directory Entries** Name: Blu Bek Distribution Location: 858A Manchester Rd, Rochdale, Lancashire, OL11 2SP Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	C2SE (W)	881	-	388360 410480
28	**Contemporary Trade Directory Entries** Name: G R T Trading Location: 856, Manchester Road, Rochdale, Lancashire, OL11 2SP Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C2SE (W)	891	-	388342 410481
28	**Contemporary Trade Directory Entries** Name: Bacon Barnies Ltd Location: 854, Manchester Road, Rochdale, Lancashire, OL11 2SP Classification: Bacon & Ham Curers & Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C2SE (W)	896	-	388341 410486

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Contemporary Trade Directory Entries** Name: F Wainwright & Co Location: Manchester Road, ROCHDALE, Lancashire, OL11 2UY Classification: Asphalt & Coated Macadam Laying Contractors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C2SE (W)	980	-	388320 410571
30	**Contemporary Trade Directory Entries** Name: Castleton Cosmetic Car Repairs Location: 144, Fairway, Rochdale, Lancashire, OL11 3BZ Classification: Alloys **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C2SW (W)	990	-	388024 410335
31	**Contemporary Trade Directory Entries** Name: Northern Coatings Location: 2a, Crown Business Park, Cowm Top Lane, Rochdale, Lancashire, OL11 2PU Classification: Coating Specialists **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C4NW (N)	997	-	389098 410848
31	**Contemporary Trade Directory Entries** Name: Bad Credit New Car Location: Unit 2b, Crown Business Park, Cowm Top Lane, Rochdale, OL11 2PU Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	C4NW (N)	998	-	389106 410850
32	**Points of Interest - Commercial Services** Name: A & D Cylinder Head Services Location: Scholes Street, Rochdale, OL11 2SY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	C3SW (W)	797	7	388441 410429
32	**Points of Interest - Commercial Services** Name: Pak Kashmir Cargo Services Ltd Location: 25 Albion Street, Rochdale, OL11 2UT Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	C3SW (W)	800	7	388483 410454
33	**Points of Interest - Manufacturing and Production** Name: Tank Location: OL11 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	C4SE (E)	487	7	389722 410345
34	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3SW (W)	739	7	388428 410355
34	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3SW (W)	740	7	388428 410356
35	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C2SE (W)	749	7	388344 410311
36	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3SW (W)	884	7	388532 410566
36	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3NW (W)	954	7	388538 410644

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3NW (W)	955	7	388538 410645
37	**Points of Interest - Manufacturing and Production** Name: Business Park Location: OL11 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	C4NW (N)	921	7	389098 410772
38	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3NW (W)	979	7	388494 410653
38	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3NW (W)	980	7	388513 410662
38	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3NW (W)	980	7	388513 410662
38	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3NW (W)	997	7	388581 410708
38	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	C3NW (W)	997	7	388581 410708
39	**Points of Interest - Manufacturing and Production** Name: Works Location: OL11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	C2SE (W)	981	7	388319 410571
40	**Points of Interest - Public Infrastructure** Name: Castleton East Junction Location: OL11 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to an adjacent address or location	C2SE (W)	919	7	388178 410395
41	**Points of Interest - Public Infrastructure** Name: Weir Location: OL11 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	C2SE (W)	964	7	388348 410569
42	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	C3NE (N)	998	7	388917 410821
42	**Points of Interest - Recreational and Environmental** Name: Playground Location: Kirklee Road, OL11 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	C3NE (N)	1000	7	388909 410821

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	**Areas of Adopted Green Belt** Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan **Status: Adopted** Plan Date: 30th June 2006	(S)	0	9	388994 409921
44	**Areas of Adopted Green Belt** Authority: Oldham Metropolitan Borough Council Plan Name: Core Strategy And Development Management Policies **Status: Adopted** Plan Date: 9th November 2011	(SE)	145	10	389728 409533
45	**Nitrate Vulnerable Zones** Name: River Irk (Moston Brook To River Irwell) Nvz Description: Surface Water Source: Environment Agency, Head Office	C3SE (W)	0	3	388950 410534
46	**Sites of Special Scientific Interest** Name: Rochdale Canal Multiple Areas: Y Total Area (m2): 263678.3 Source: Natural England Reference: 2000430 Designation Details: Special Area Of Conservation Designation Date: 16th August 2000 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 16th August 2000 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 16th August 2000 Date Type: Notified	(SW)	122	8	388299 409738
47	**Special Areas of Conservation** Name: Rochdale Canal Multiple Areas: Y Total Area (m2): 261103.36 Source: Natural England Reference: UK0030266 **Status: Designated**	(SW)	122	8	388299 409738

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Rossendale Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2017	Annually
Bury Metropolitan Borough Council - Environmental Health Department	September 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	July 22	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	July 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Variable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Rossendale Borough Council - Environmental Health Department	May 2016	Variable
Local Authority Pollution Prevention and Controls		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Rossendale Borough Council - Environmental Health Department	May 2016	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Bury Metropolitan Borough Council - Environmental Health Department	February 2015	Variable
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Rossendale Borough Council - Environmental Health Department	May 2016	Variable
Nearest Surface Water Feature		
Ordnance Survey	June 2022	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	
Registered Radioactive Substances		
Environment Agency - North West Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - Central Area	July 2022	Quarterly
Environment Agency - North West Region - North Area	July 2022	Quarterly
Environment Agency - North West Region - South Area	July 2022	Quarterly
Water Abstractions		
Environment Agency - North West Region	July 2022	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified

Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	July 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
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

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - Central Area	April 2022	Quarterly
Environment Agency - North West Region - North Area	April 2022	Quarterly
Environment Agency - North West Region - South Area	April 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - Central Area	April 2022	Quarterly
Environment Agency - North West Region - North Area	April 2022	Quarterly
Environment Agency - North West Region - South Area	April 2022	Quarterly
Local Authority Landfill Coverage		
Bury Metropolitan Borough Council	February 2003	Not Applicable
Lancashire County Council - Waste Management Group	February 2003	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	February 2003	Not Applicable
Rossendale Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Bury Metropolitan Borough Council	October 2018	
Lancashire County Council - Waste Management Group	October 2018	
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2018	
Rossendale Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - Central Area	March 2006	Not Applicable
Environment Agency - North West Region - North Area	March 2006	Not Applicable
Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - Central Area	April 2018	
Environment Agency - North West Region - North Area	April 2018	
Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - Central Area	June 2015	
Environment Agency - North West Region - North Area	June 2015	
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	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Bury Metropolitan Borough Council	February 2016	Variable
Lancashire County Council	February 2016	Variable
Rochdale Metropolitan Borough Council	February 2016	Variable
Rossendale Borough Council - Planning Department	February 2016	Variable
Planning Hazardous Substance Consents		
Bury Metropolitan Borough Council	February 2016	Variable
Lancashire County Council	February 2016	Variable
Rochdale Metropolitan Borough Council	February 2016	Variable
Rossendale Borough Council - Planning Department	February 2016	Variable

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

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2022	Quarterly
Points of Interest - Education and Health PointX	June 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2022	Quarterly
Points of Interest - Public Infrastructure PointX	June 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

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

Data Suppliers

A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**Rochdale Metropolitan Borough Council - Environmental Health Department** P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01706 864139 Fax: 01706 864185 Website: www.rochdale.gov.uk
6	**The Coal Authority - Property Searches** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
7	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	**Rochdale Metropolitan Borough Council** PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
10	**Oldham Metropolitan Borough Council** Civic Centre, P O Box 55, West Street, Oldham, Lancashire, OL1 1XN	Telephone: 0161 911 3000 Fax: 0161 678 4550 Website: www.oldham.gov.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

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

1:10,000 Raster Mapping

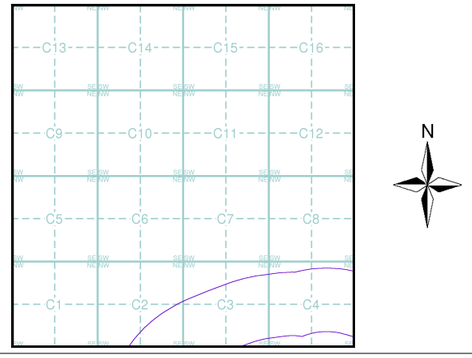
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1910 - 1911	6
Lancashire And Furness	1:10,560	1931 - 1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1968	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1977	12
Ordnance Survey Plan	1:10,000	1988	13
Ordnance Survey Plan	1:10,000	1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2021	17

Historical Map - Slice C



Order Details

Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 389020, 410530
Slice: C
Site Area (Ha): 95.3
Search Buffer (m): 1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Fireproof Building
- Prominent Fireproof Building
- Non-fireproof Building
- Non-fireproof Building (non-dwelling)
- Factory, mill, and flour mill, with chimneys
- Factory, mill, and flour mill, without chimneys
- Power Station, drawn to scale
- Hydroelectric Power Station
- Radio Station, drawn to scale
- Telephone Station, drawn to scale
- Abandoned Open-pit Mine or Quarry
- Open-pit Salt Mine
- Pit
- Oil Deposit or Well
- Oil Seepage
- Tailings Pile
- Fuel Storage Tanks
- Natural Gas Tank
- Bench Mark
- Drill Hole
- Burial Mound
- Triangulation Point on Burial Mound
- Single-track Railroad
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation

243,8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 Velocity of the current, width of river bed, depth of river

Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	ъ (–)
Д д (D)	Л л (L)	У у (U)	ы (Y)
Е е (E)	М м (M)	Ф ф (F)	ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Partly Demolished Buildings
- Demolished Buildings
- Built-Up Area with Fireproof Buildings Predominant
- Built-Up Area with Non-Fireproof Buildings Predominant
- Individual Fireproof Building
- Prominent Industrial Building
- Individual Dwelling, Fireproof
- Ruins of an Individual Dwelling
- Factory or Mill Chimney
- Factory or Mill with Chimney
- Factory or Mill without Chimney
- Mine or Open Pit Mine
- Operating Shaft or Mine
- Non-Operating Shaft or Mine
- Salt Mine
- Tailings Pile
- Pit
- Stone Quarry
- Gas Pump or Service Station
- Fuel Storage or Natural Gas Tank
- Oil or Natural Gas Derrick
- Small Hydroelectric Power Station
- Power Station
- Transformer Station
- Cemetery
- Burial Mound (height in metres)
- Triangulation Point on Burial Mound
- Triangulation Point
- Bench Mark
- Bench Mark (monumented)
- Telegraph Office
- Telephone Station
- Radio Station
- Radio Tower
- Airfield or Seaplane Base
- Landing Strip
- Main Highway
- Highway under Construction
- Improved Dirt Road (former truck road)
- Double-track Railroad with First Class Station
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment
- Direction and velocity of current
- Well
- Water Reservoir or Rain Water Pit
- Spring
- Isobath with value
- Heavy (Index) Contour Line
- Contour Line and Value
- Half Contour Line
- Spot Elevation Value
- Coniferous
- Deciduous
- Mixed
- Scrub

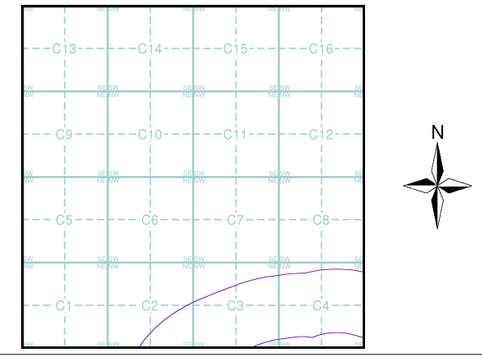
Key to Numbers on Mapping

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
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Ordnance Survey Plan	1:10,000	1977	12
Ordnance Survey Plan	1:10,000	1988	13
Ordnance Survey Plan	1:10,000	1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2021	17

Russian Map - Slice C



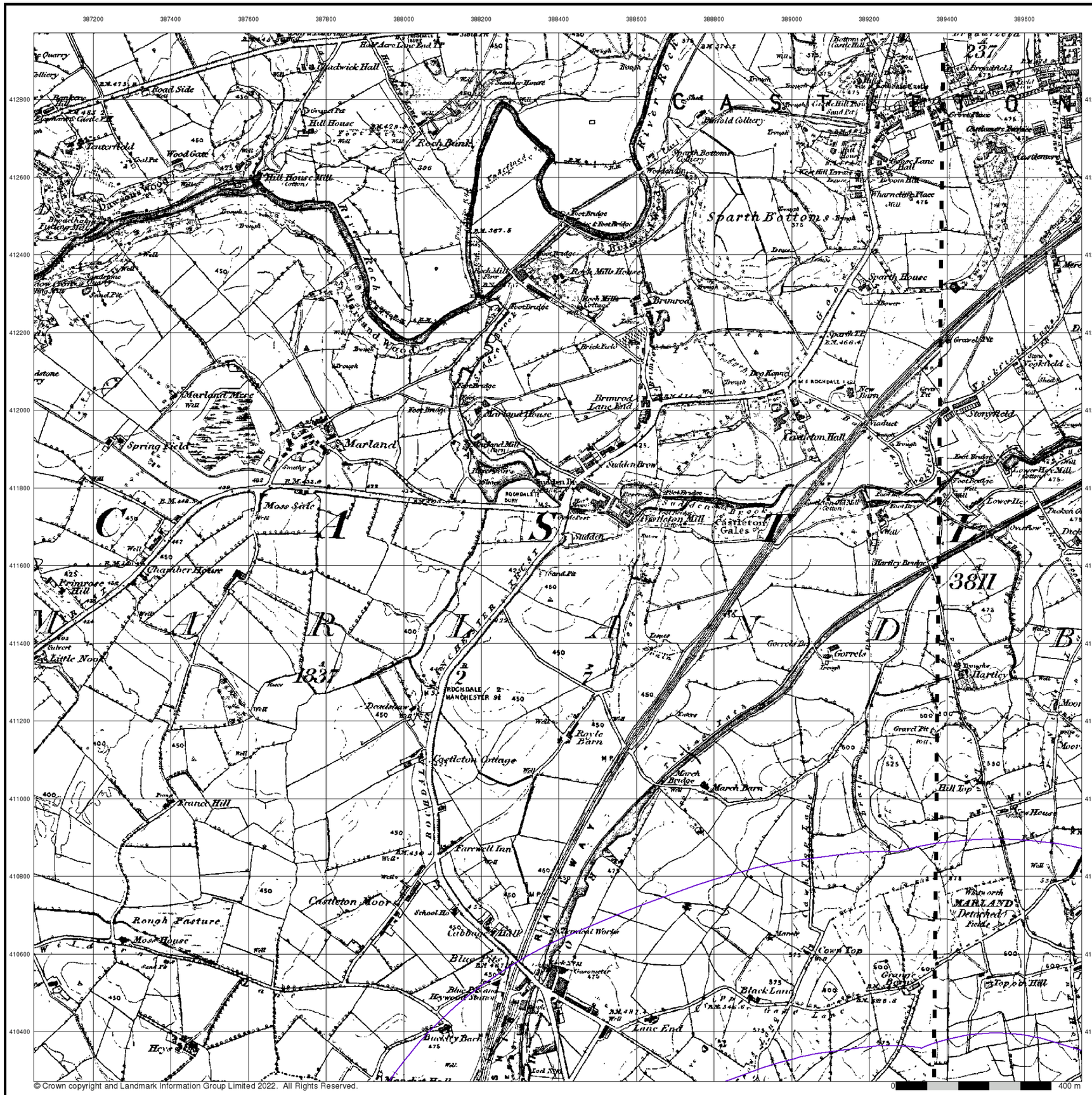
Order Details

Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 389020, 410530
Slice: C
Site Area (Ha): 95.3
Search Buffer (m): 1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



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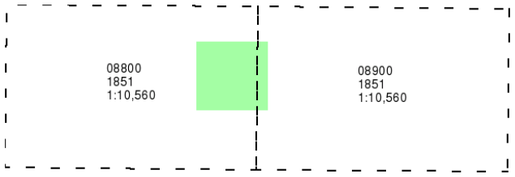
Lancashire And Furness

Published 1851

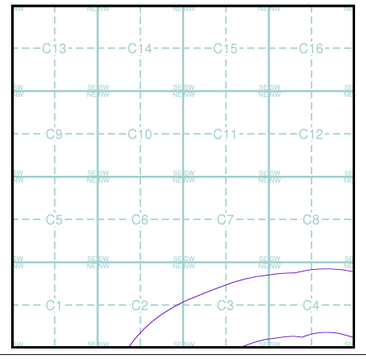
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice C



Order Details

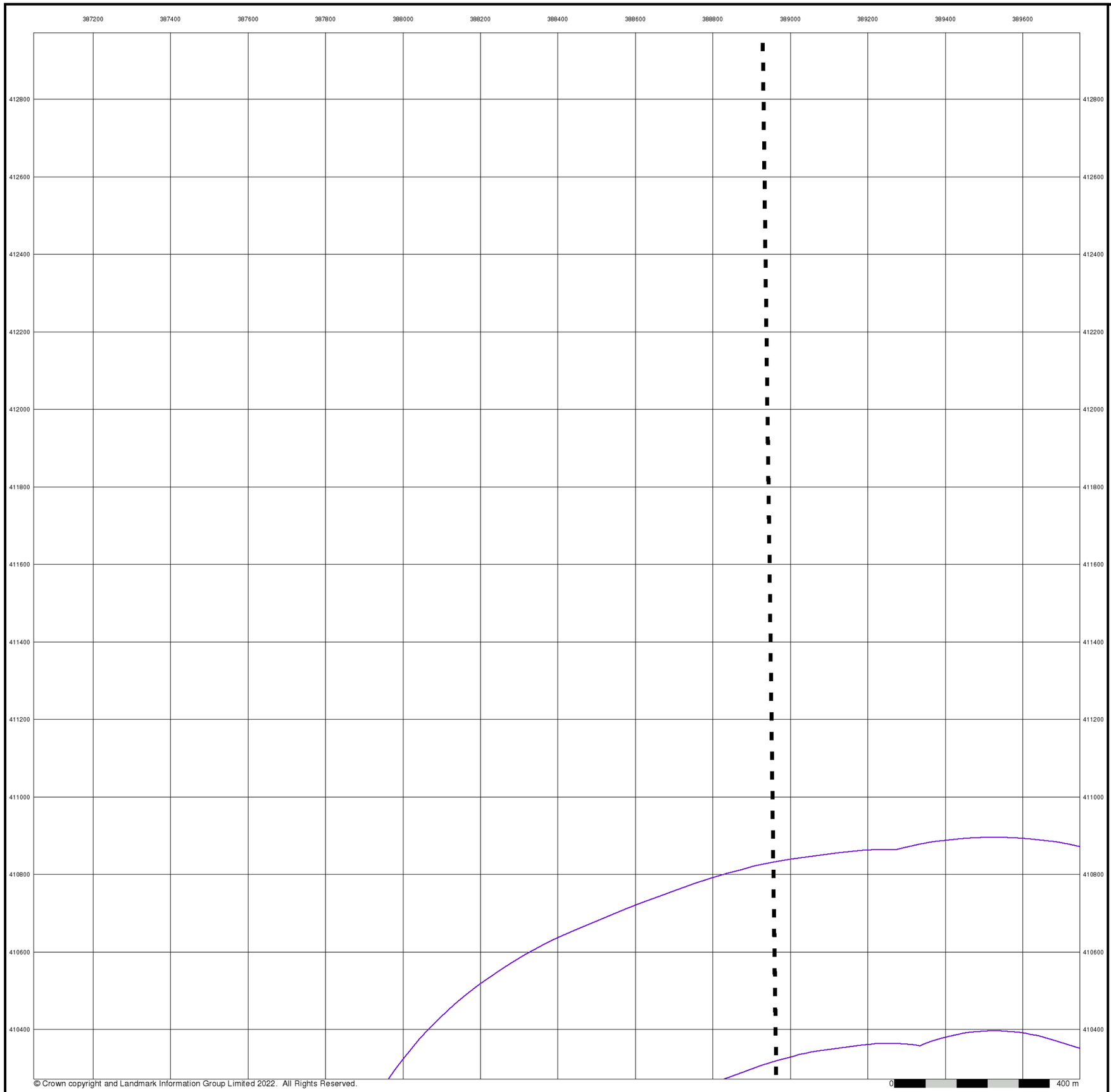
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	389020, 410530
Slice:	C
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

Landmark INFORMATION GROUP

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



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RSK

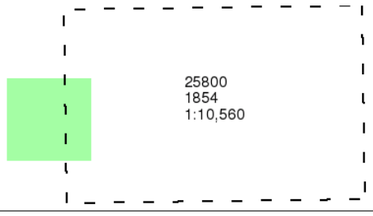
Yorkshire

Published 1854

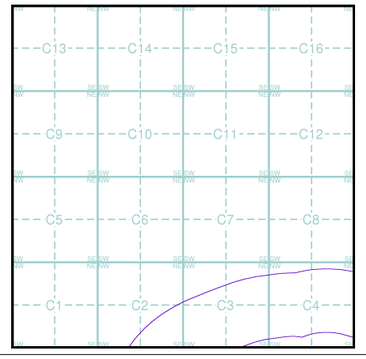
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice C



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	389020, 410530
Slice:	C
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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RSK

Lancashire And Furness

Published 1894

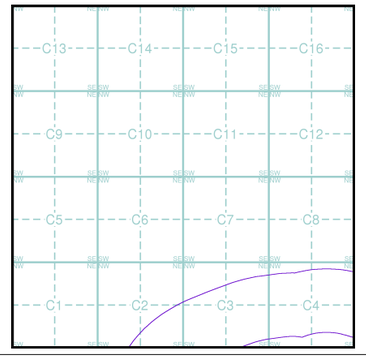
Source map scale - 1:10,560

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Map Name(s) and Date(s)

088NE 1894 1:10,560	089NW 1894 1:10,560
088SE 1894 1:10,560	089SW 1894 1:10,560

Historical Map - Slice C



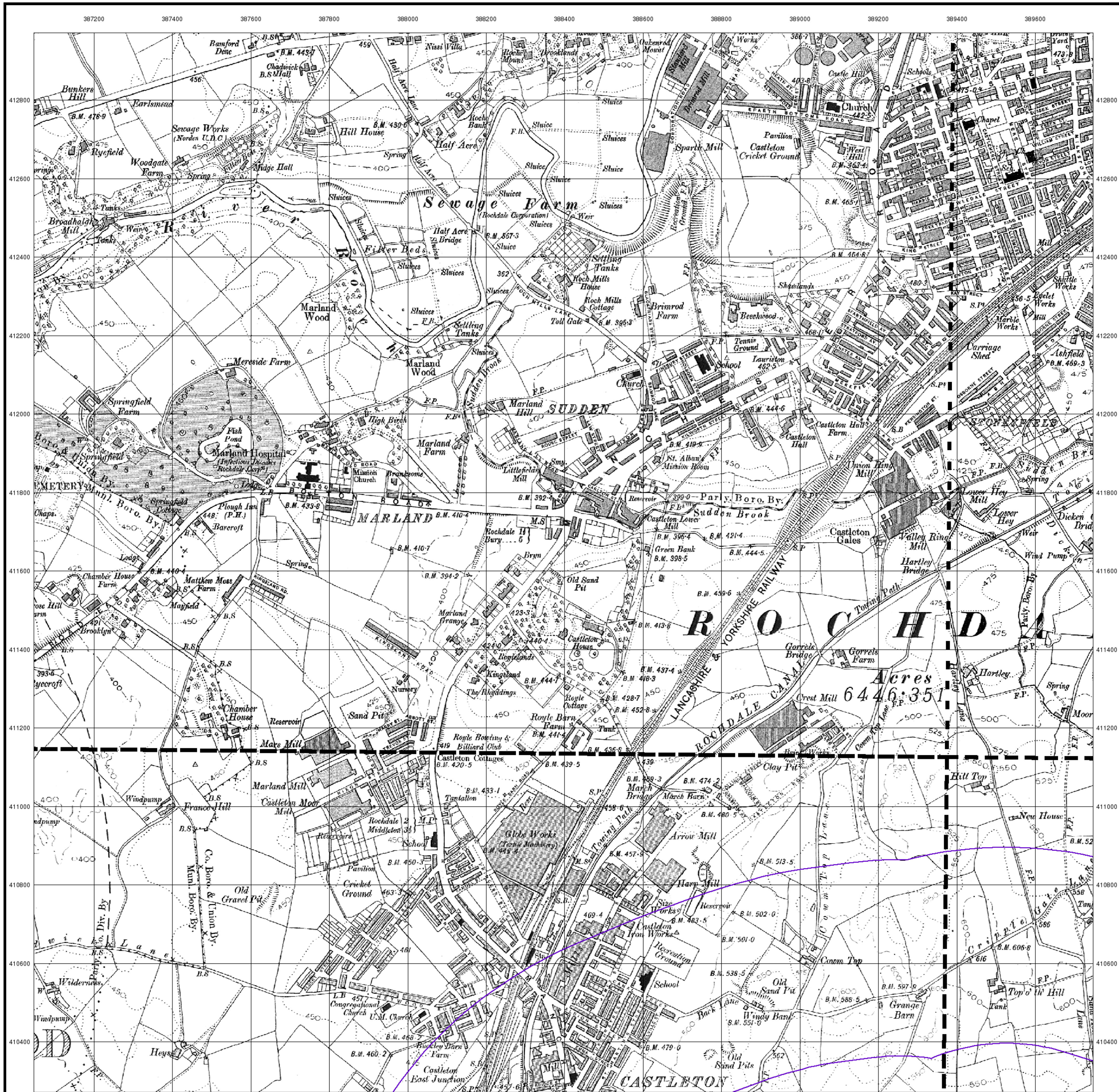
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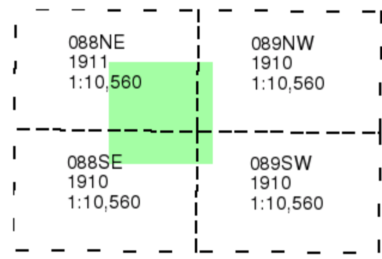
Lancashire And Furness

Published 1910 - 1911

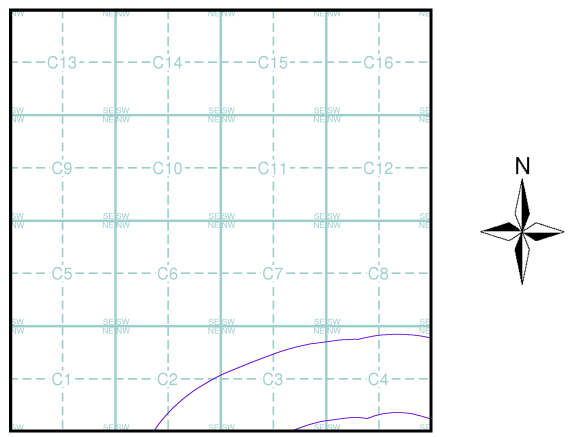
Source map scale - 1:10,560

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Historical Map - Slice C



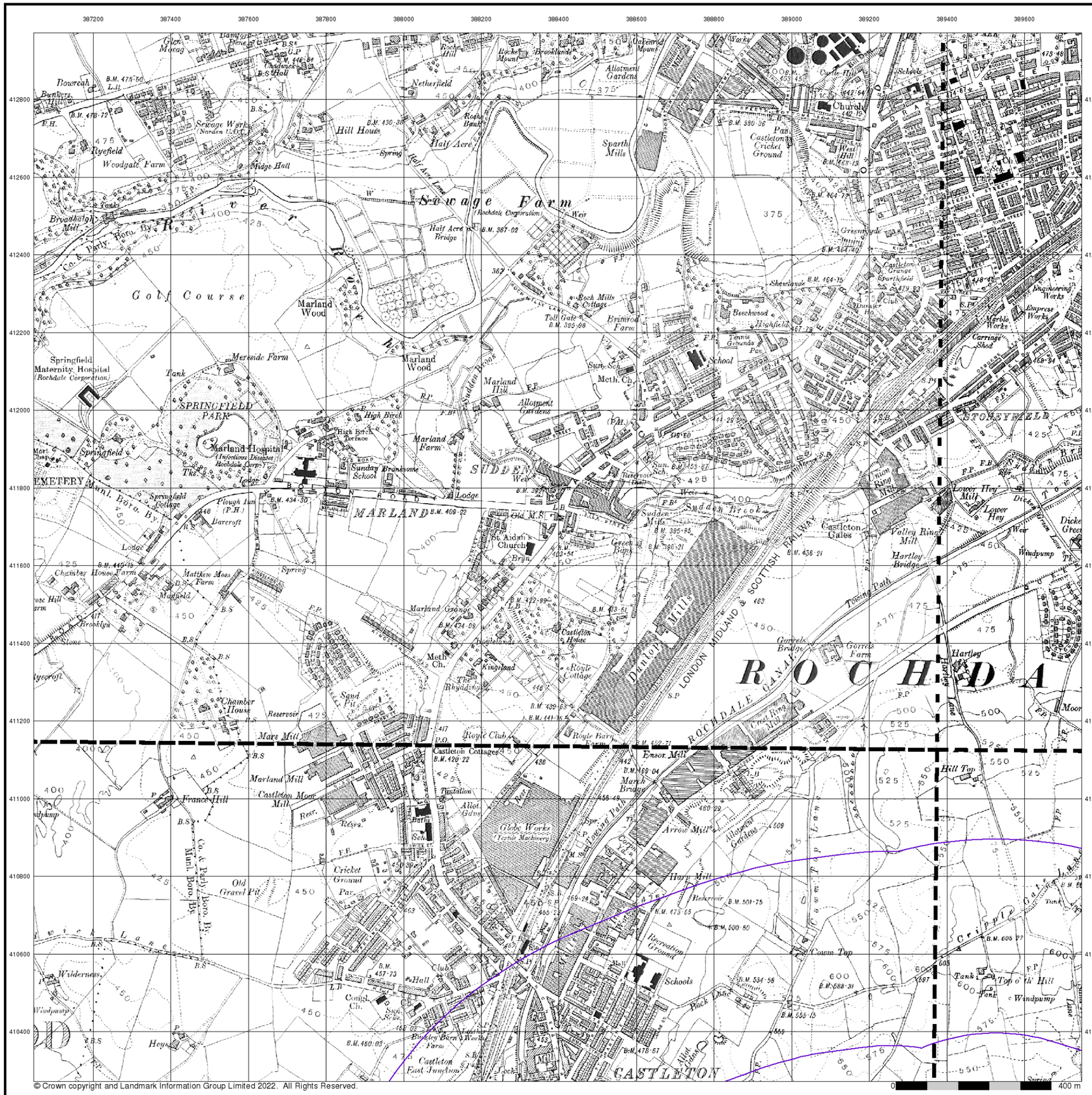
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Lancashire And Furness

Published 1931 - 1932

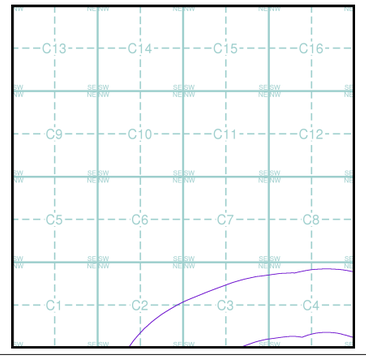
Source map scale - 1:10,560

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Map Name(s) and Date(s)

088NE 1932 1:10,560	089NW 1931 1:10,560
088SE 1932 1:10,560	089SW 1931 1:10,560

Historical Map - Slice C



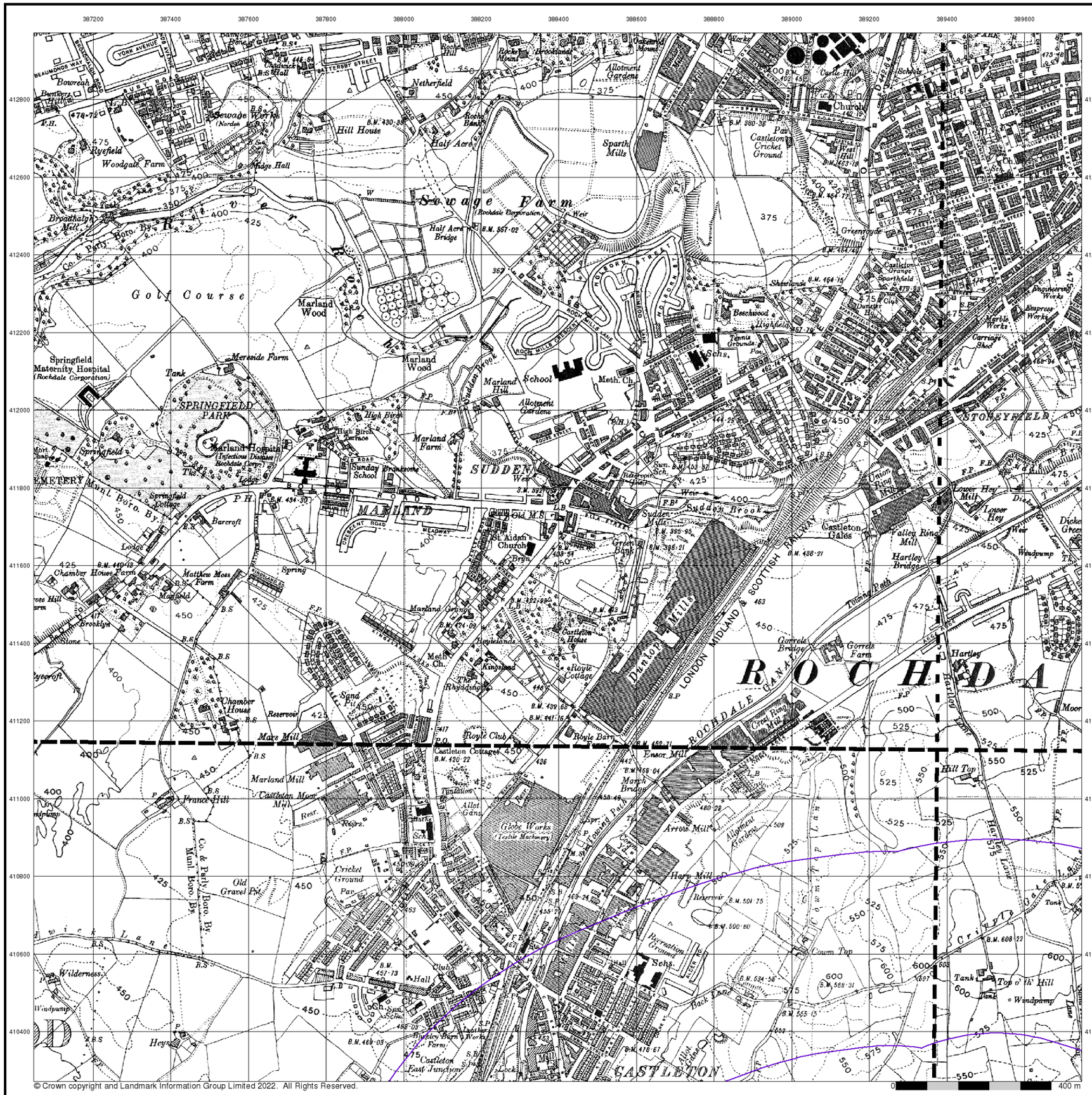
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Lancashire And Furness

Published 1938

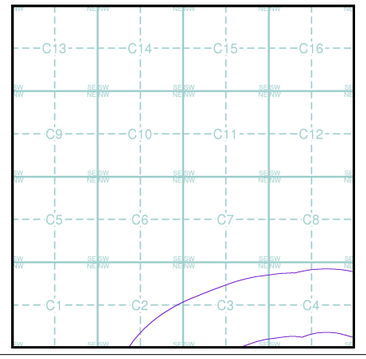
Source map scale - 1:10,560

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Map Name(s) and Date(s)

088NE 1938 1:10,560	089NW 1938 1:10,560
088SE 1938 1:10,560	089SW 1938 1:10,560

Historical Map - Slice C



Order Details

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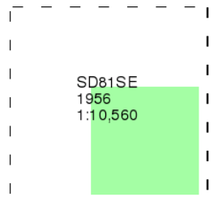
Ordnance Survey Plan

Published 1956

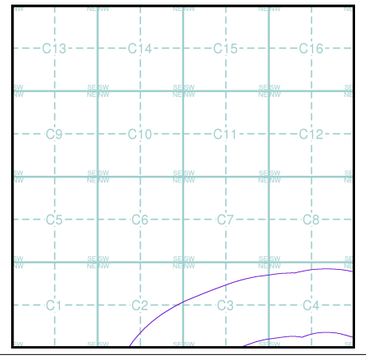
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice C



Order Details

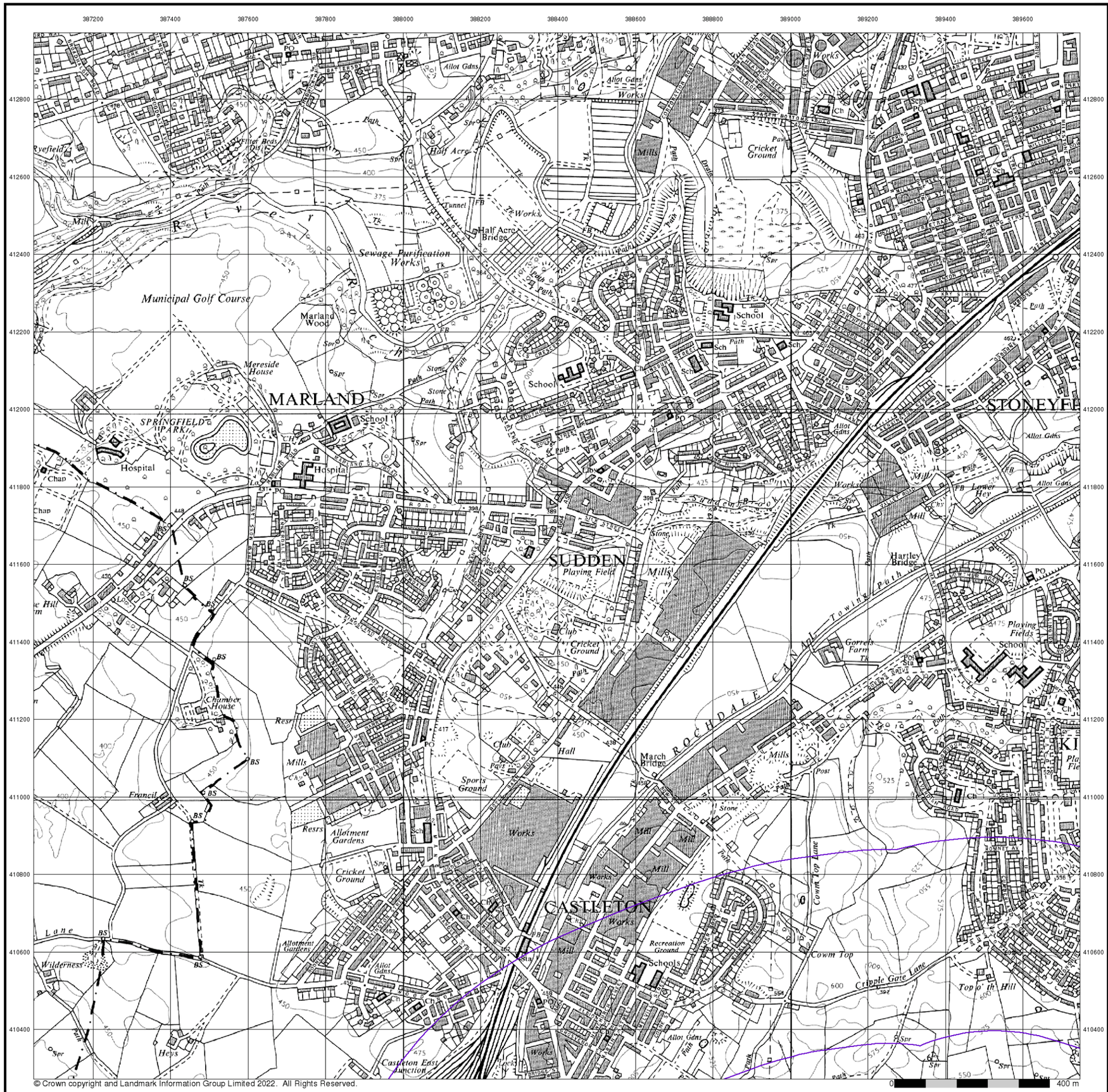
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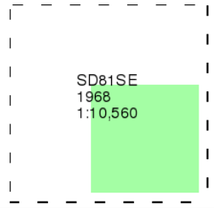
Ordnance Survey Plan

Published 1968

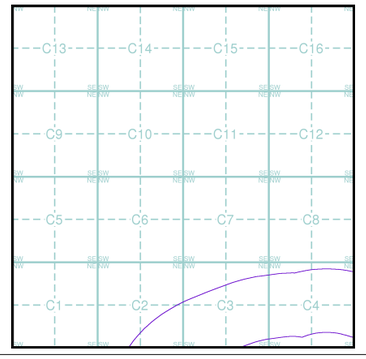
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice C



Order Details

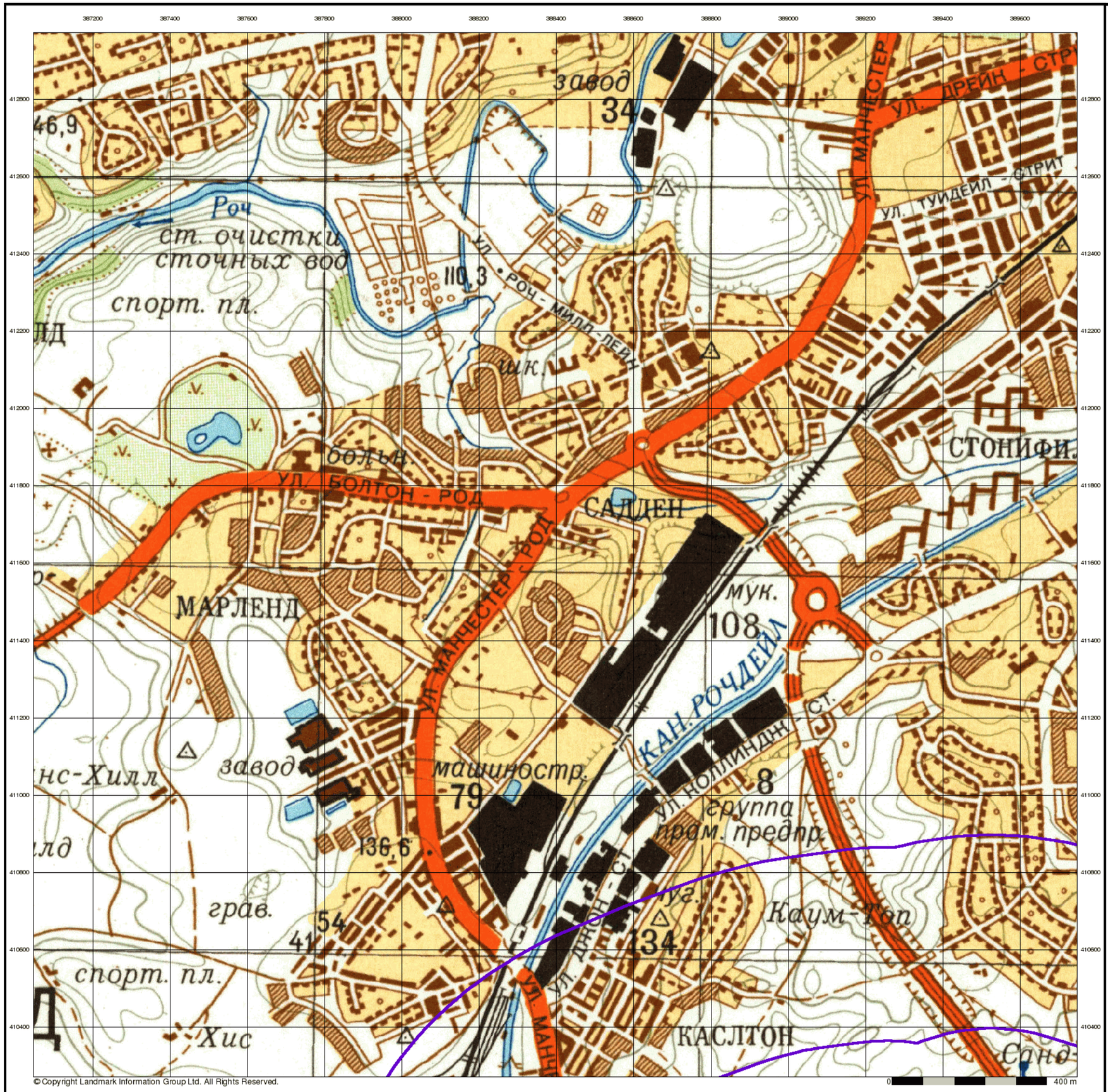
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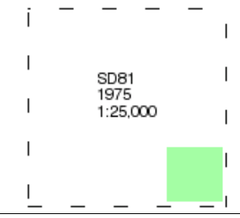
Manchester

Published 1975

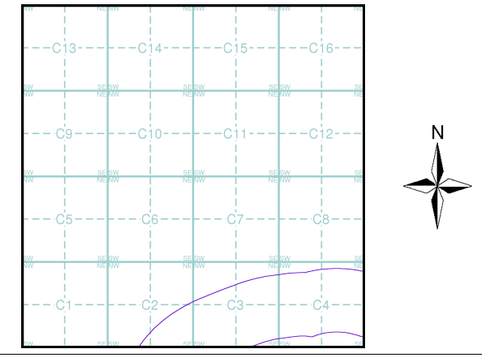
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice C



Order Details

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Customer Ref:	322974
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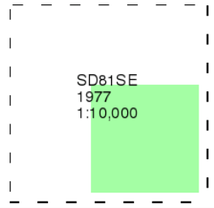
Ordnance Survey Plan

Published 1977

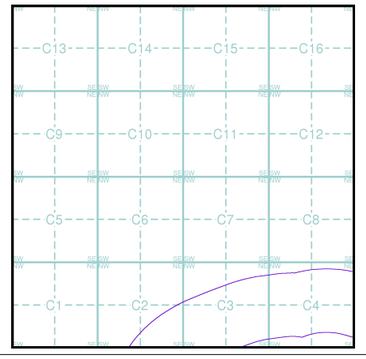
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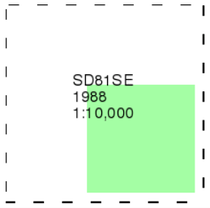
Ordnance Survey Plan

Published 1988

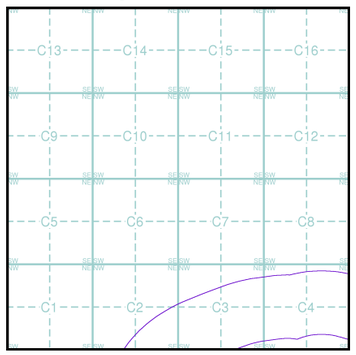
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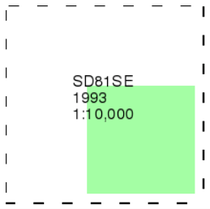
Ordnance Survey Plan

Published 1993

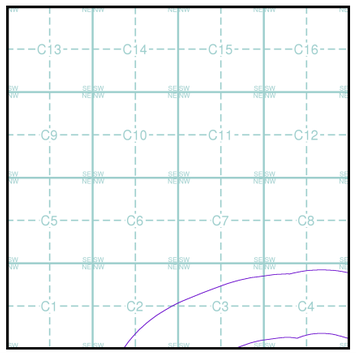
Source map scale - 1:10,000

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Historical Map - Slice C



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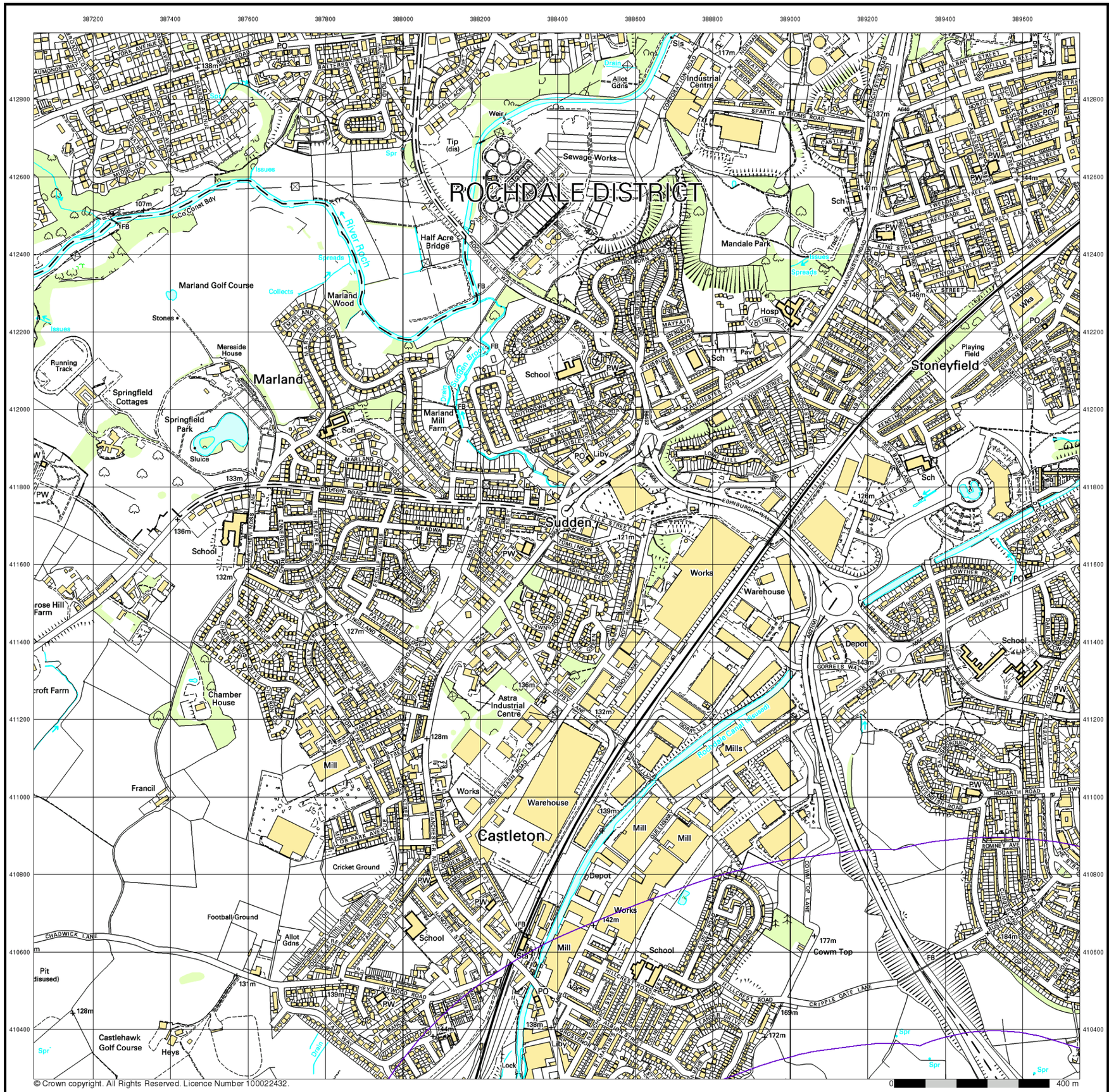
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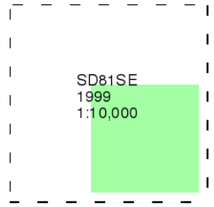
10k Raster Mapping

Published 1999

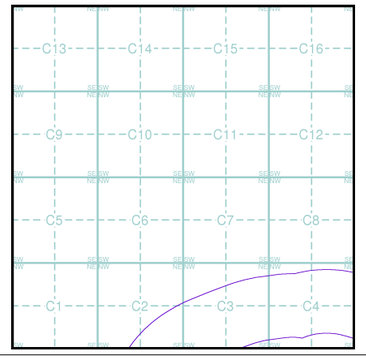
Source map scale - 1:10,000

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 C



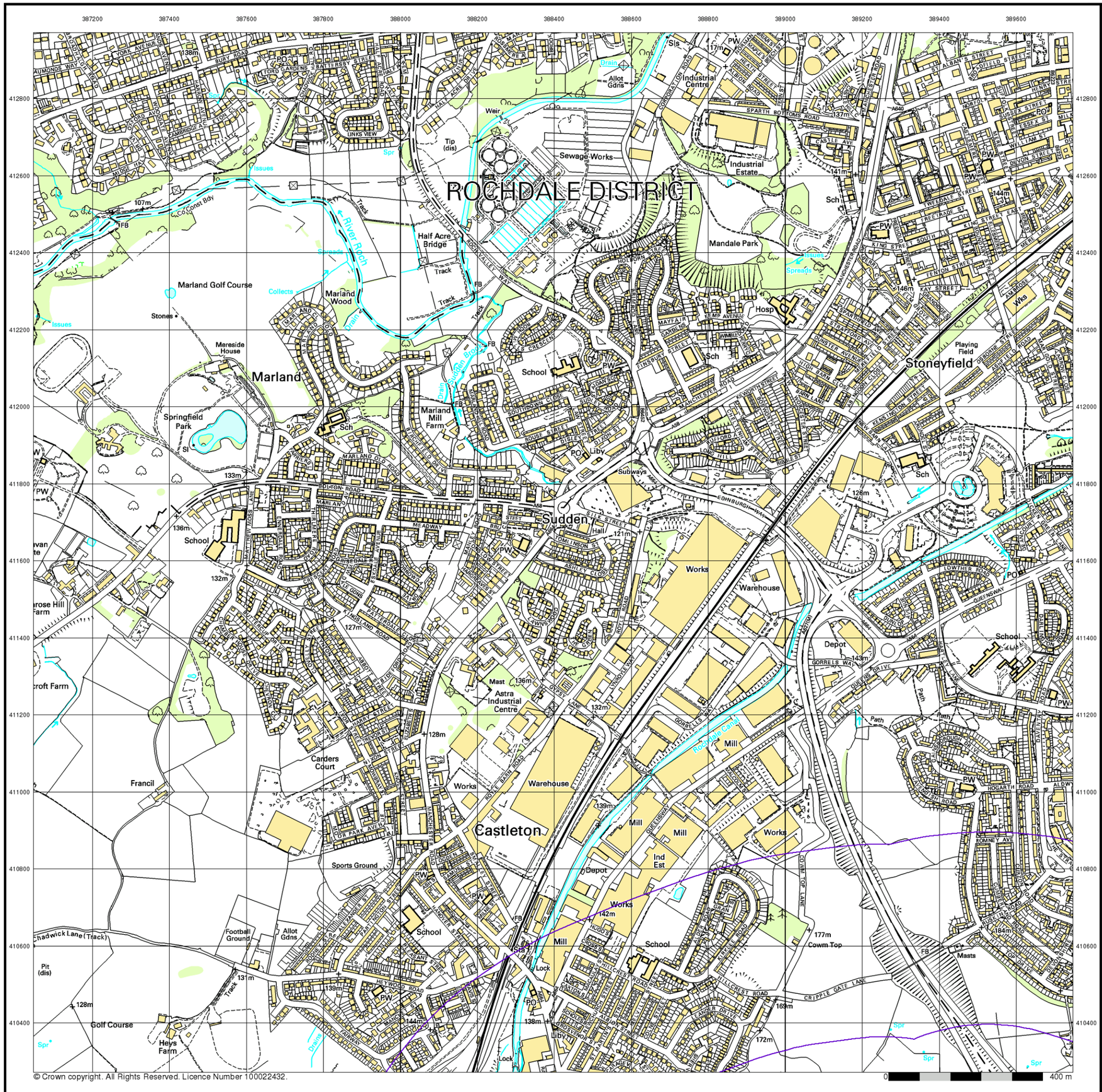
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	389020, 410530
Slice:	C
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



RSK

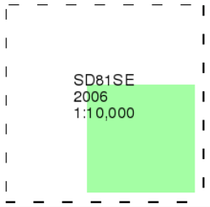
10k Raster Mapping

Published 2006

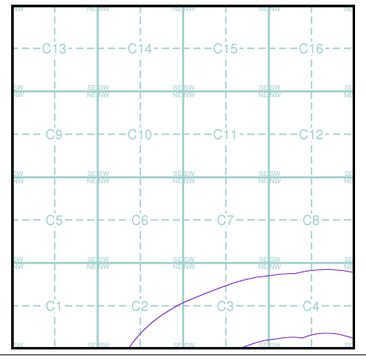
Source map scale - 1:10,000

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)



Historical Map - Slice C



Order Details

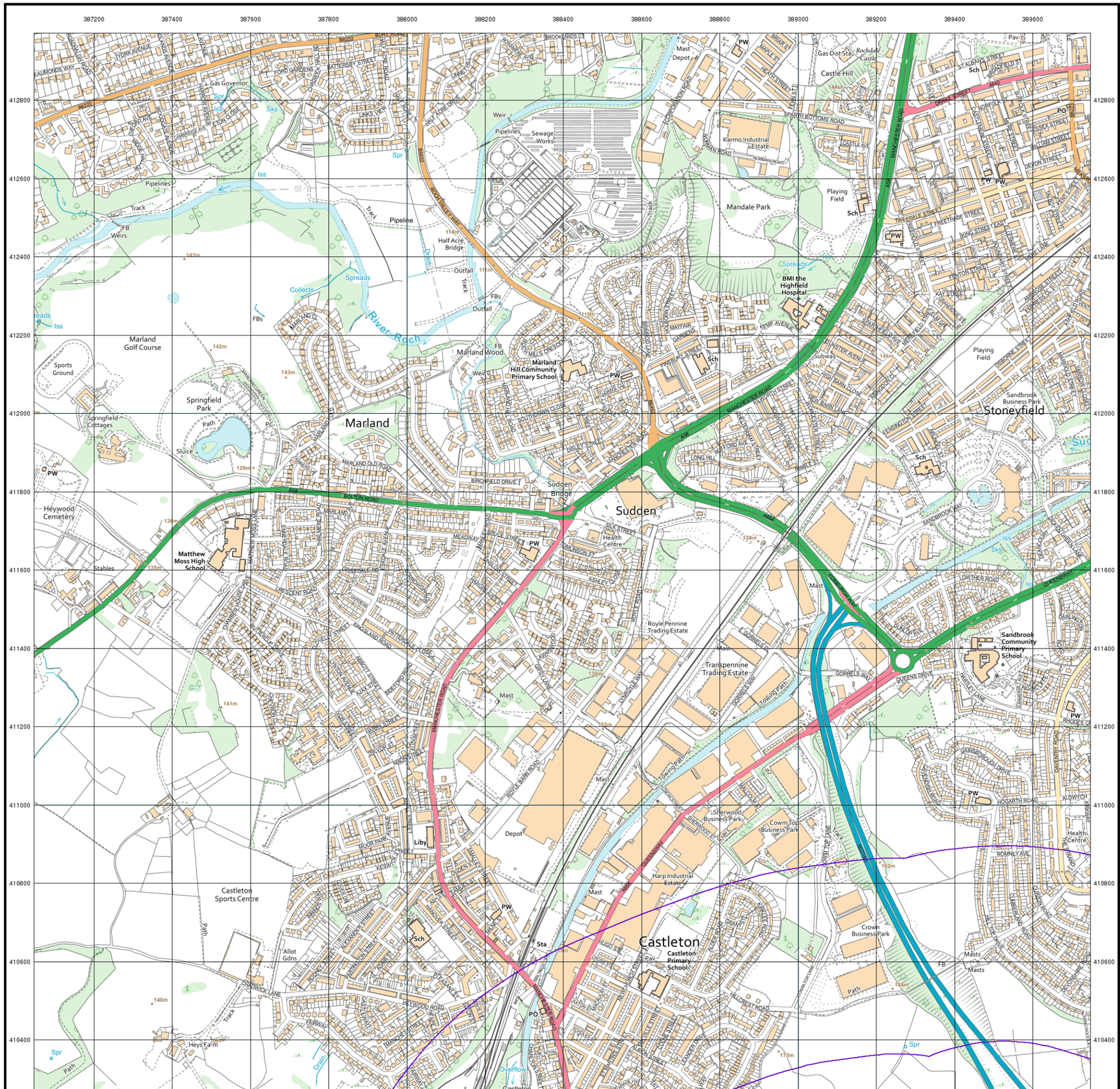
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0 400 m

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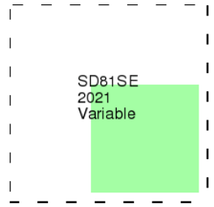
VectorMap Local

Published 2021

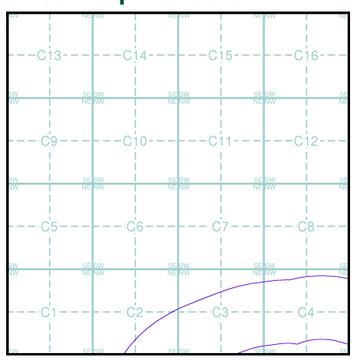
Source map scale - 1:10,000

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 C



Order Details

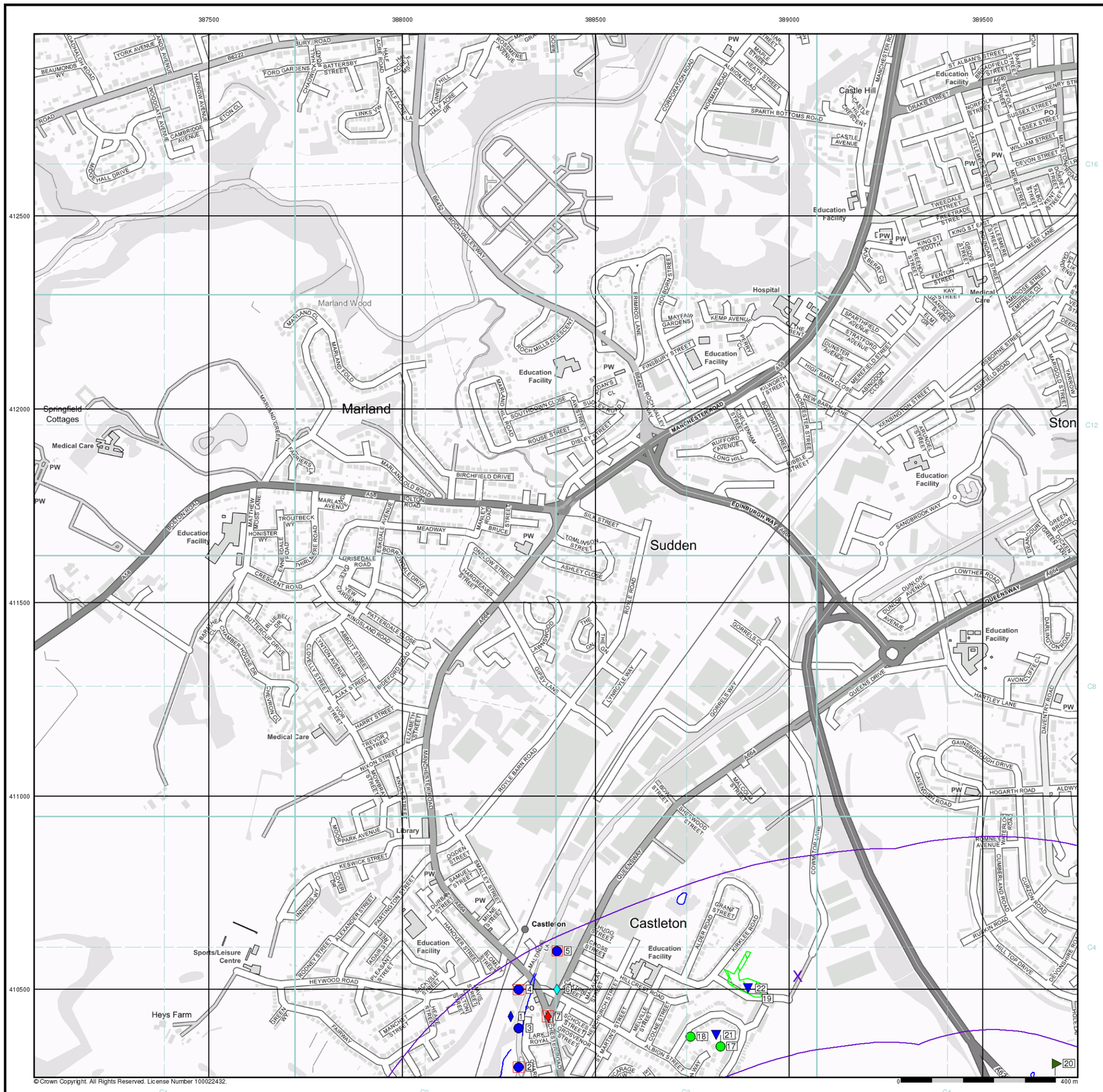
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Customer Ref:	322974
National Grid Reference:	389020, 410530
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General

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

Agency and Hydrological

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

Hazardous Substances

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

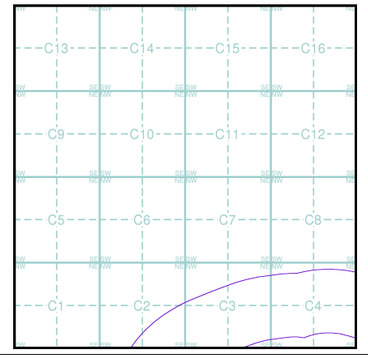
Geological

- 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 - Slice C



Order Details

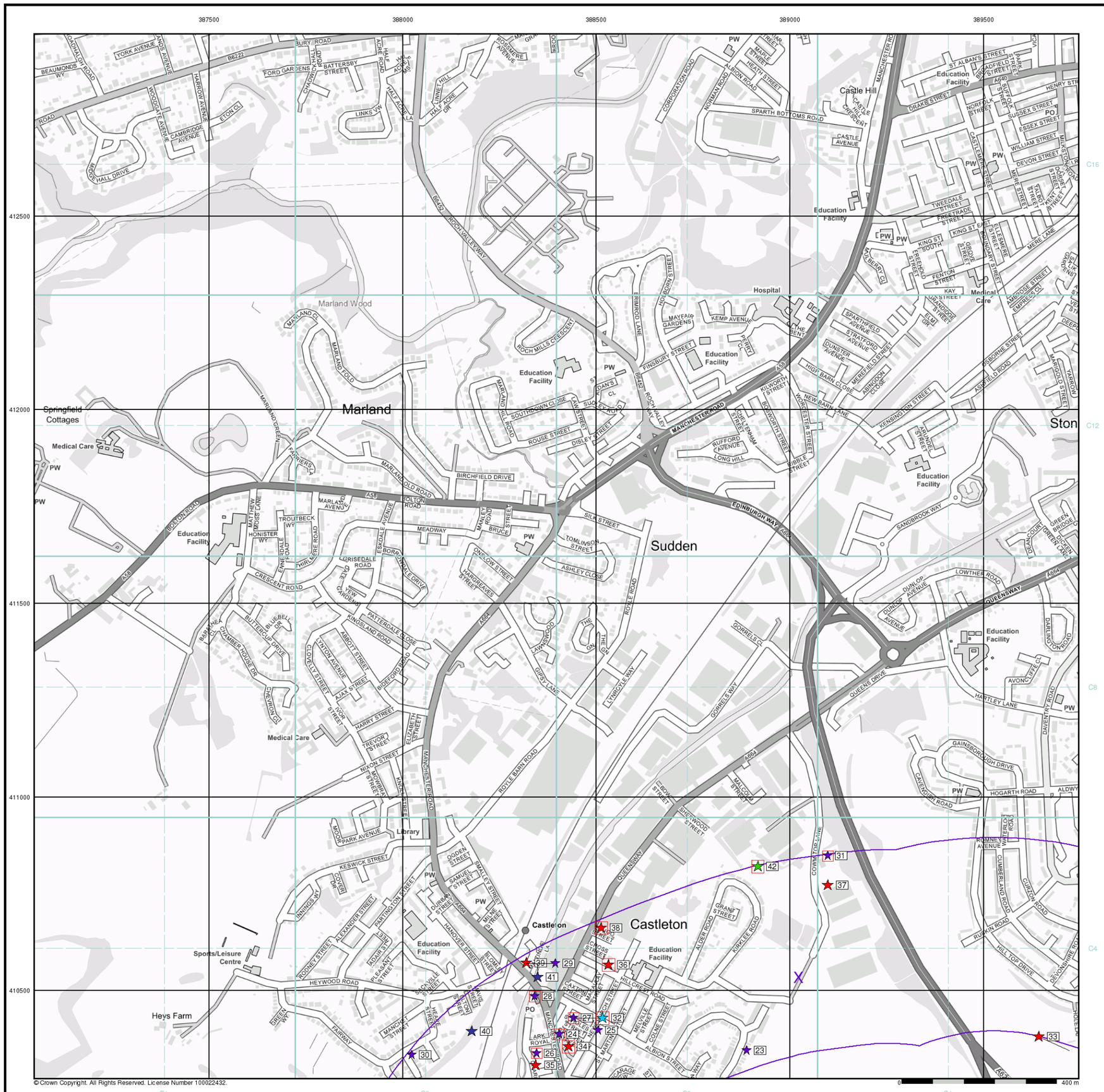
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Customer Ref:	322974
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Industrial Land Use Map

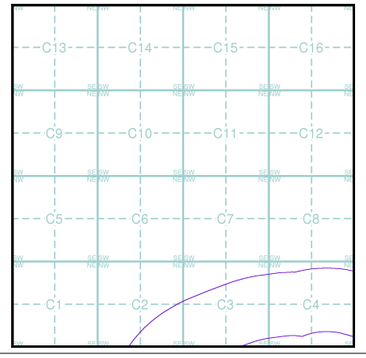
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- 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



Order Details

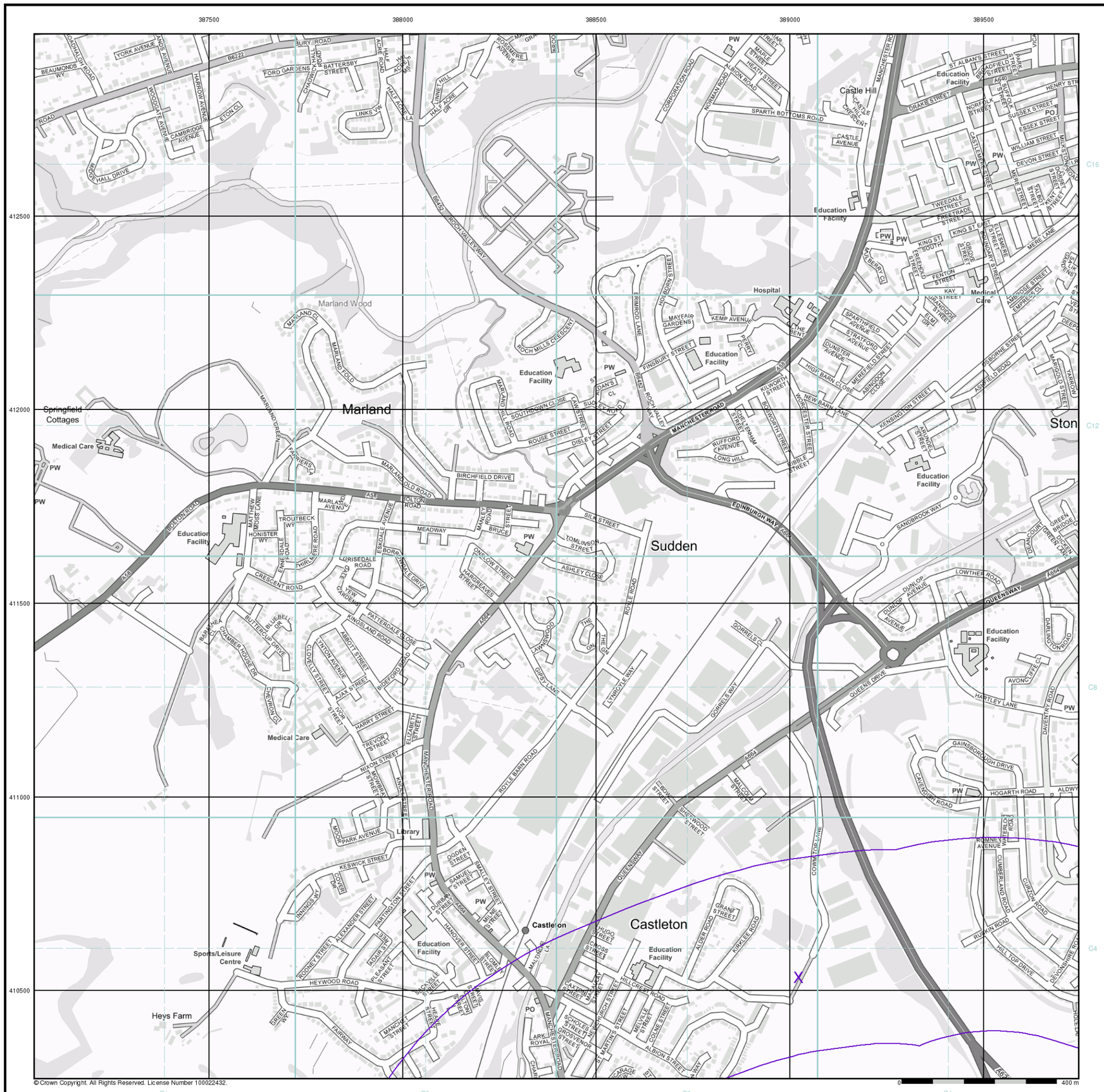
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National Grid Reference:	389020, 410530
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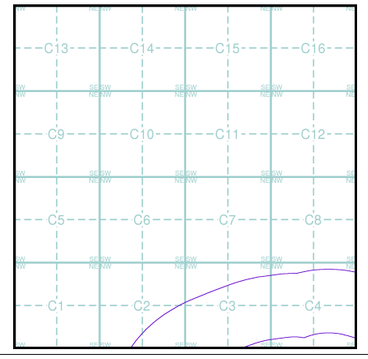
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice C



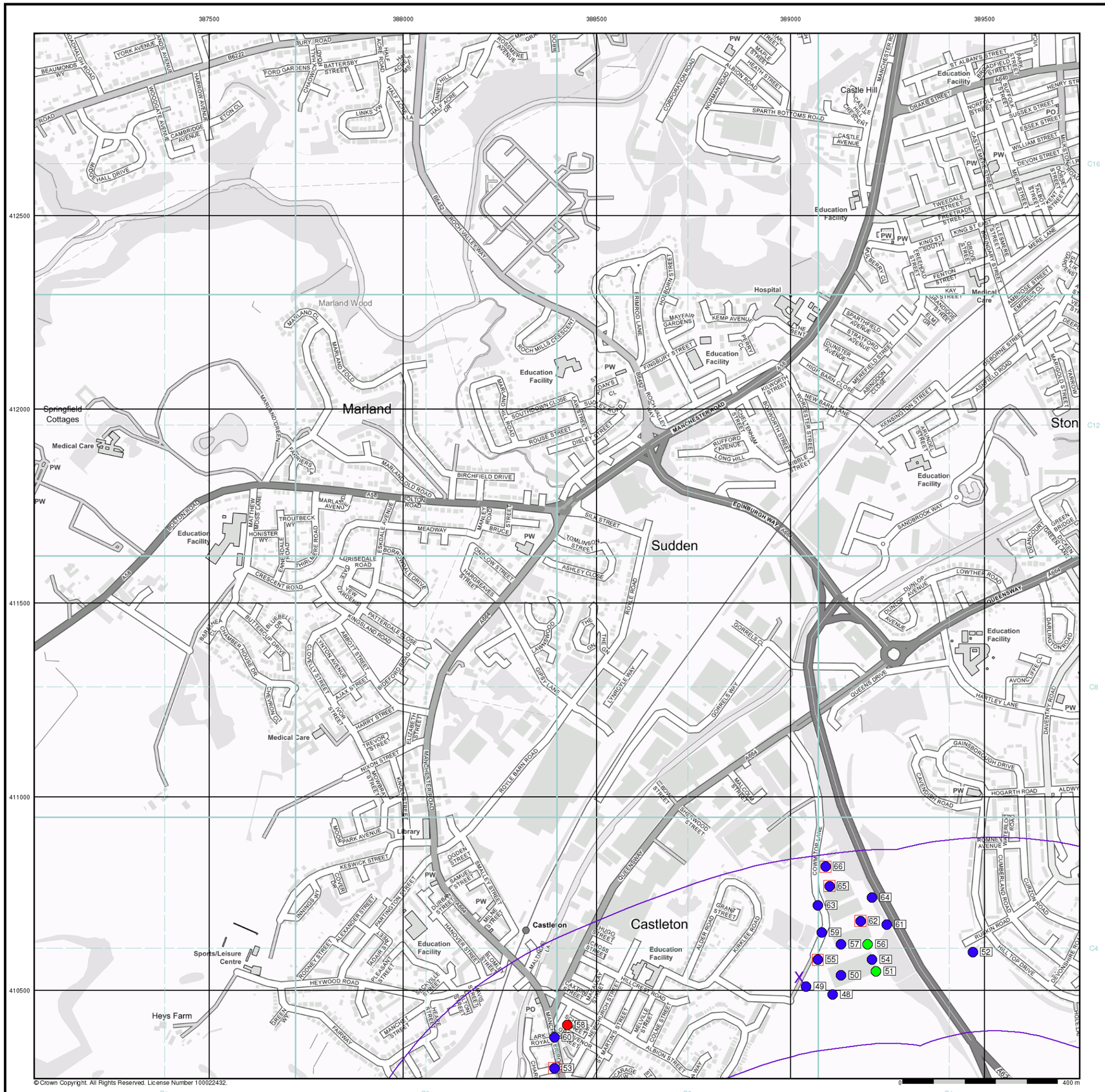
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	389020, 410530
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General

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

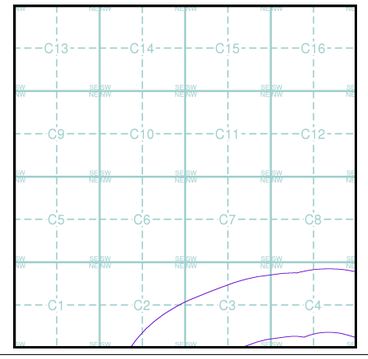
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice C



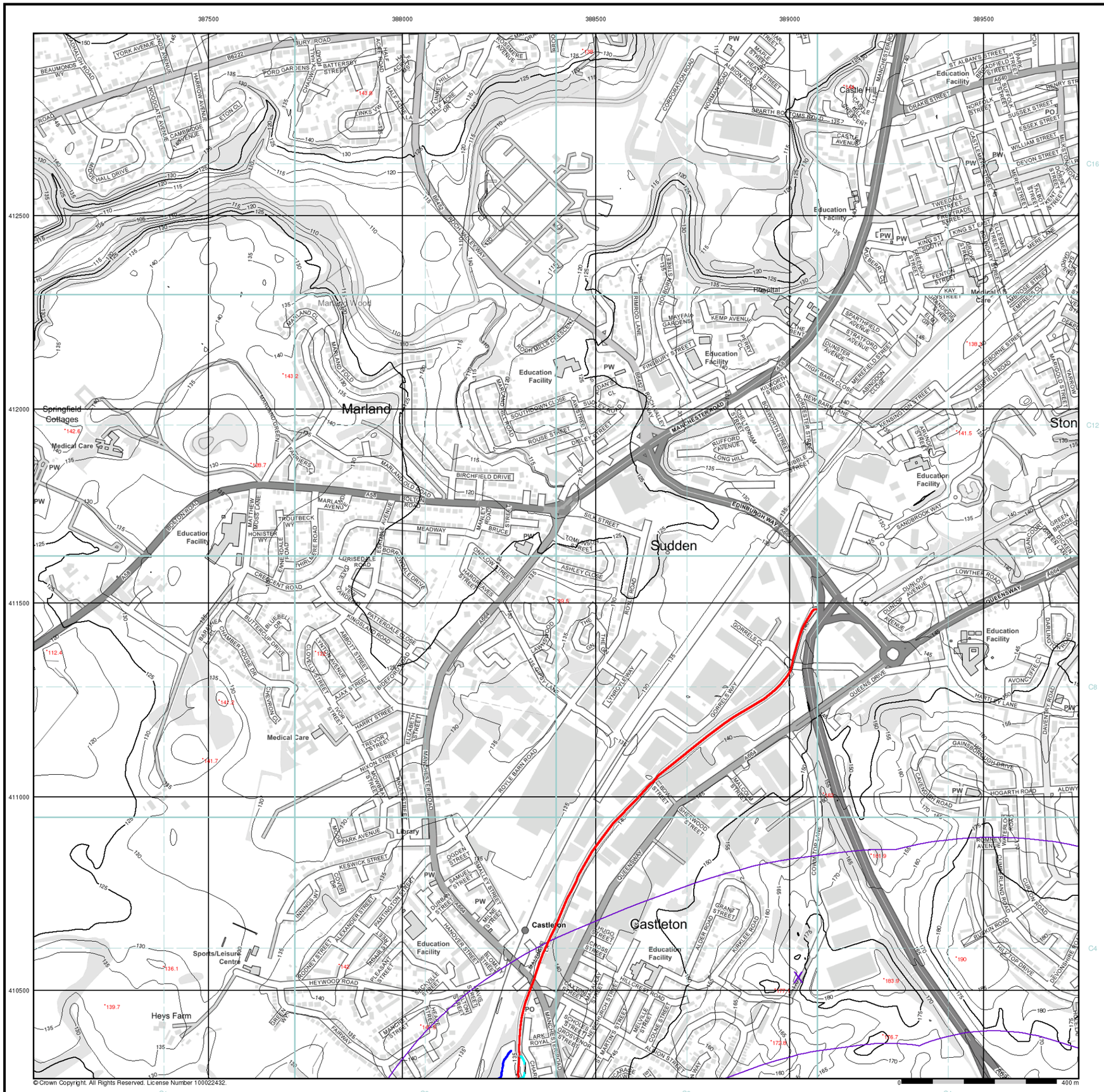
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	389020, 410530
Slice:	C
Site Area (Ha):	95.3
Search Buffer (m):	1000

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RSK

General

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

OS Water Network Data

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

Contours (height in meters)

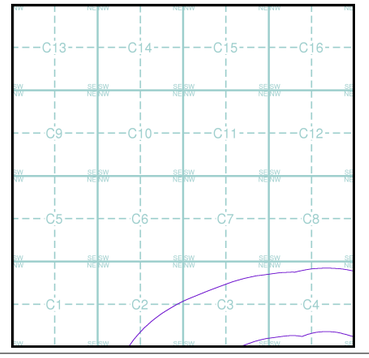
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice C



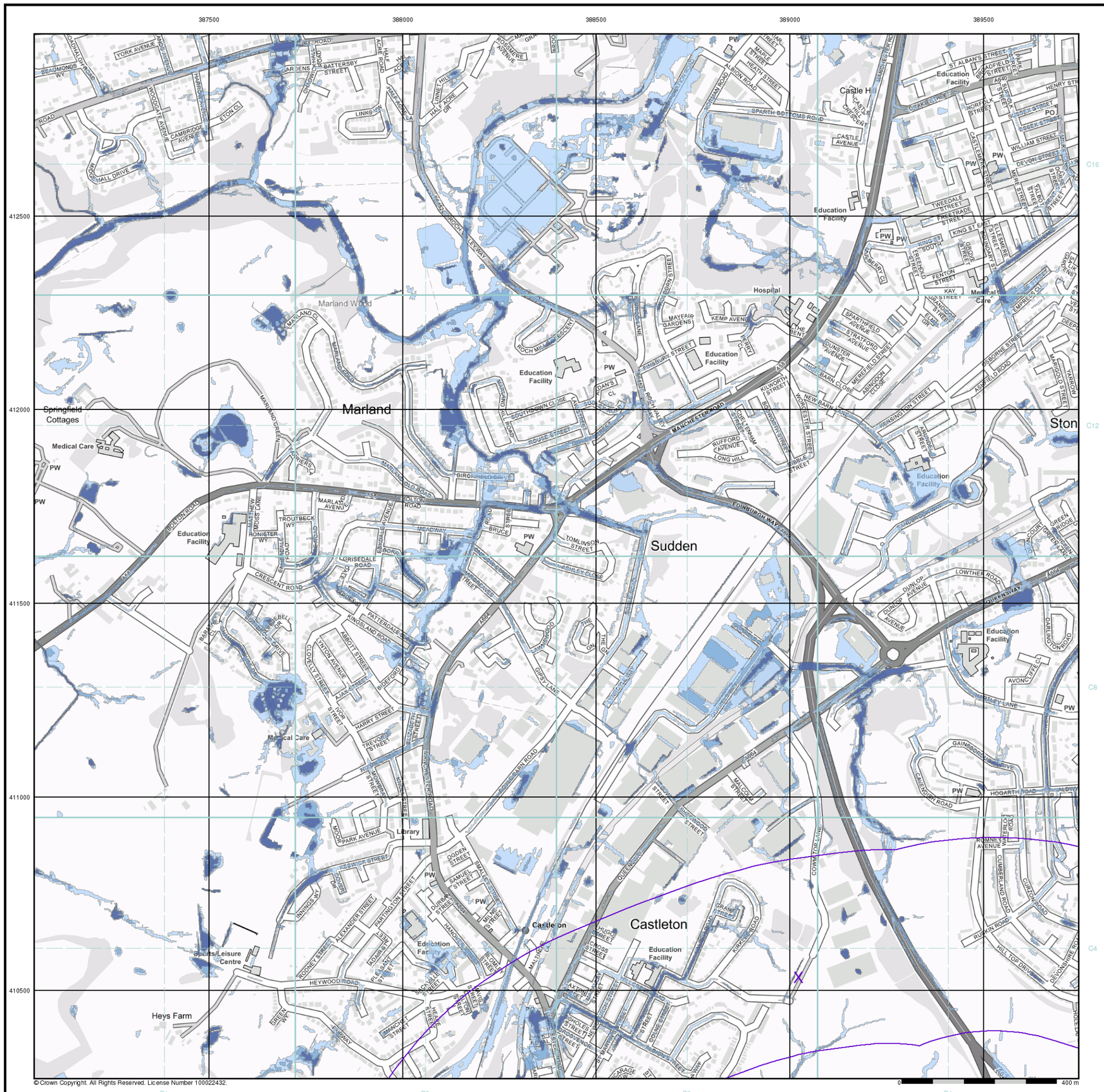
Order Details

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RSK

General

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

Risk of Flooding from Surface Water

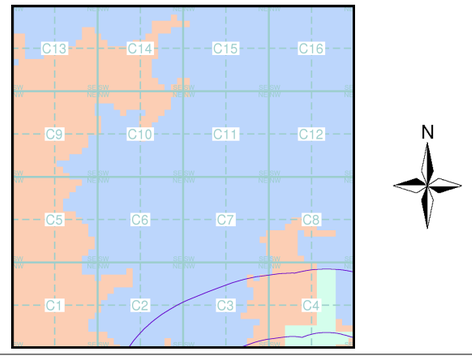
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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 C



Order Details

Order Number:	300522833_1_1
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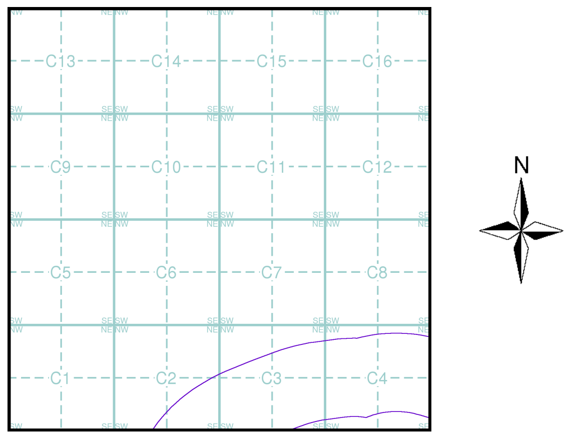
Specified Site   Specified Buffer(s)   X Bearing Reference Point

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



Order Details

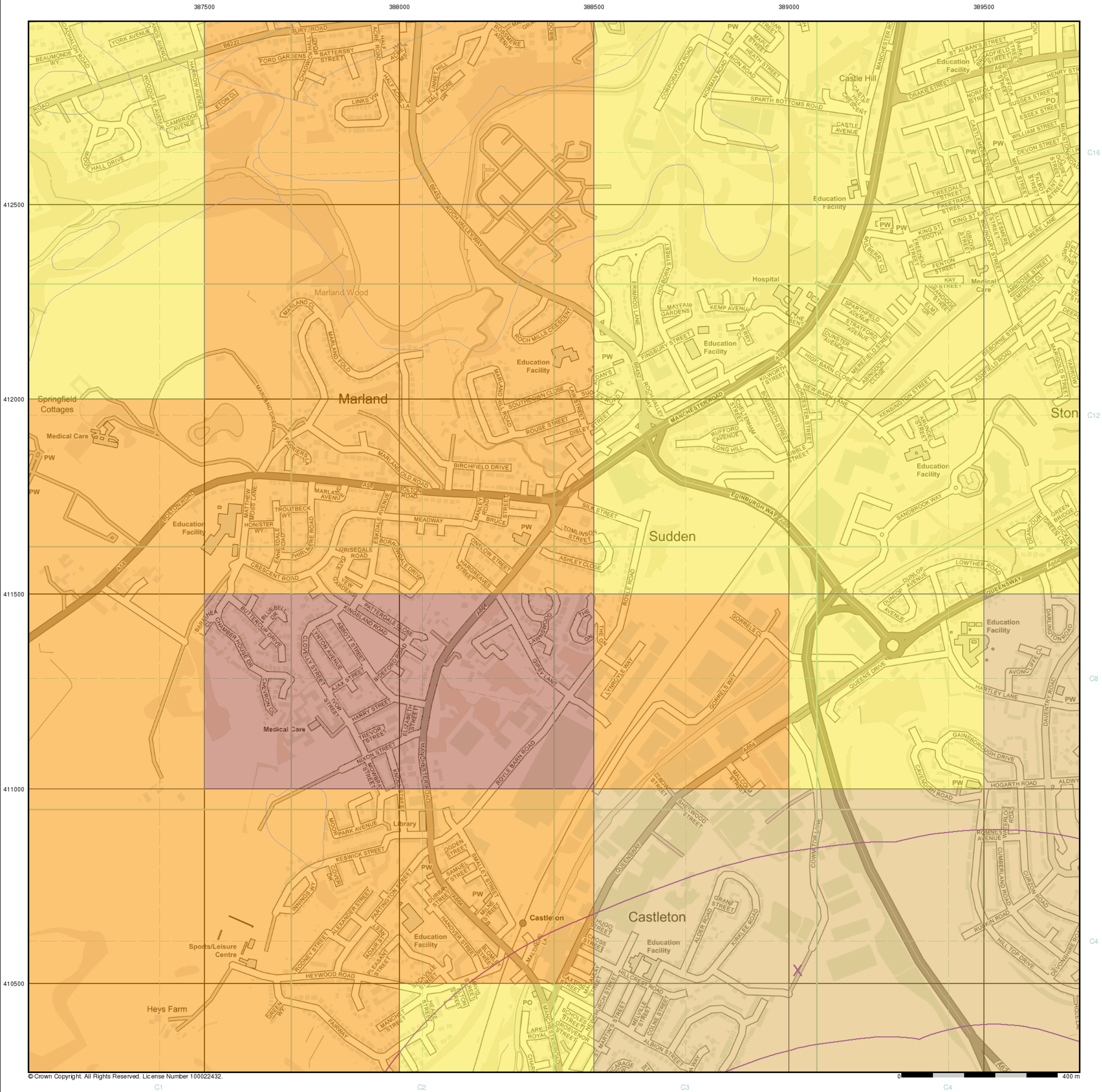
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Site Area (Ha): 95.3
Search Buffer (m): 1000

Site Details

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General

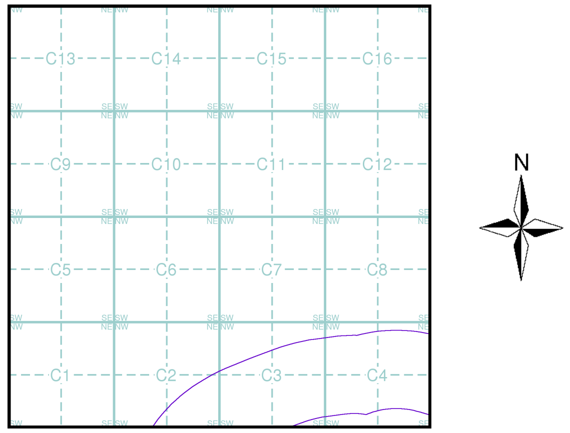
Specified Site
Specified Buffer(s)
X Bearing Reference Point

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



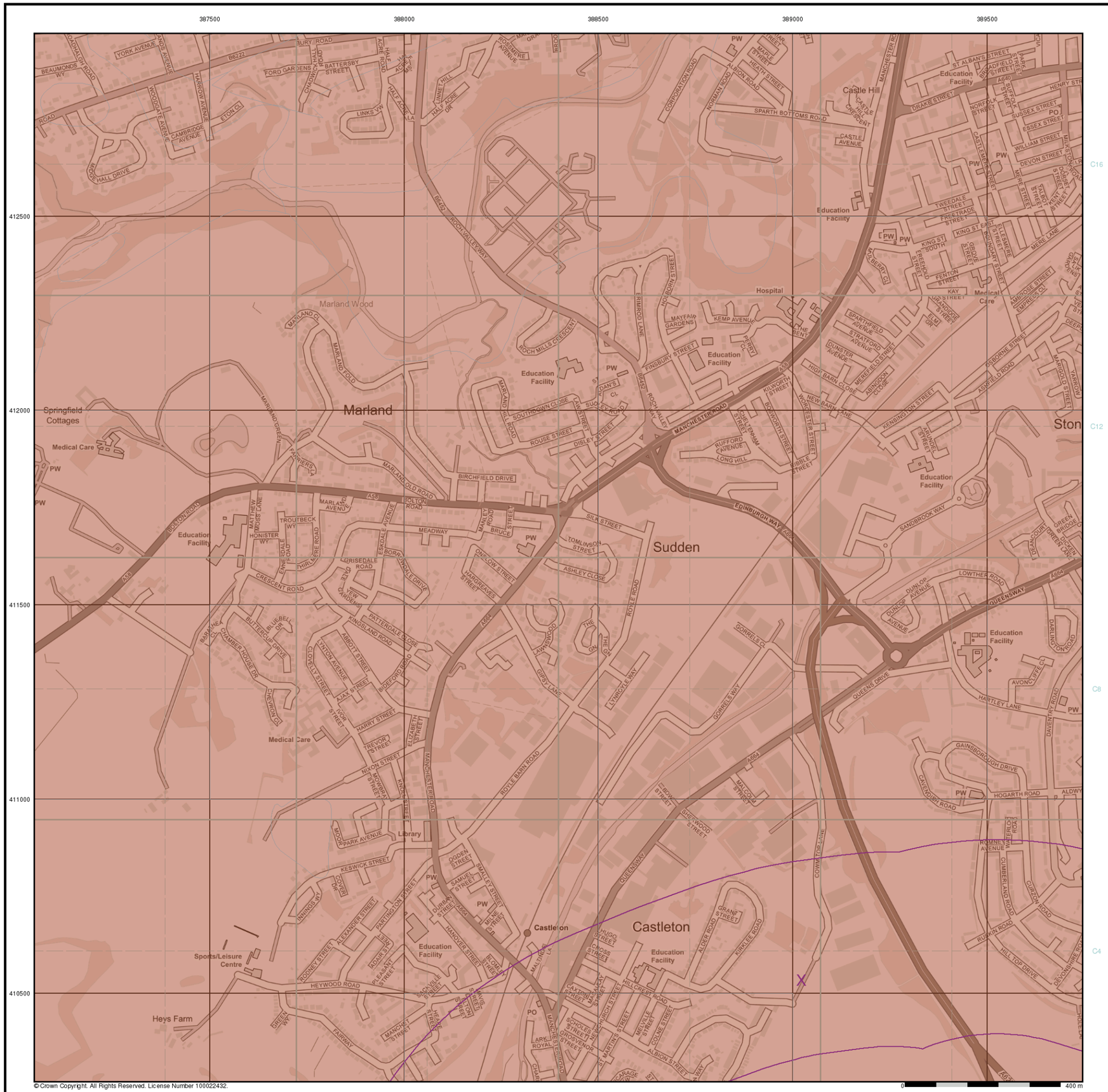
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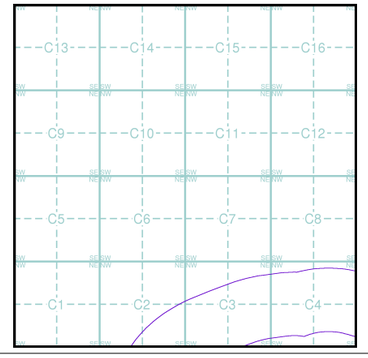
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



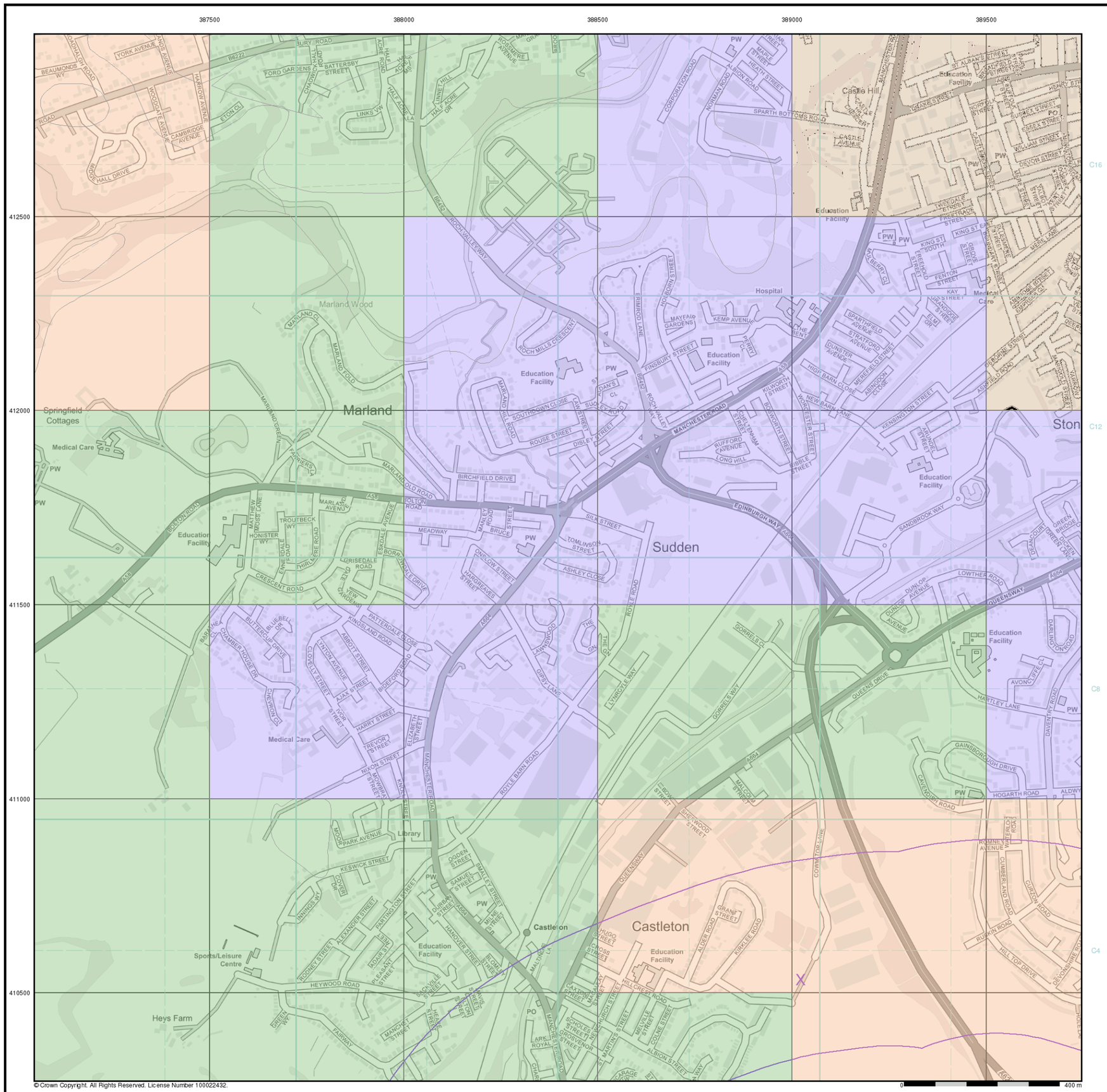
Order Details

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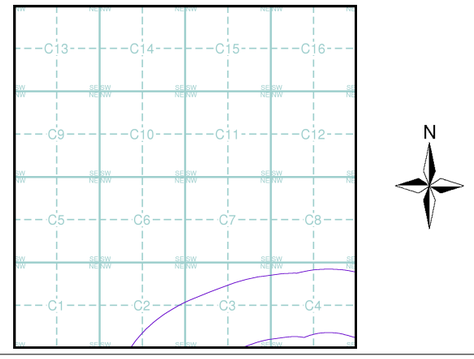
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



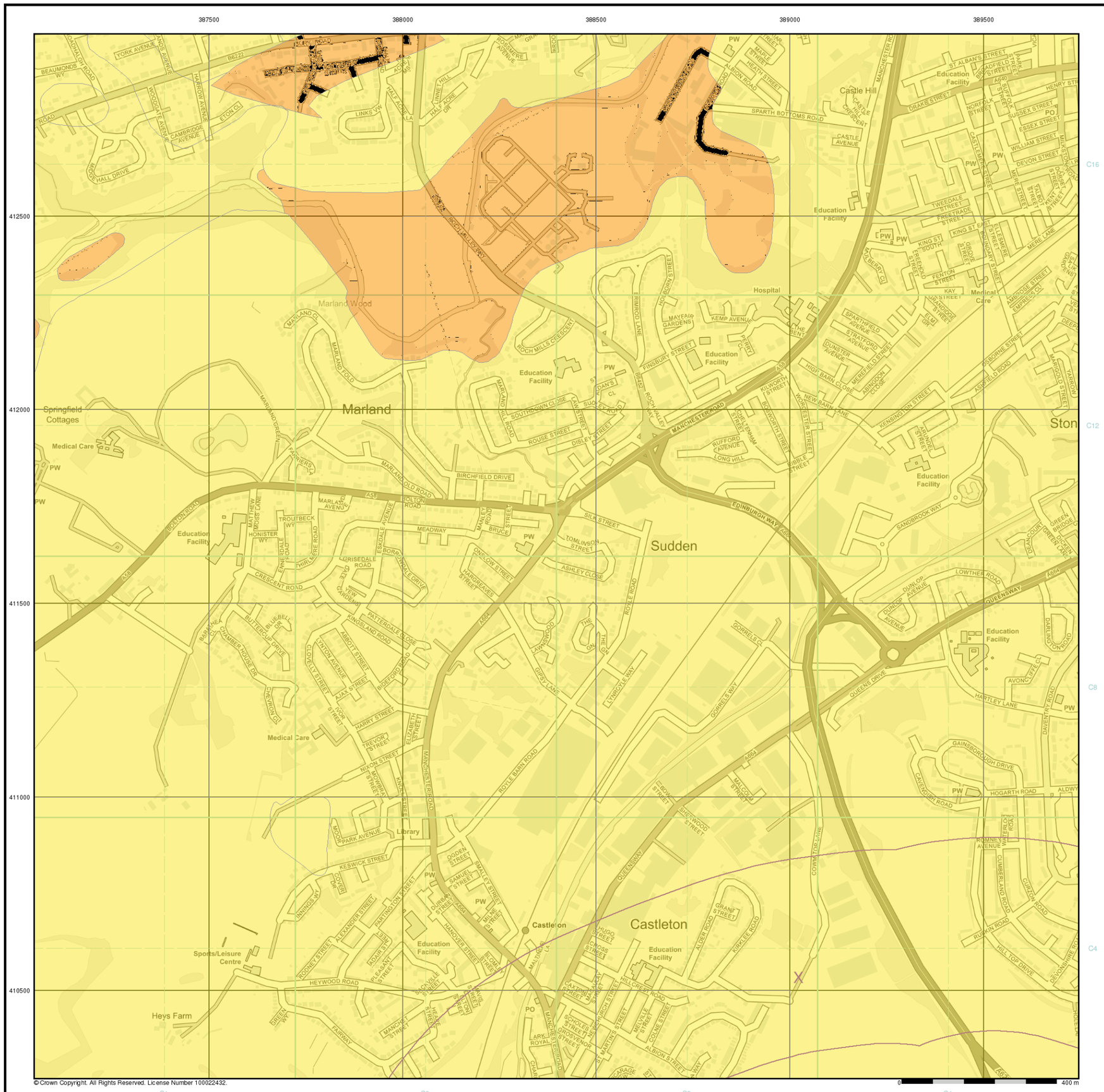
Order Details

Order Details:	300522833_1_1
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0 400 m

RSK

General

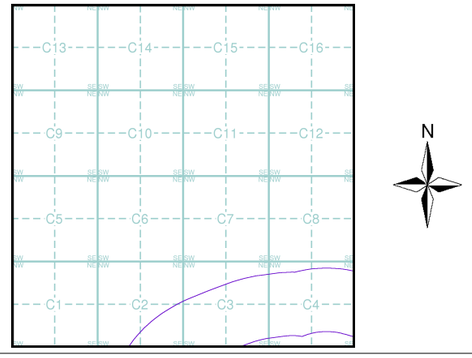
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



Order Details

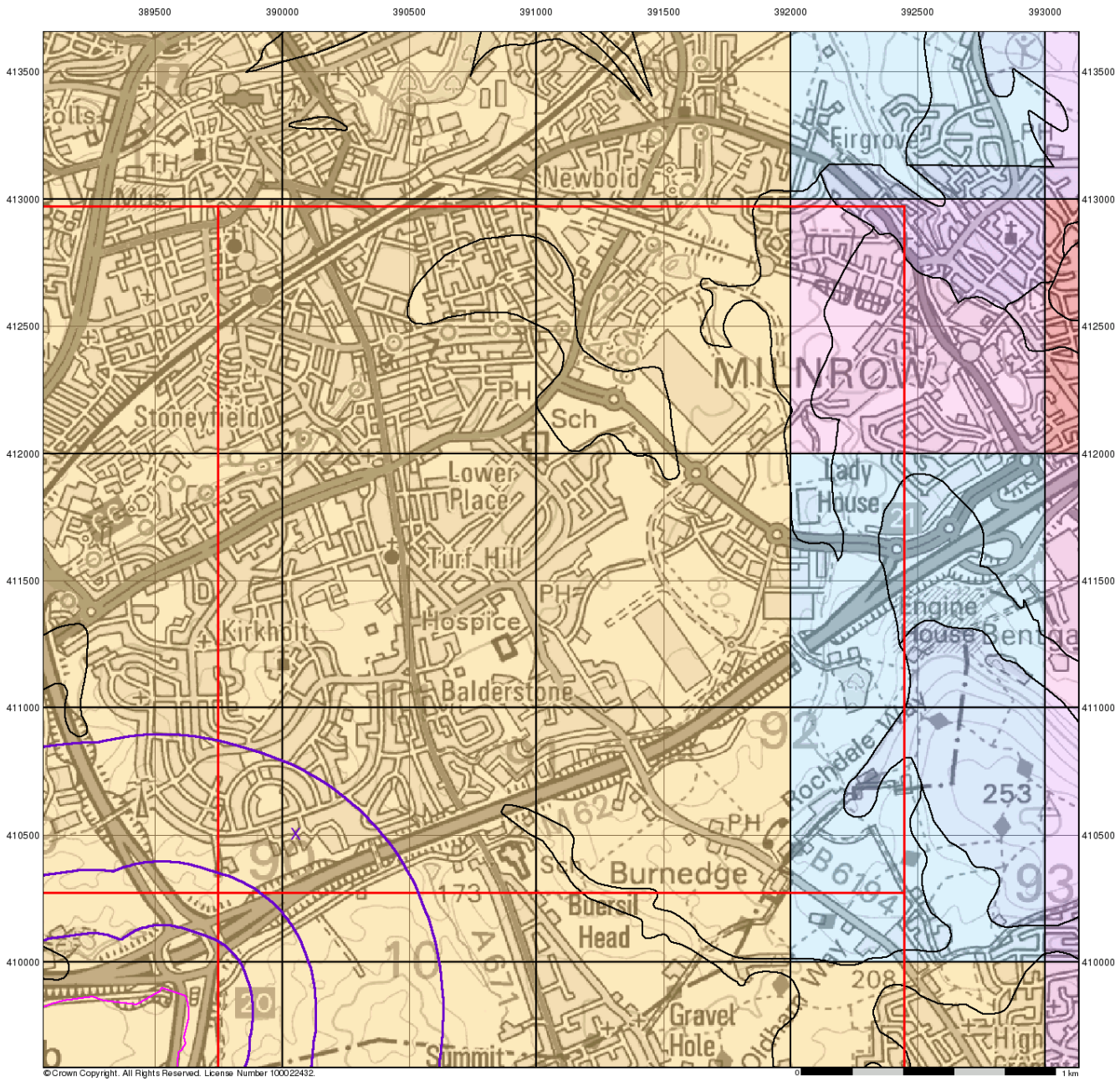
Order Details:	300522833_1_1
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Groundwater Vulnerability

General

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

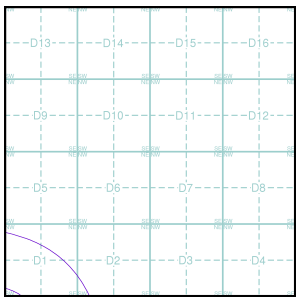
Agency and Hydrological

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 D



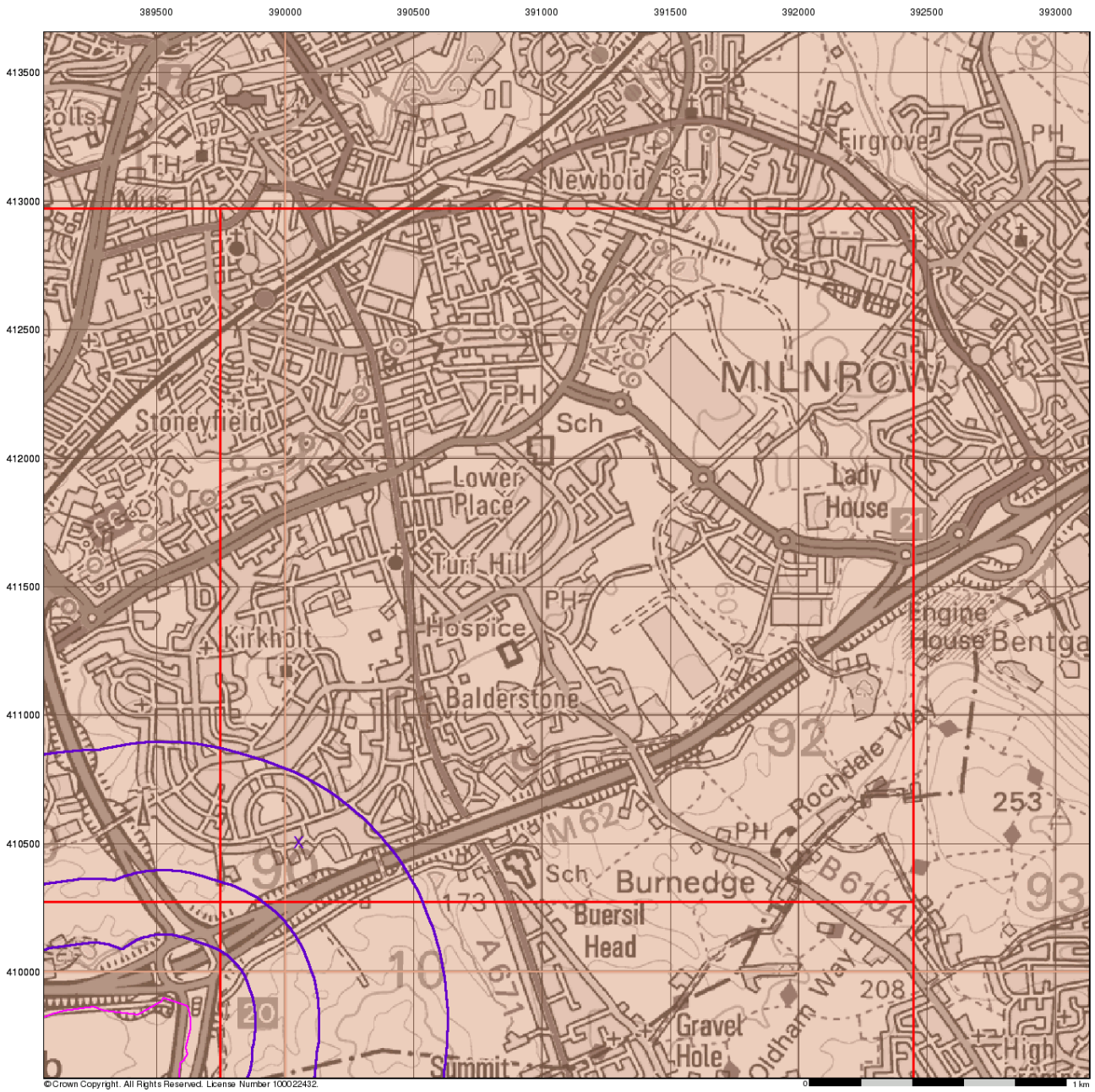
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



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Bedrock Aquifer Designation

General

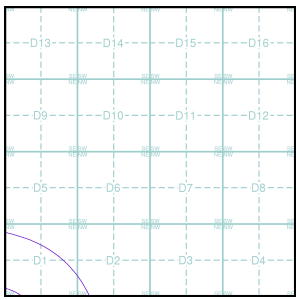
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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 D



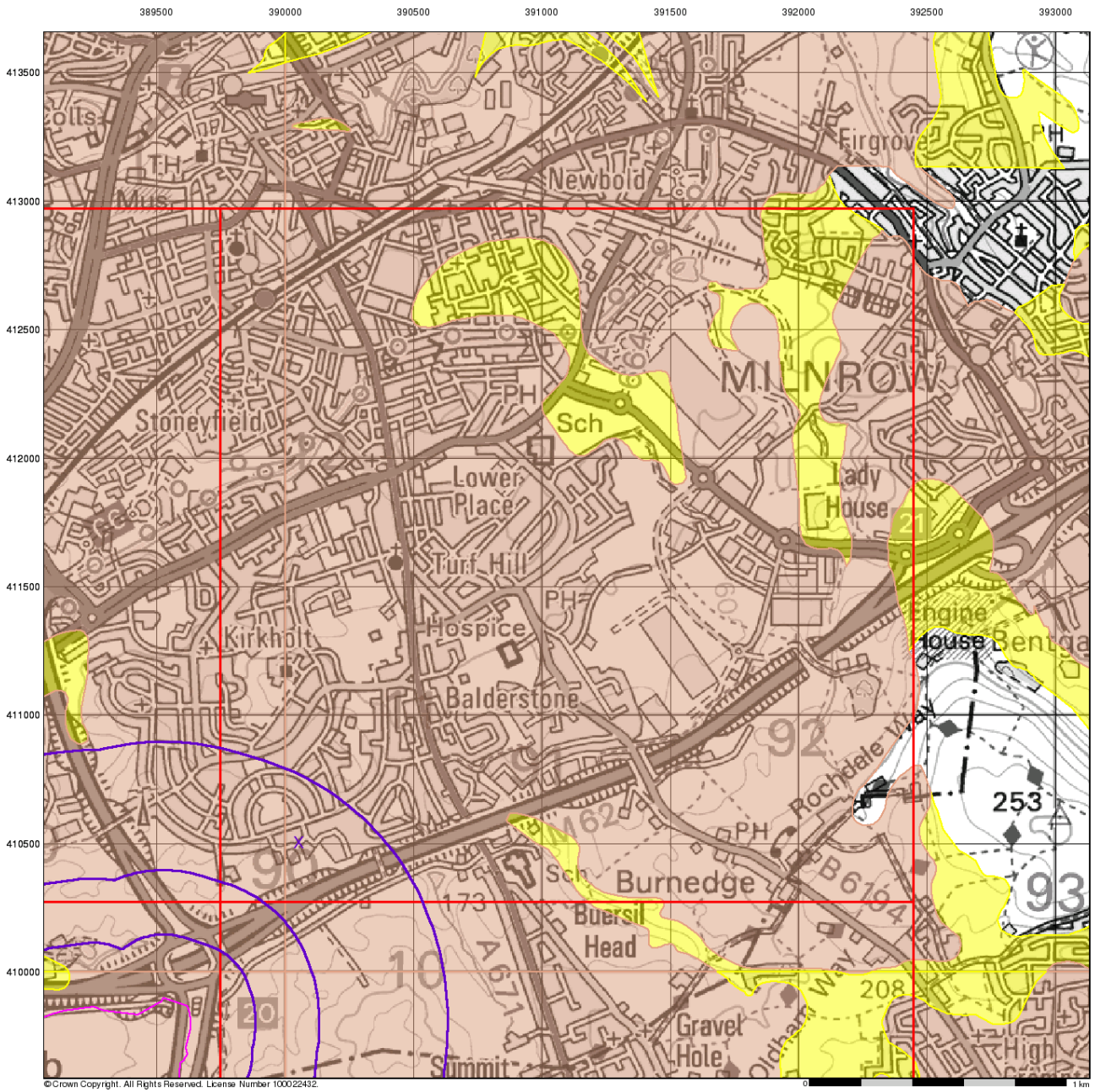
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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RSK

Superficial Aquifer Designation

General

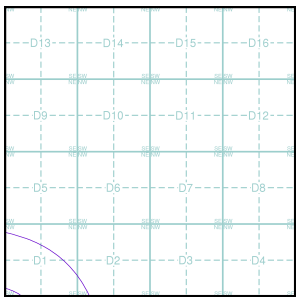
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice D

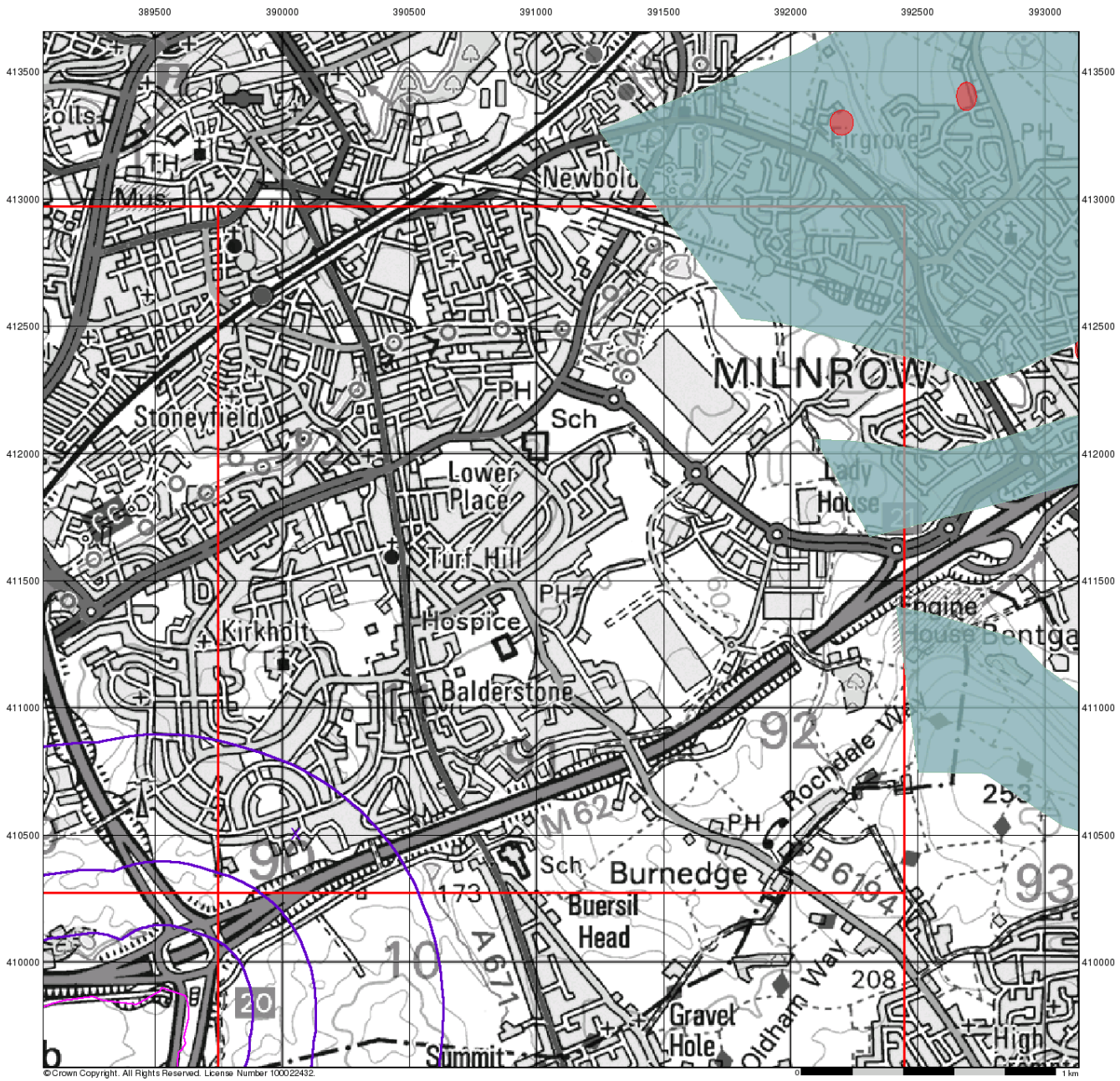


Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH



RSK

Source Protection Zones

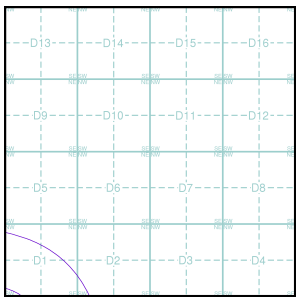
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice D



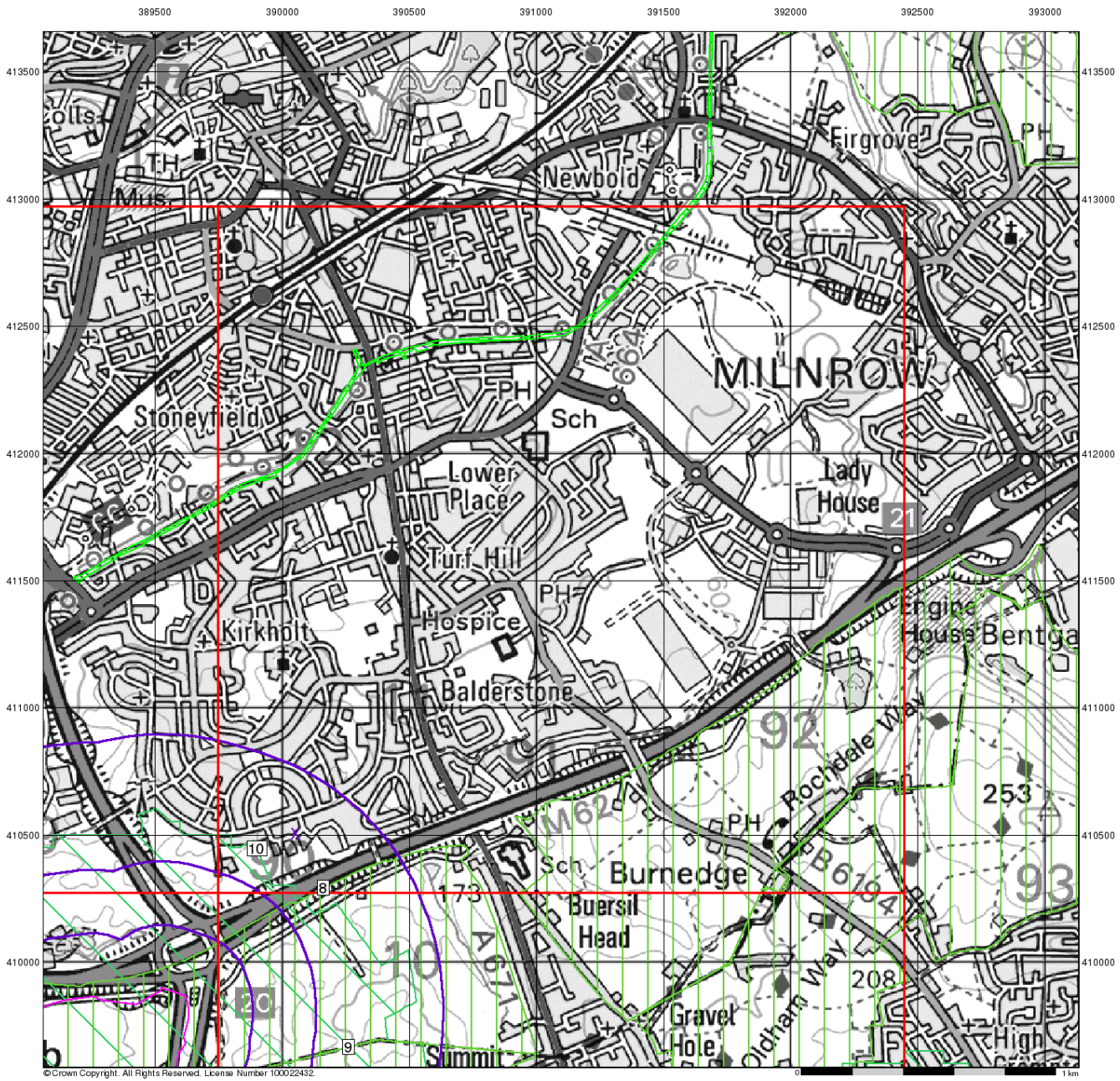
Order Details

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Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
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Site Details

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Sensitive Land Uses

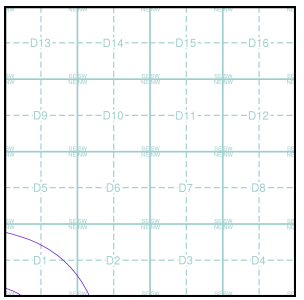
General

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 D



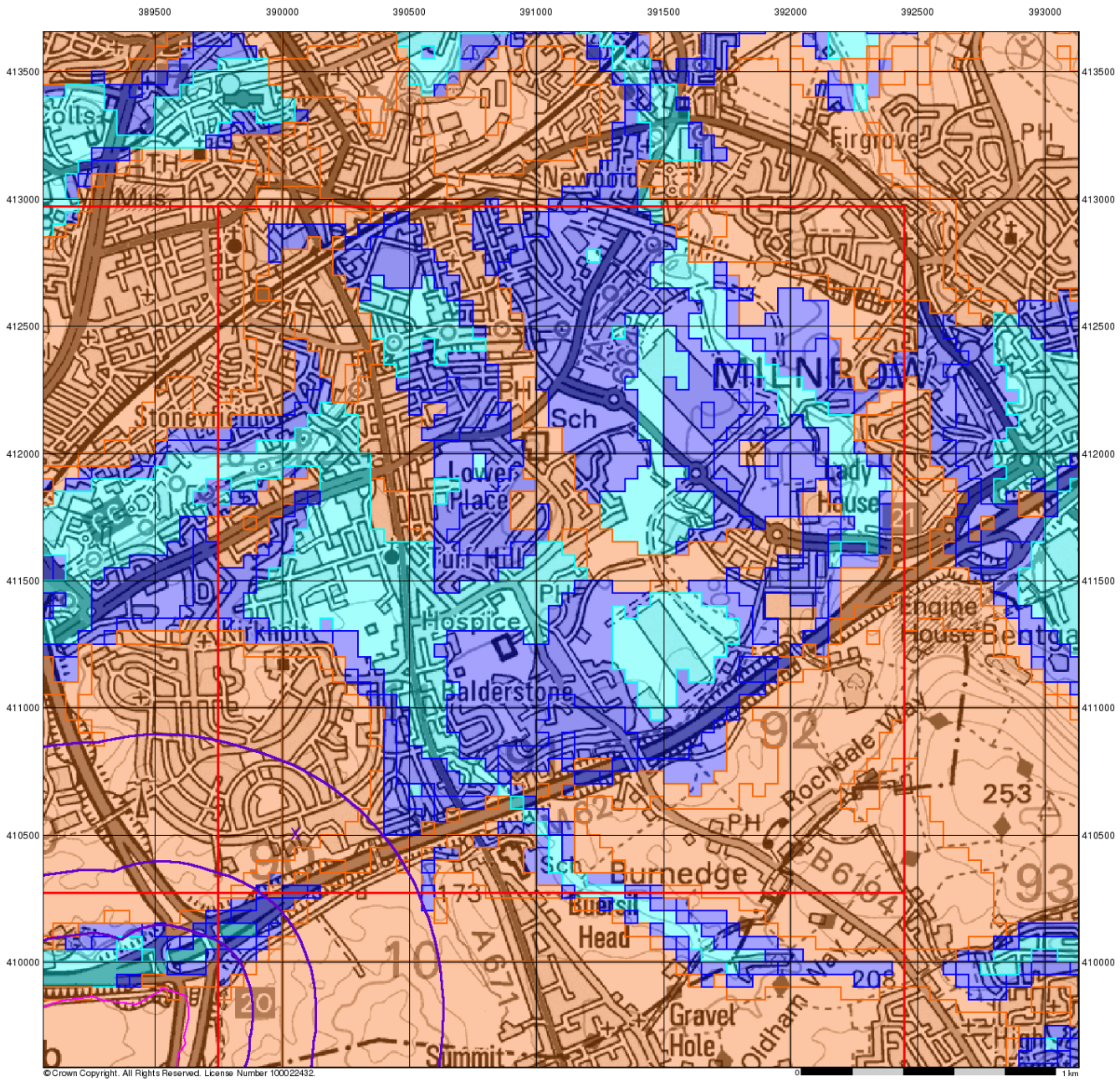
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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RSK

BGS Flood GFS Data

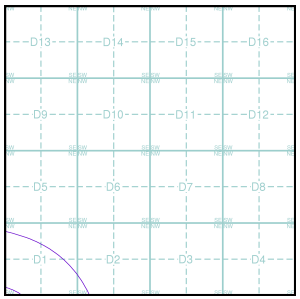
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice D



Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
300522833_1_1

Customer Reference:
322974

National Grid Reference:
390050, 410510

Slice:
D

Site Area (Ha):
95.3

Search Buffer (m):
1000

Site Details:

Thornfield Farm, Thornham Lane
Middleton
MANCHESTER
M24 2SH

Client Details:

Mr R Newberry
RSK Environment Ltd
Spring Lodge
172 Chester Road
Helsby
Cheshire
WA6 0AR

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	4
Hazardous Substances	-
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Introduction

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

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Report Version v53.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature					
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 3	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 3	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 3	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					

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	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 4				5
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					

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			
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 5	Yes	n/a	n/a	n/a
Mining Instability	pg 5	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 5		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 5		Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 5		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 5		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 6				1
Fuel Station Entries					
Points of Interest - Commercial Services					
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 6				1
Points of Interest - Public Infrastructure					
Points of Interest - Recreational and Environmental					
Gas Pipelines					
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	pg 7	1	1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 7	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: Limited Potential for Groundwater Flooding to Occur	(S)	0	1	390000 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	389250 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	0	1	389750 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	37	1	389550 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	48	1	389450 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	59	1	389600 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	60	1	389400 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	74	1	389700 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	104	1	389550 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	107	1	389750 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	108	1	389500 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	120	1	389800 409900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	130	1	389450 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	133	1	389850 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	137	1	389350 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	155	1	389750 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	156	1	389600 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	169	1	389650 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	173	1	389450 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	180	1	389850 409950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	186	1	389900 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	187	1	389450 410150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	187	1	389350 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	199	1	389150 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	204	1	389550 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	206	1	389100 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	206	1	389700 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	224	1	389900 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	232	1	389700 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	242	1	389200 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	244	1	389900 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	247	1	389750 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1SW (W)	254	1	390000 410506
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(SW)	267	1	389900 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	284	1	389400 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	294	1	389800 410200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	310	1	389950 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	334	1	389950 410100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	335	1	390000 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	(NW)	347	1	389250 411300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	355	1	390000 410050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(SW)	358	1	389800 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	368	1	390053 410000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	377	1	390000 410100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(SW)	379	1	389900 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1SE (SE)	402	1	390150 410300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	(S)	404	1	390000 410150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	D1SW (SW)	423	1	390000 410400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(S)	445	1	390053 410250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	D1SW (SW)	474	1	389950 410300
	Nearest Surface Water Feature None				
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	(S)	0	2	390000 410000
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(S)	0	2	390000 410000
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	(S)	0	2	390000 410000
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	OS Water Network Lines None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	4	390053 410506
1	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	D1SW (W)	667	-	389830 410499
2	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	D1SE (E)	809	-	390246 410431
3	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	D1NW (N)	883	-	390078 410622
4	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	D1NW (N)	907	-	389999 410691
5	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	D1NW (N)	945	-	390049 410709

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	D1SW (SW)	0	1	390053 410506
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment 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	D1SW (SW)	0	1	390053 410506
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil and Sediment Arsenic Concentration: 25 - 35 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)	0	1	390053 410000
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	D1SW (SW)	0	5	390053 410506
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	D1SW (SW)	0	-	390053 410506
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (W)	104	1	390000 410506
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (W)	104	1	390000 410506
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	D1SW (W)	104	1	390000 410506
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (W)	104	1	390000 410506
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (W)	104	1	390000 410506
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	D1SW (W)	104	1	390000 410506
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	D1SW (SW)	114	1	389802 410311
	Radon Potential - Radon Affected Areas No Data Available				
	Radon Potential - Radon Protection Measures No Data Available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Contemporary Trade Directory Entries** Name: Strand Location: 39, The Strand, Rochdale, Lancashire, OL11 2JG Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	D1NW (NW)	956	-	389781 410817
7	**Points of Interest - Manufacturing and Production** Name: Wind Turbine Location: OL11 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	D1SW (SW)	594	6	389968 410348

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Areas of Adopted Green Belt** Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan **Status:** **Adopted** Plan Date: 30th June 2006	D1SE (SE)	0	7	390164 410290
9	**Areas of Adopted Green Belt** Authority: Oldham Metropolitan Borough Council Plan Name: Core Strategy And Development Management Policies **Status:** **Adopted** Plan Date: 9th November 2011	(S)	145	8	390261 409664
10	**Nitrate Vulnerable Zones** Name: River Irk (Moston Brook To River Irwell) Nvz Description: Surface Water Source: Environment Agency, Head Office	D1SW (W)	0	2	389901 410446

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Environment Agency - Head Office	June 2020	Annually
Oldham Metropolitan Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2017	Annually
Discharge Consents		
Environment Agency - North West Region	July 22	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	July 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Variable
Local Authority Pollution Prevention and Controls		
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Annual Rolling Update
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Rochdale Metropolitan Borough Council - Environmental Health Department	July 2014	Variable
Oldham Metropolitan Borough Council - Environmental Health Department	March 2015	Variable
Nearest Surface Water Feature		
Ordnance Survey	June 2022	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	
Registered Radioactive Substances		
Environment Agency - North West Region	June 2016	As notified
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - Central Area	July 2022	Quarterly
Environment Agency - North West Region - South Area	July 2022	Quarterly
Water Abstractions		
Environment Agency - North West Region	July 2022	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations		
Environment Agency - Head Office	January 2018	Annually

Agency & Hydrological	Version	Update Cycle
Source Protection Zones Environment Agency - Head Office	July 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2022	Quarterly
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

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	April 2022	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - Central Area	April 2022	Quarterly
Environment Agency - North West Region - South Area	April 2022	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - Central Area	April 2022	Quarterly
Environment Agency - North West Region - South Area	April 2022	Quarterly
Local Authority Landfill Coverage		
Oldham Metropolitan Borough Council	February 2003	Not Applicable
Rochdale Metropolitan Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Oldham Metropolitan Borough Council	October 2018	
Rochdale Metropolitan Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - Central Area	March 2006	Not Applicable
Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - Central Area	April 2018	
Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - Central Area	June 2015	
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	January 2022	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Oldham Metropolitan Borough Council	February 2016	Variable
Rochdale Metropolitan Borough Council	February 2016	Variable
Planning Hazardous Substance Consents		
Oldham Metropolitan Borough Council	February 2016	Variable
Rochdale Metropolitan Borough Council	February 2016	Variable

Data Currency

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

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2022	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2022	Quarterly
Points of Interest - Education and Health PointX	June 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2022	Quarterly
Points of Interest - Public Infrastructure PointX	June 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

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

Data Suppliers

A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	**Rochdale Metropolitan Borough Council - Environmental Health Department** P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01706 864139 Fax: 01706 864185 Website: www.rochdale.gov.uk
5	**The Coal Authority - Property Searches** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
6	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
7	**Rochdale Metropolitan Borough Council** PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
8	**Oldham Metropolitan Borough Council** Civic Centre, P O Box 55, West Street, Oldham, Lancashire, OL1 1XN	Telephone: 0161 911 3000 Fax: 0161 678 4550 Website: www.oldham.gov.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** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

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

1:10,000 Raster Mapping

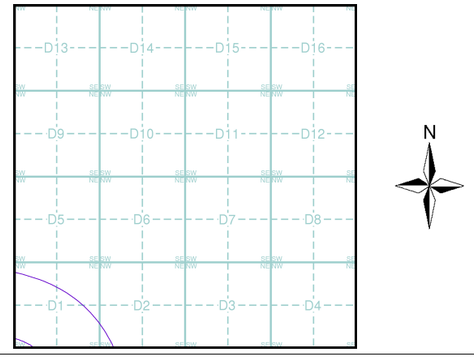
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1910	6
Lancashire And Furness	1:10,560	1931	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1967 - 1968	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1977 - 1979	12
Ordnance Survey Plan	1:10,000	1988	13
Ordnance Survey Plan	1:10,000	1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2021	17

Historical Map - Slice D



Order Details

Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 390050, 410510
Slice: D
Site Area (Ha): 95.3
Search Buffer (m): 1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Fireproof Building
- Prominent Fireproof Building
- Non-fireproof Building
- Non-fireproof Building (non-dwelling)
- Factory, mill, and flour mill, with chimneys
- Factory, mill, and flour mill, without chimneys
- Power Station, drawn to scale
- Hydroelectric Power Station
- Radio Station, drawn to scale
- Telephone Station, drawn to scale
- Abandoned Open-pit Mine or Quarry
- Open-pit Salt Mine
- Pit
- Oil Deposit or Well
- Oil Seepage
- Tailings Pile
- Fuel Storage Tanks
- Natural Gas Tank
- Bench Mark
- Drill Hole
- Burial Mound
- Triangulation Point on Burial Mound
- Single-track Railroad
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation

243,8 Values for prominent elevations

186.0 Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 Velocity of the current, width of river bed, depth of river

Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	ъ (–)
Д д (D)	Л л (L)	У у (U)	ы (Y)
Е е (E)	М м (M)	Ф ф (F)	ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Partly Demolished Buildings
- Demolished Buildings
- Built-Up Area with Fireproof Buildings Predominant
- Built-Up Area with Non-Fireproof Buildings Predominant
- Individual Fireproof Building
- Prominent Industrial Building
- Individual Dwelling, Fireproof
- Ruins of an Individual Dwelling
- Factory or Mill Chimney
- Factory or Mill with Chimney
- Factory or Mill without Chimney
- Mine or Open Pit Mine
- Operating Shaft or Mine
- Non-Operating Shaft or Mine
- Salt Mine
- Tailings Pile
- Pit
- Stone Quarry
- Gas Pump or Service Station
- Fuel Storage or Natural Gas Tank
- Oil or Natural Gas Derrick
- Small Hydroelectric Power Station
- Power Station
- Transformer Station
- Cemetery
- Burial Mound (height in metres)
- Triangulation Point on Burial Mound
- Triangulation Point
- Bench Mark
- Bench Mark (monumented)
- Telegraph Office
- Telephone Station
- Radio Station
- Radio Tower
- Airfield or Seaplane Base
- Landing Strip
- Main Highway
- Highway under Construction
- Improved Dirt Road (former truck road)
- Double-track Railroad with First Class Station
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment
- Well
- Water Reservoir or Rain Water Pit
- Spring
- Isobath with value
- Heavy (Index) Contour Line
- Contour Line and Value
- Half Contour Line
- Spot Elevation Value
- Coniferous
- Deciduous
- Mixed
- Scrub

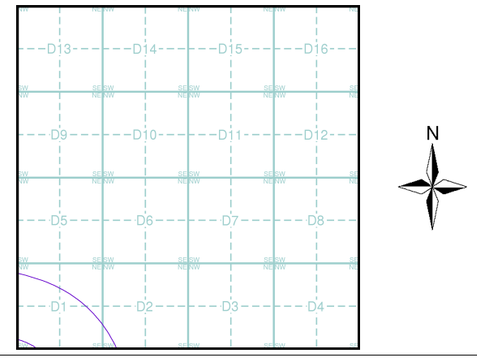
Key to Numbers on Mapping

RSK

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1910	6
Lancashire And Furness	1:10,560	1931	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1967 - 1968	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1977 - 1979	12
Ordnance Survey Plan	1:10,000	1988	13
Ordnance Survey Plan	1:10,000	1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2021	17

Russian Map - Slice D



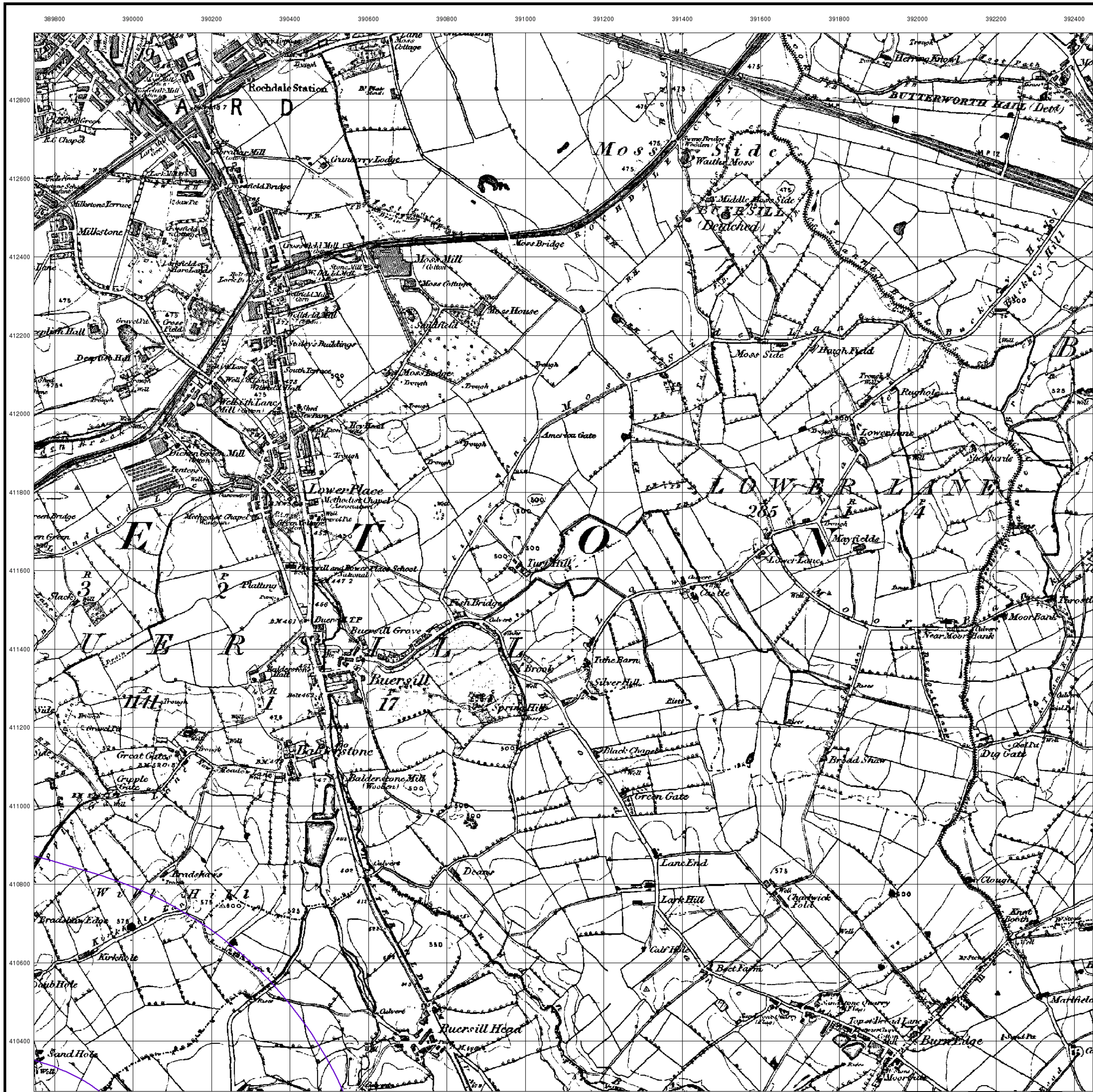
Order Details

Order Number: 300522833_1_1
Customer Ref: 322974
National Grid Reference: 390050, 410510
Slice: D
Site Area (Ha): 95.3
Search Buffer (m): 1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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Lancashire And Furness

Published 1851

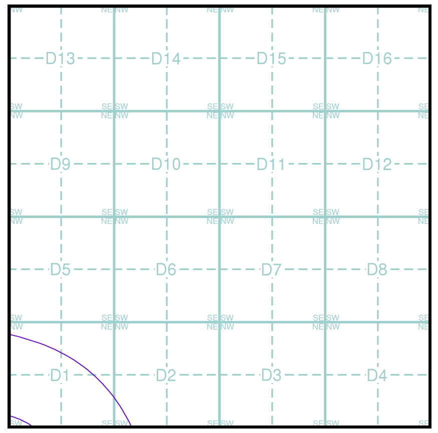
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

08900
1851
1:10,560

Historical Map - Slice D



N

Order Details

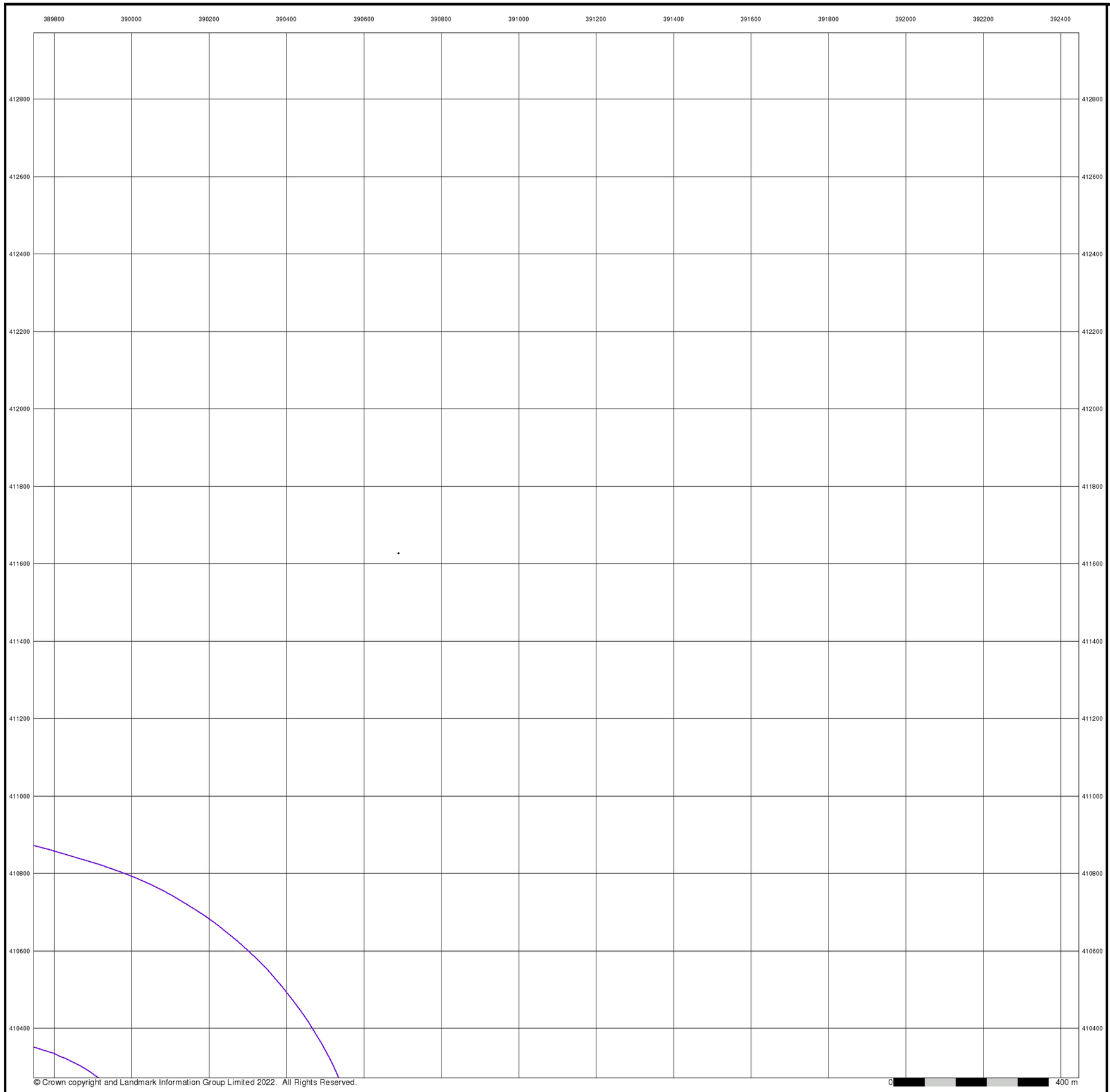
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RSK

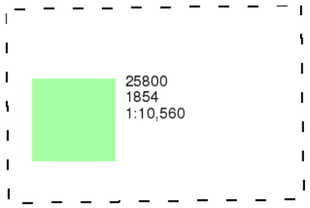
Yorkshire

Published 1854

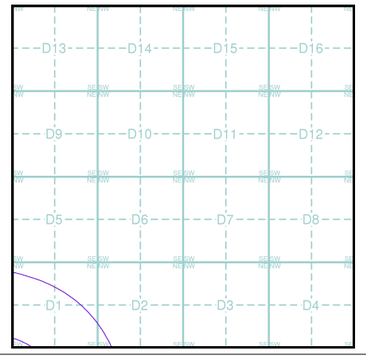
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Map Name(s) and Date(s)



Historical Map - Slice D



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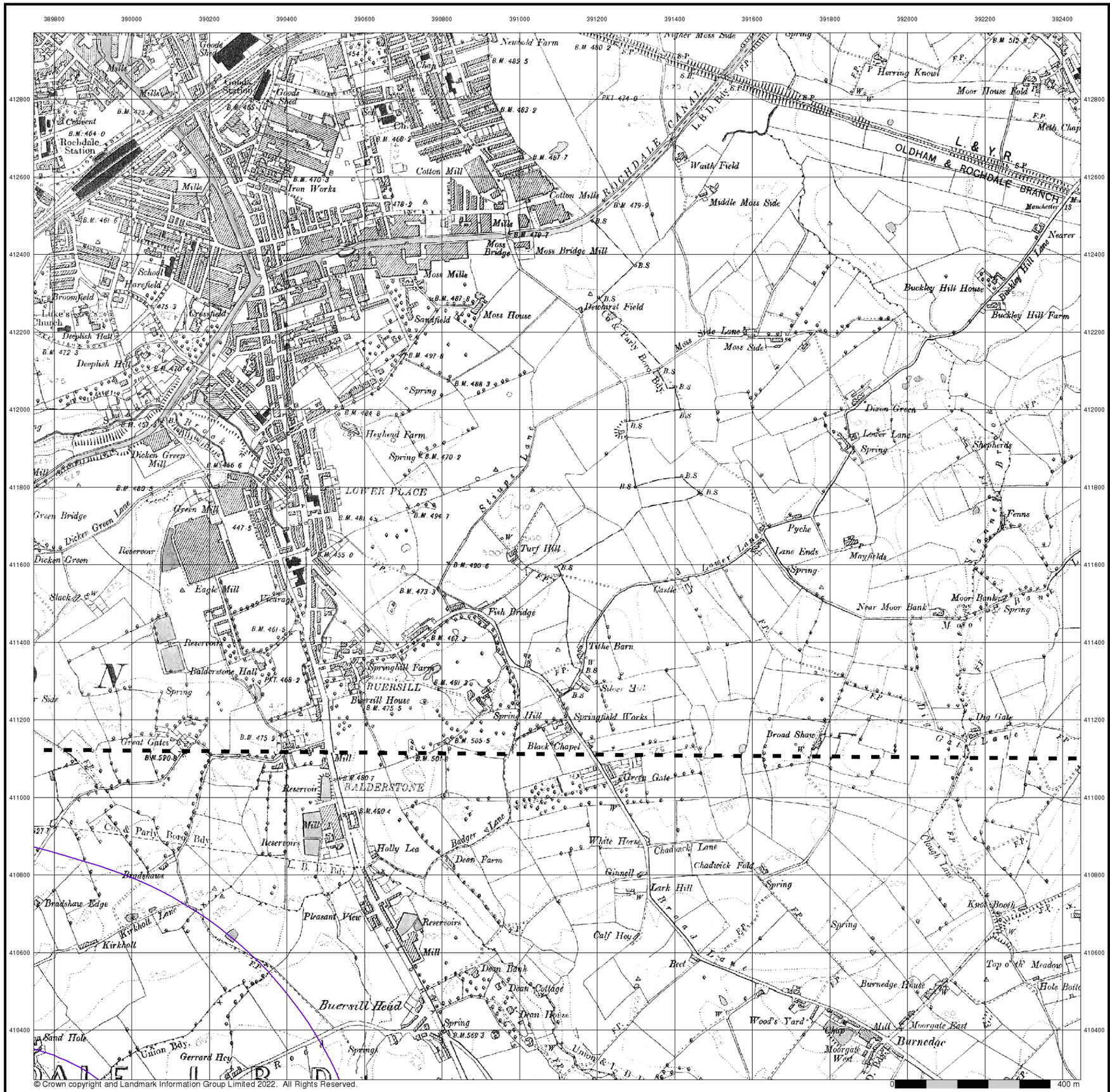
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Lancashire And Furness

Published 1894

Source map scale - 1:10,560

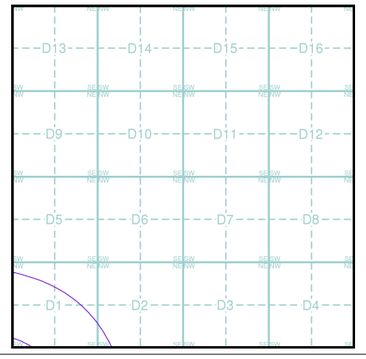
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Map Name(s) and Date(s)

089NW
1894
1:10,560

089SW
1894
1:10,560

Historical Map - Slice D



Order Details

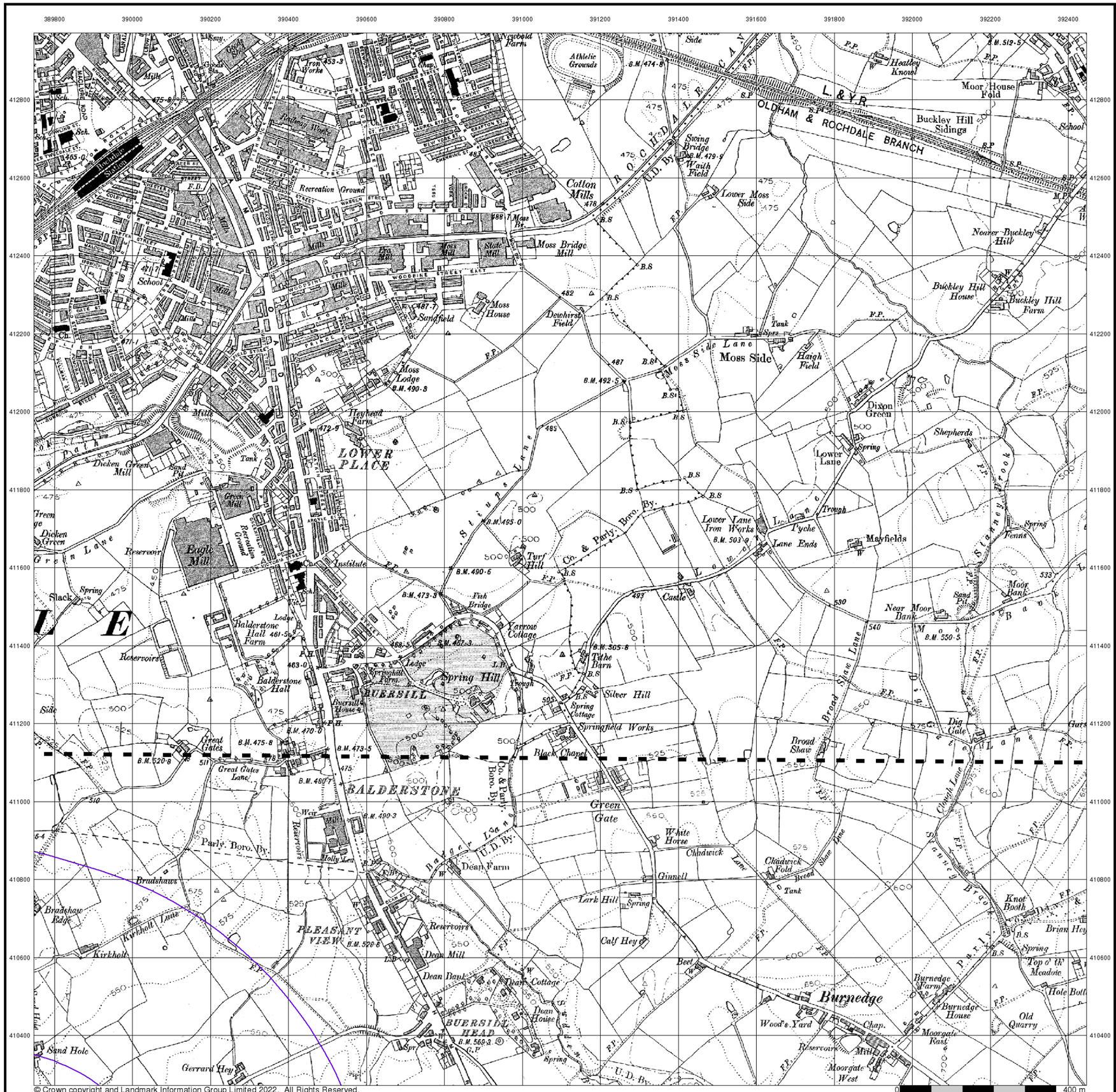
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Lancashire And Furness

Published 1910

Source map scale - 1:10,560

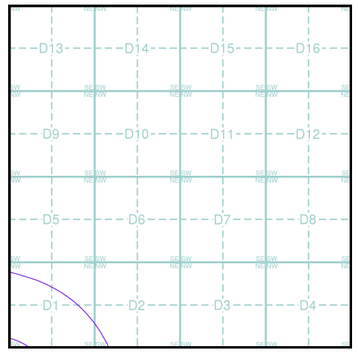
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Map Name(s) and Date(s)

089NW
1910
1:10,560

089SW
1910
1:10,560

Historical Map - Slice D



Order Details

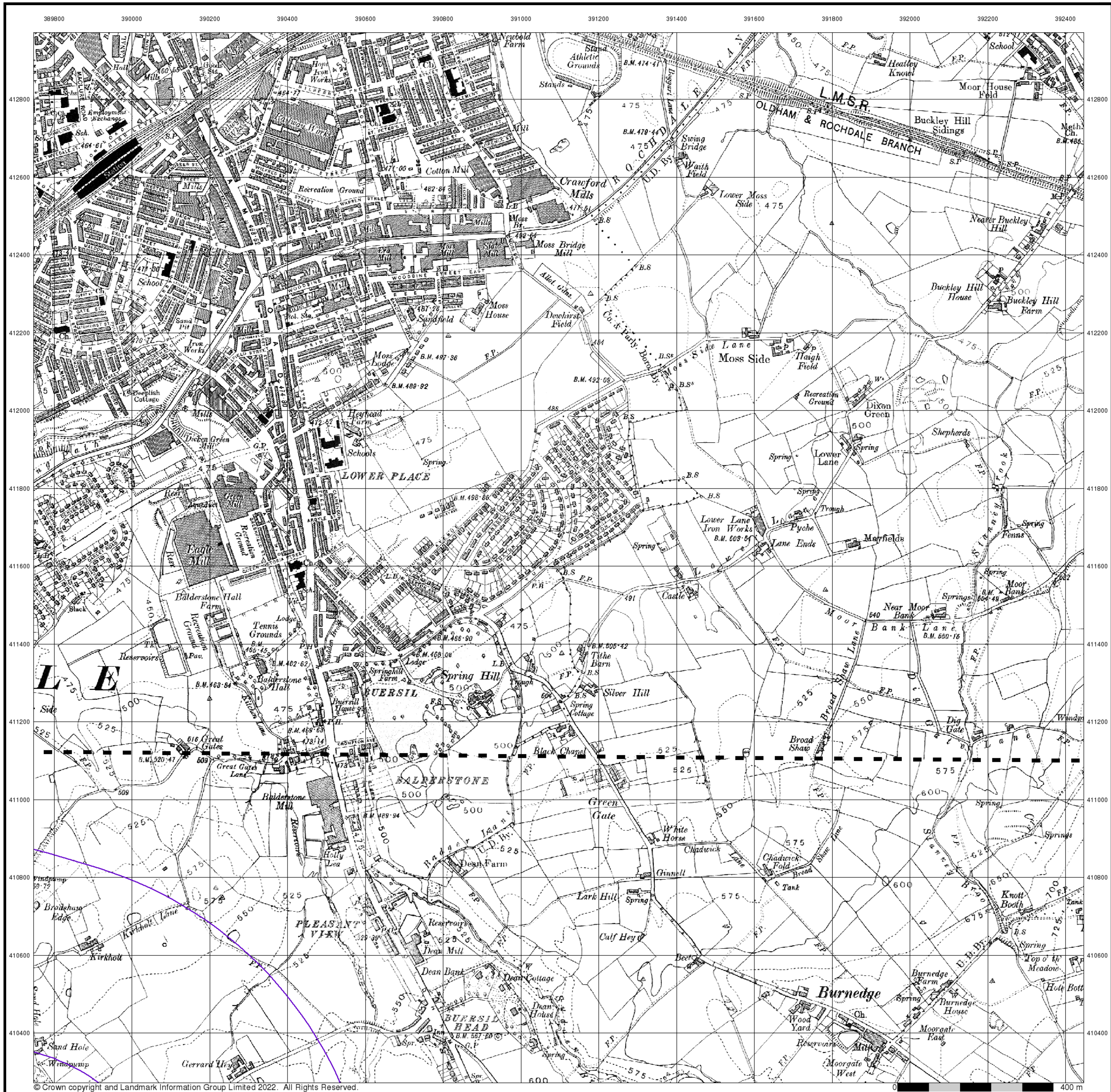
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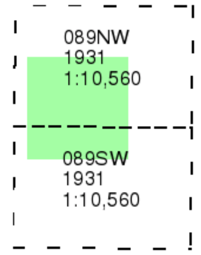
Lancashire And Furness

Published 1931

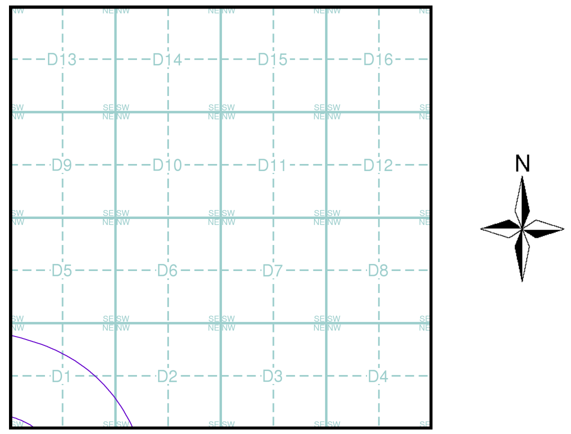
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice D



Order Details

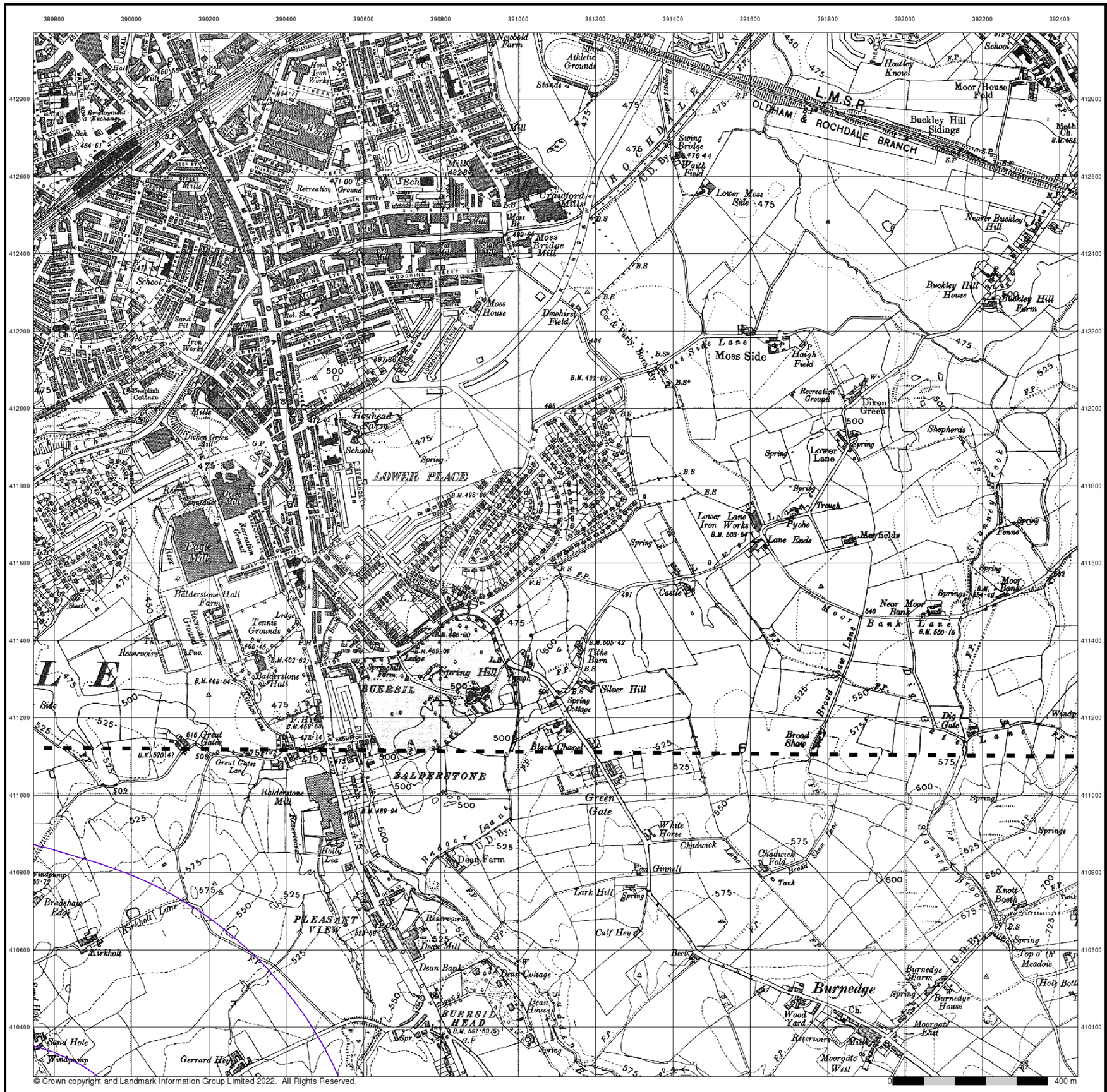
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0 400 m

RSK

Lancashire And Furness

Published 1938

Source map scale - 1:10,560

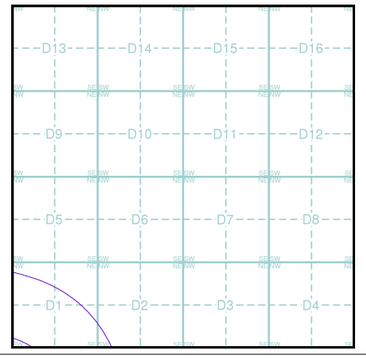
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Map Name(s) and Date(s)

089NW
1938
1:10,560

089SW
1938
1:10,560

Historical Map - Slice D



Order Details

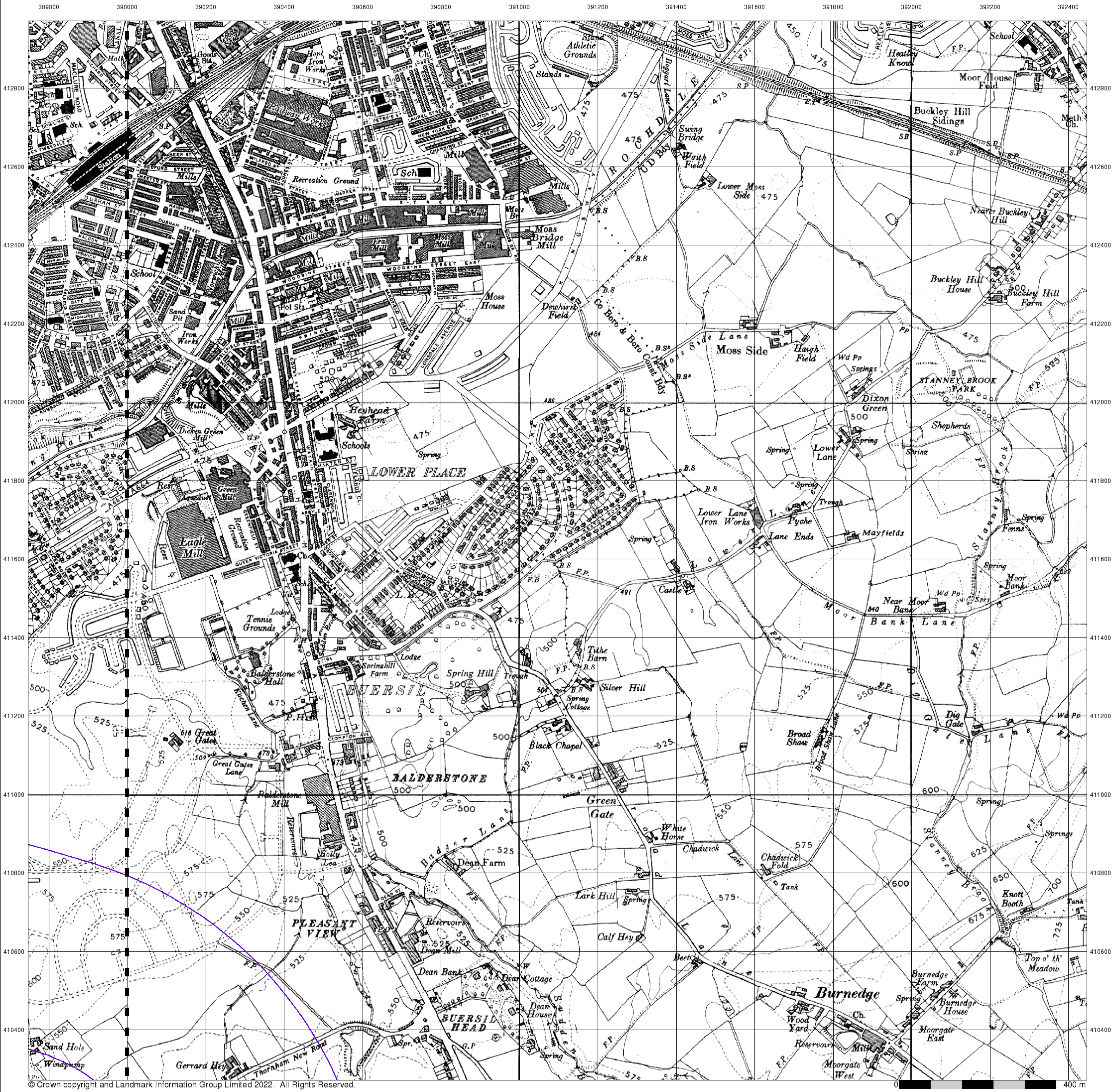
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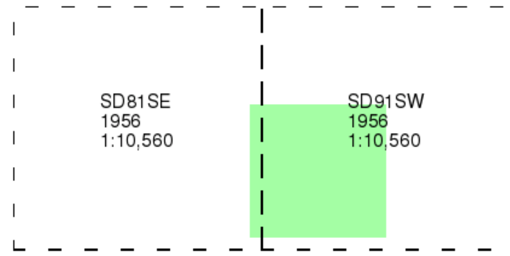
Ordnance Survey Plan

Published 1956

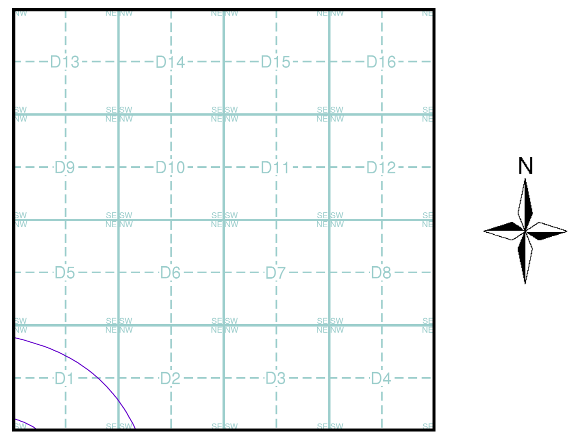
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice D

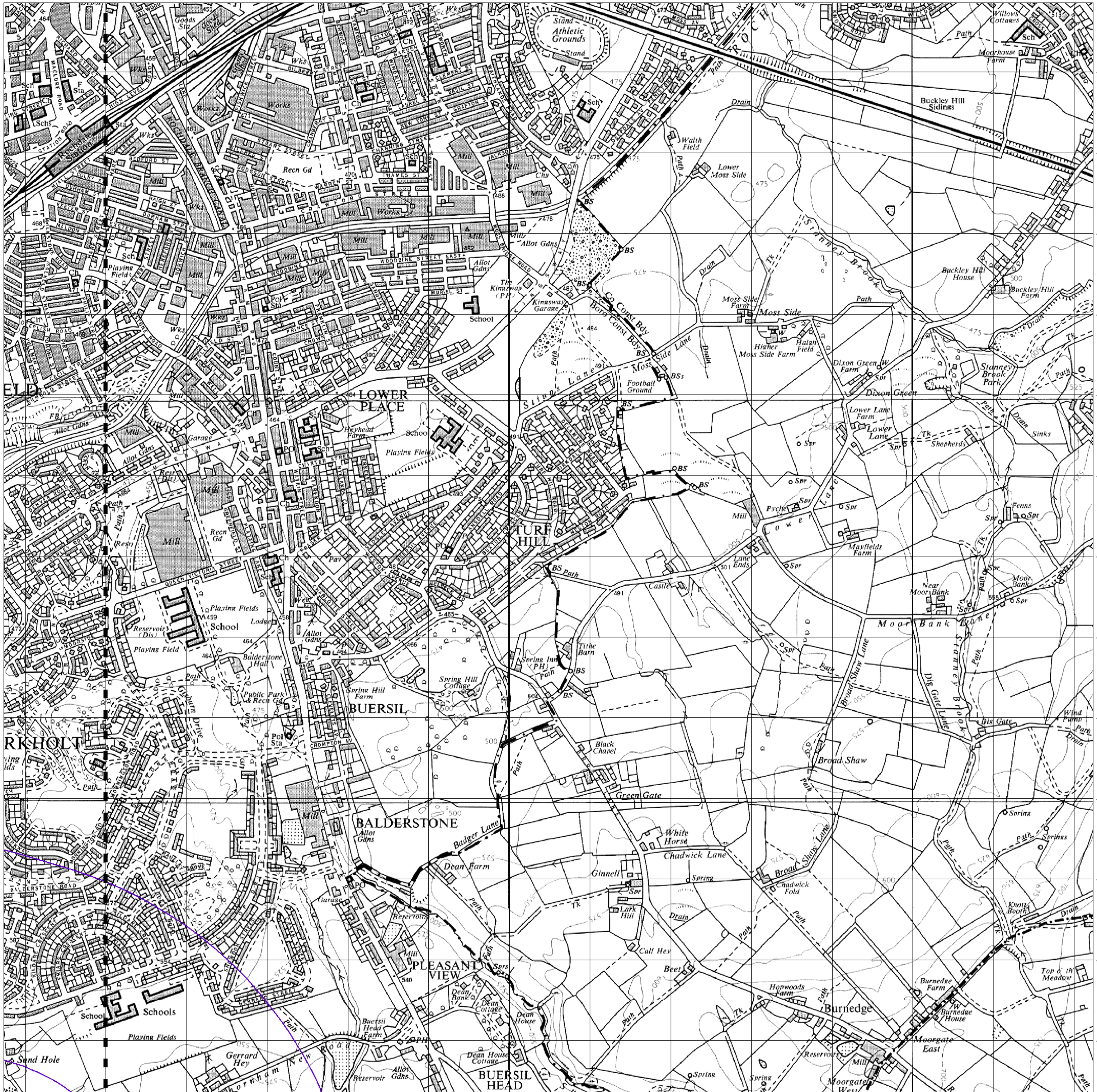


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Site Details

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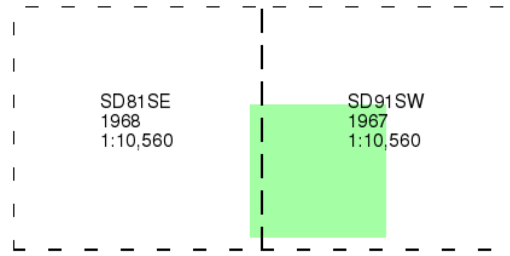
Ordnance Survey Plan

Published 1967 - 1968

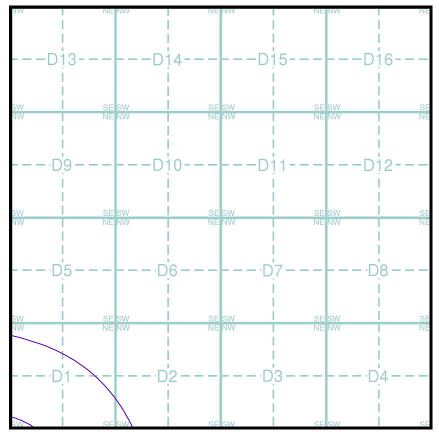
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Map Name(s) and Date(s)



Historical Map - Slice D



N

Order Details

Order Number: 300522833_1_1
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Slice: D
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RSK

Manchester

Published 1975

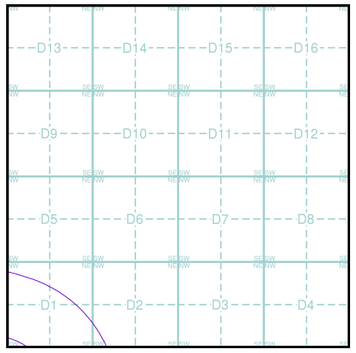
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice D



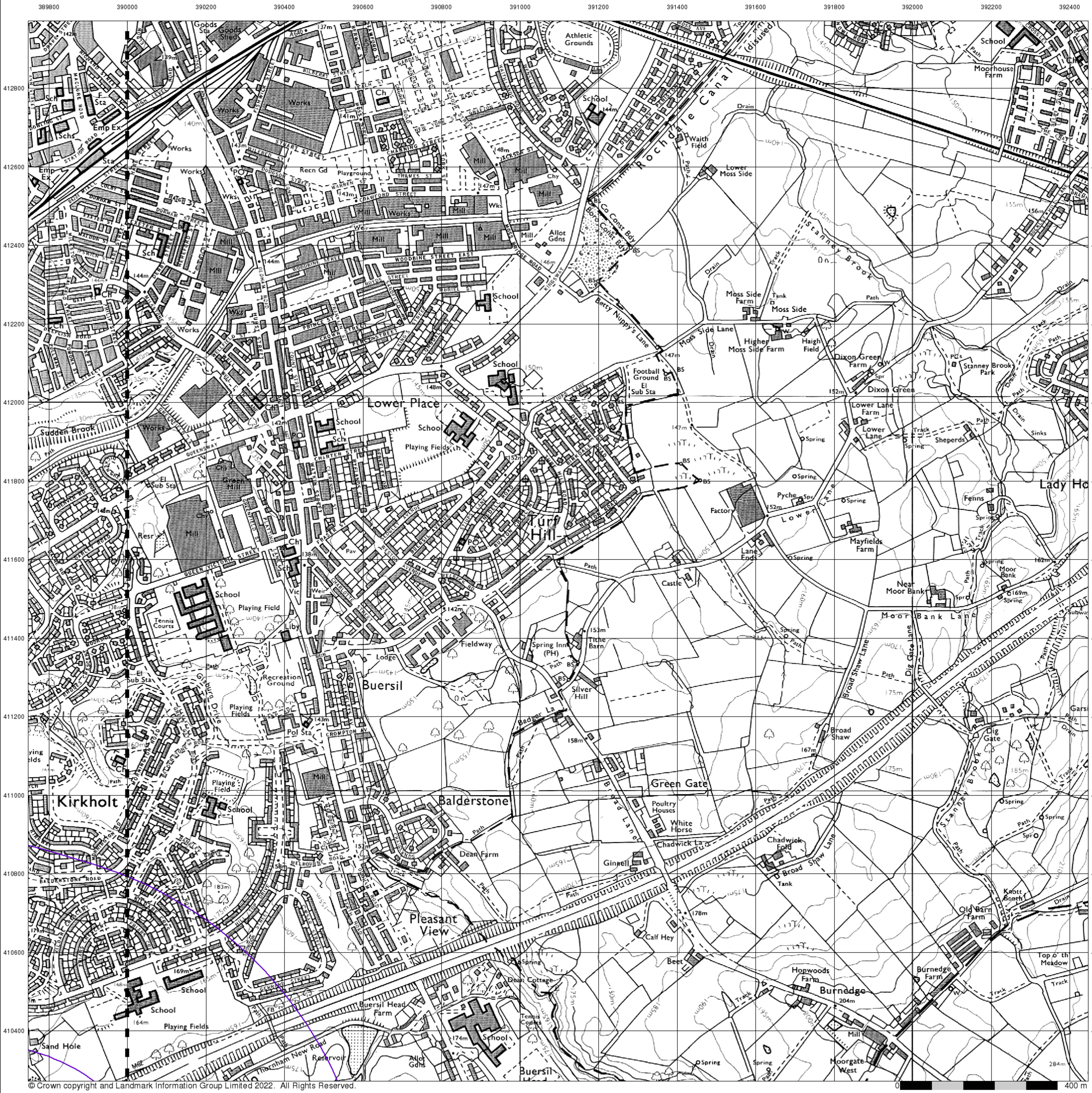
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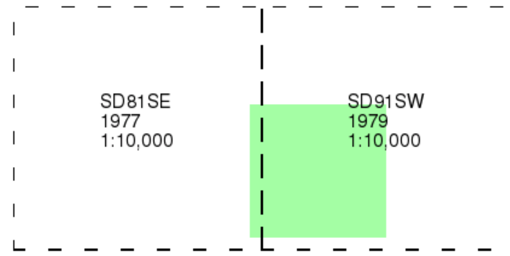
Ordnance Survey Plan

Published 1977 - 1979

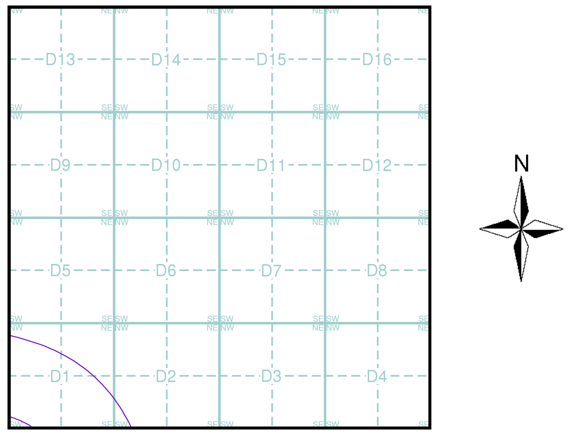
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Map Name(s) and Date(s)



Historical Map - Slice D



Order Details

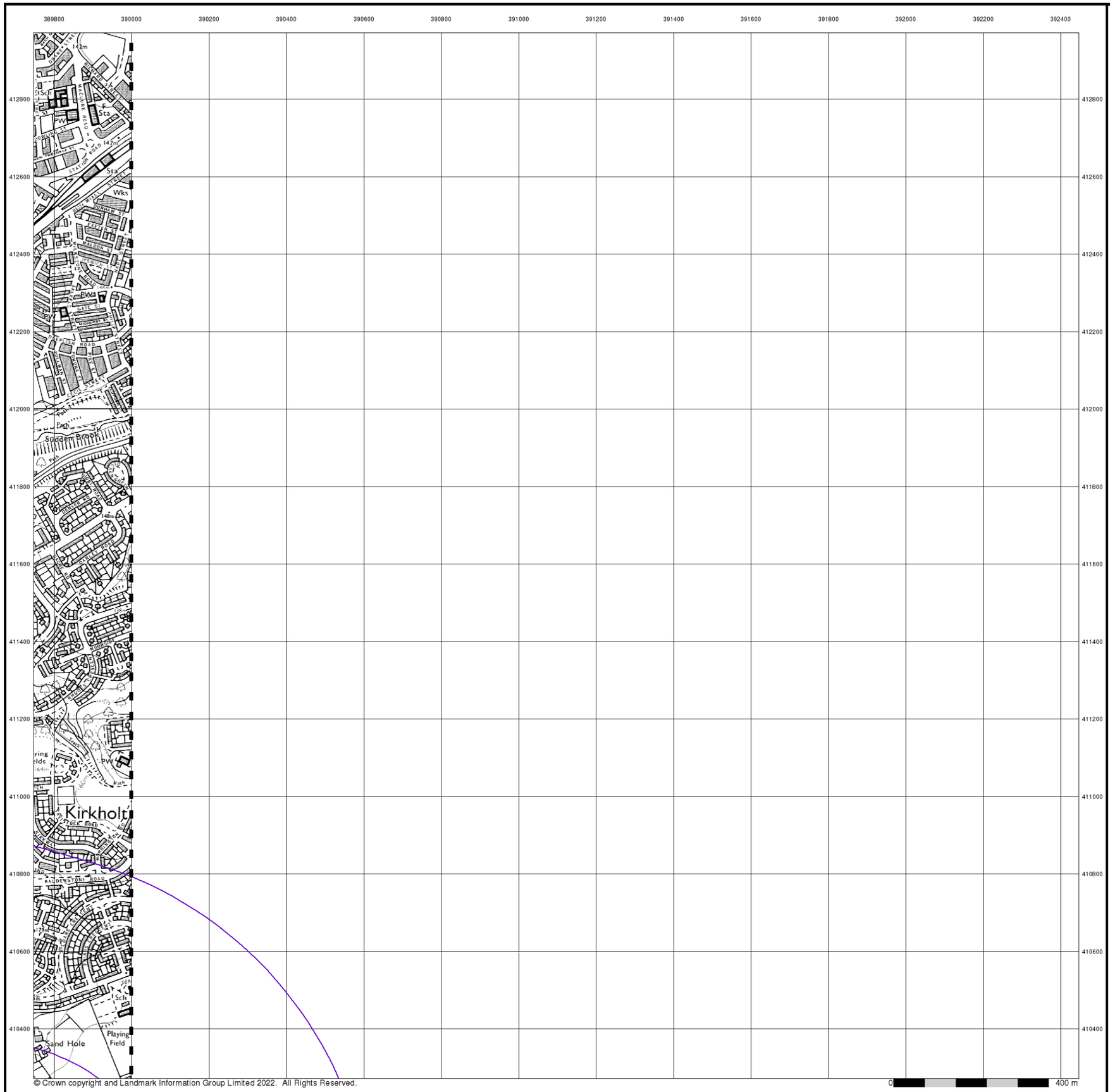
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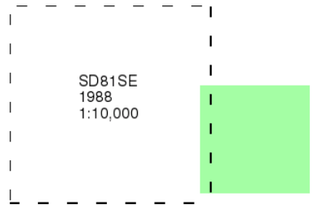
Ordnance Survey Plan

Published 1988

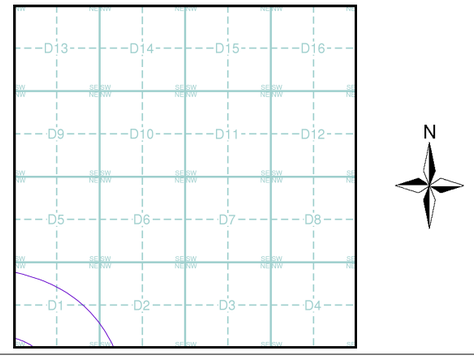
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Map Name(s) and Date(s)



Historical Map - Slice D



Order Details

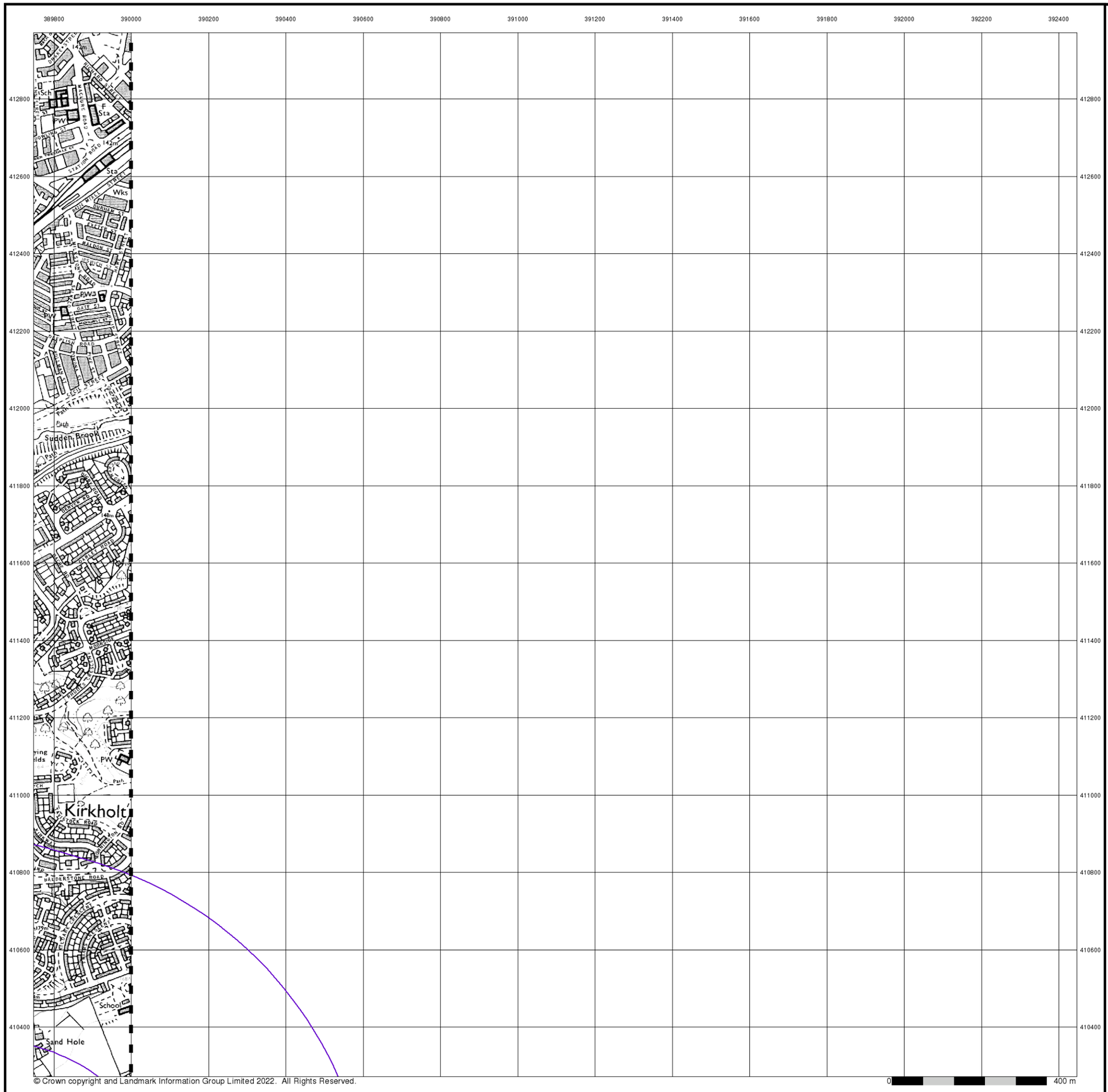
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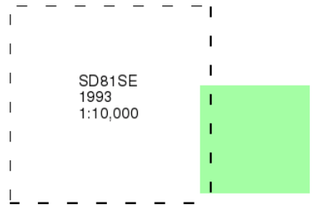
Ordnance Survey Plan

Published 1993

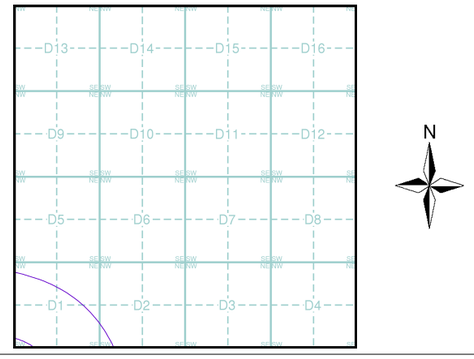
Source map scale - 1:10,000

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 D



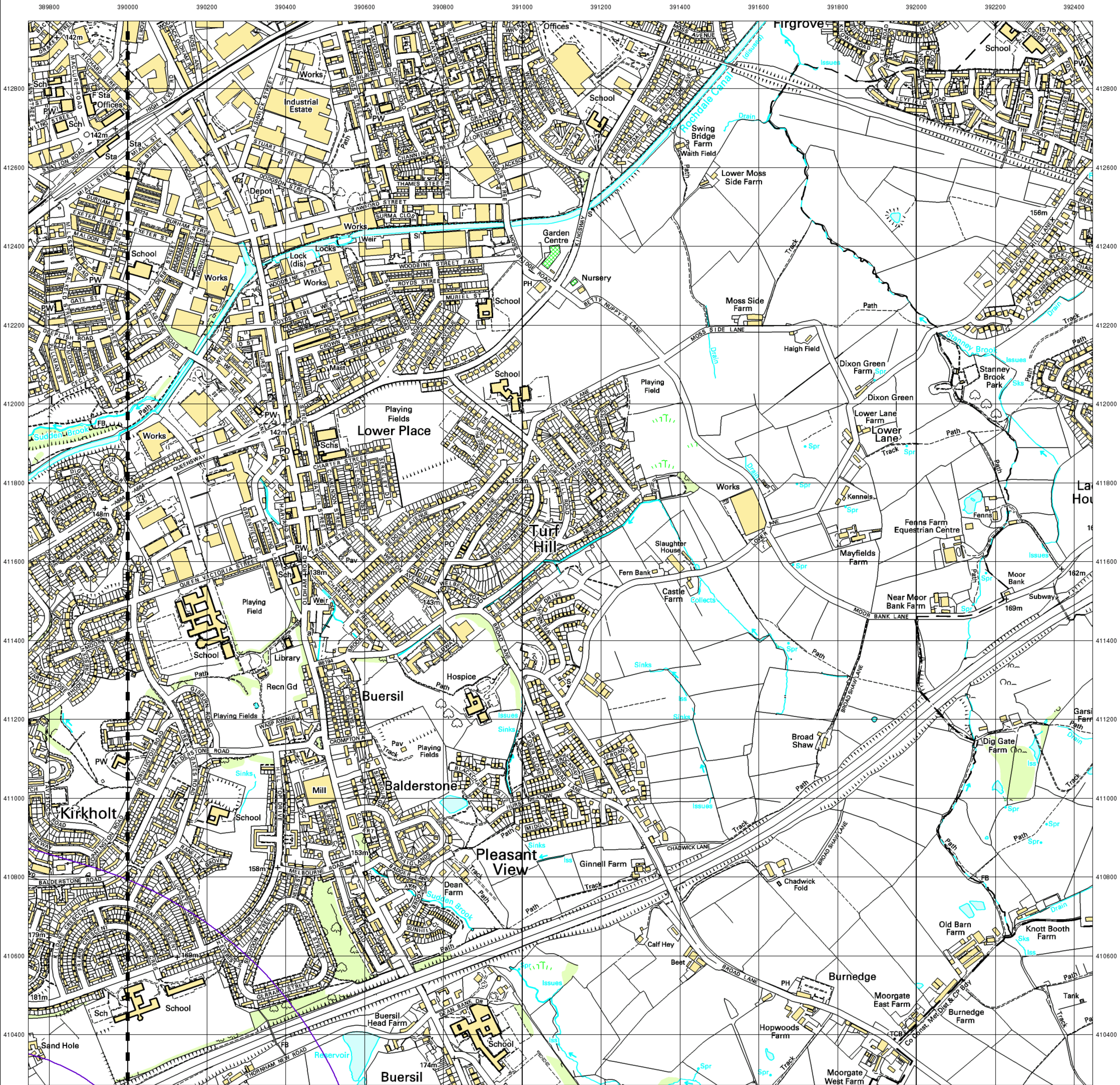
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

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



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0 400 m

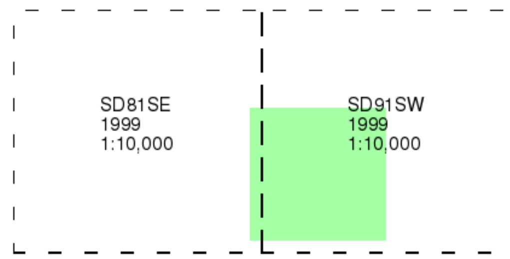
10k Raster Mapping

Published 1999

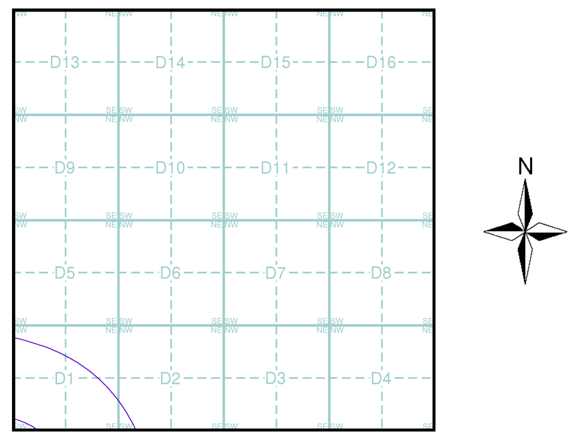
Source map scale - 1:10,000

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 D



Order Details

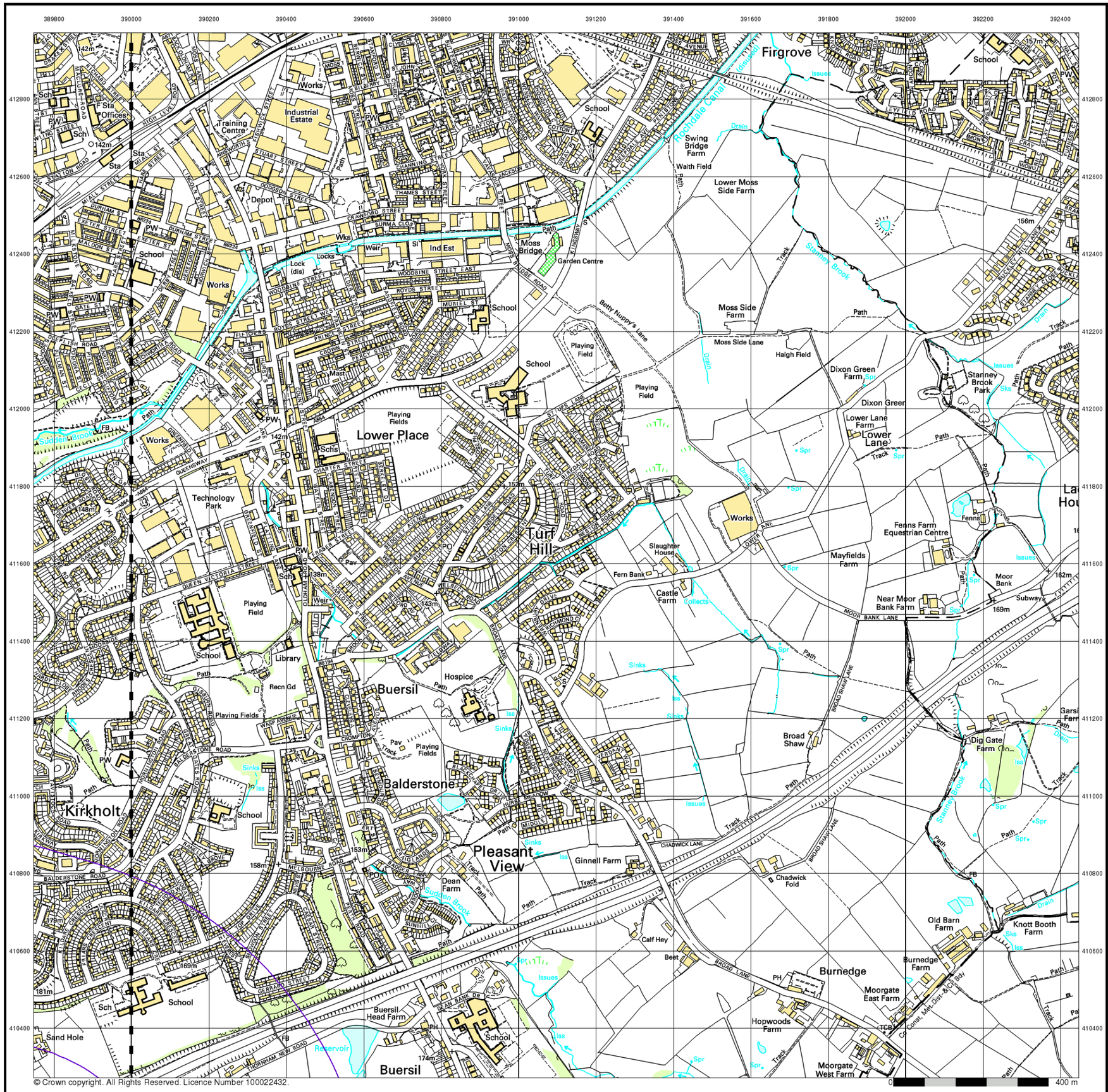
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Slice: D
Site Area (Ha): 95.3
Search Buffer (m): 1000

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0 400 m

RSK

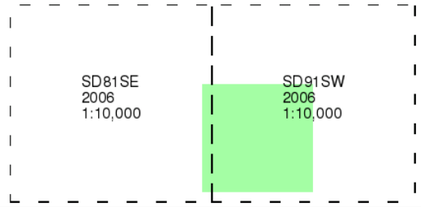
10k Raster Mapping

Published 2006

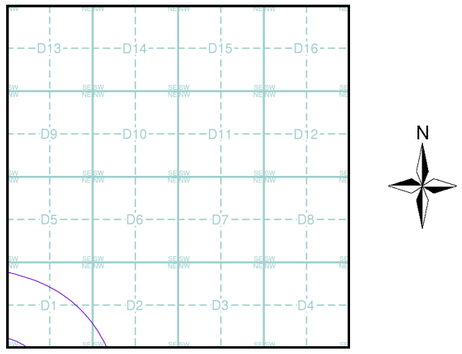
Source map scale - 1:10,000

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)



Historical Map - Slice D



Order Details

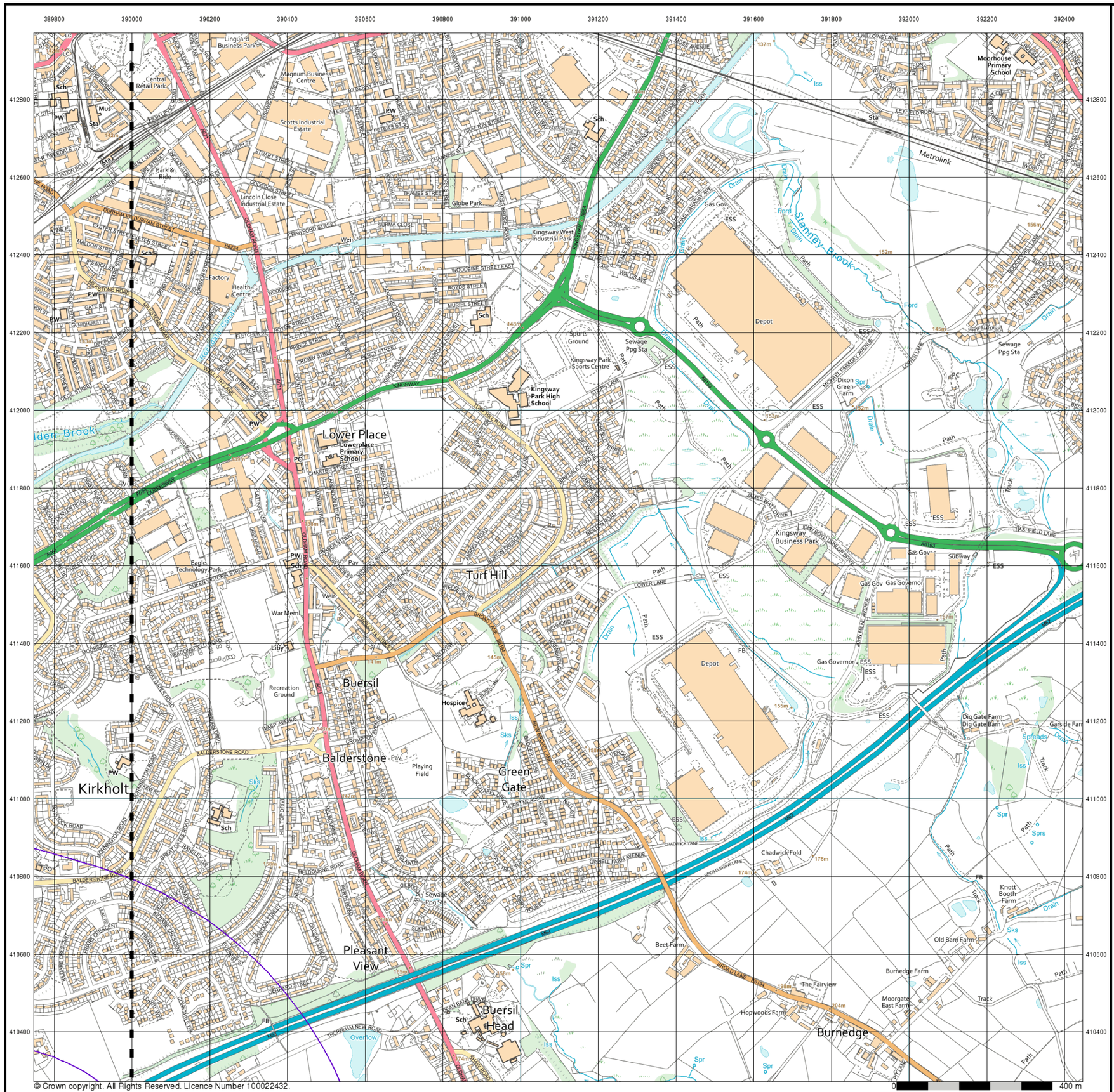
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
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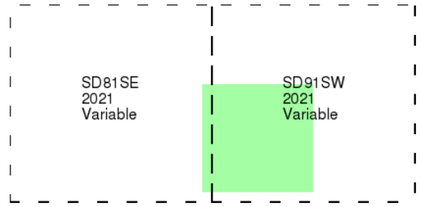
VectorMap Local

Published 2021

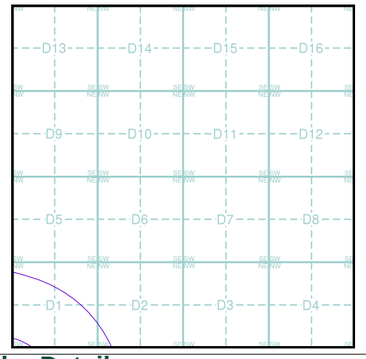
Source map scale - 1:10,000

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 D



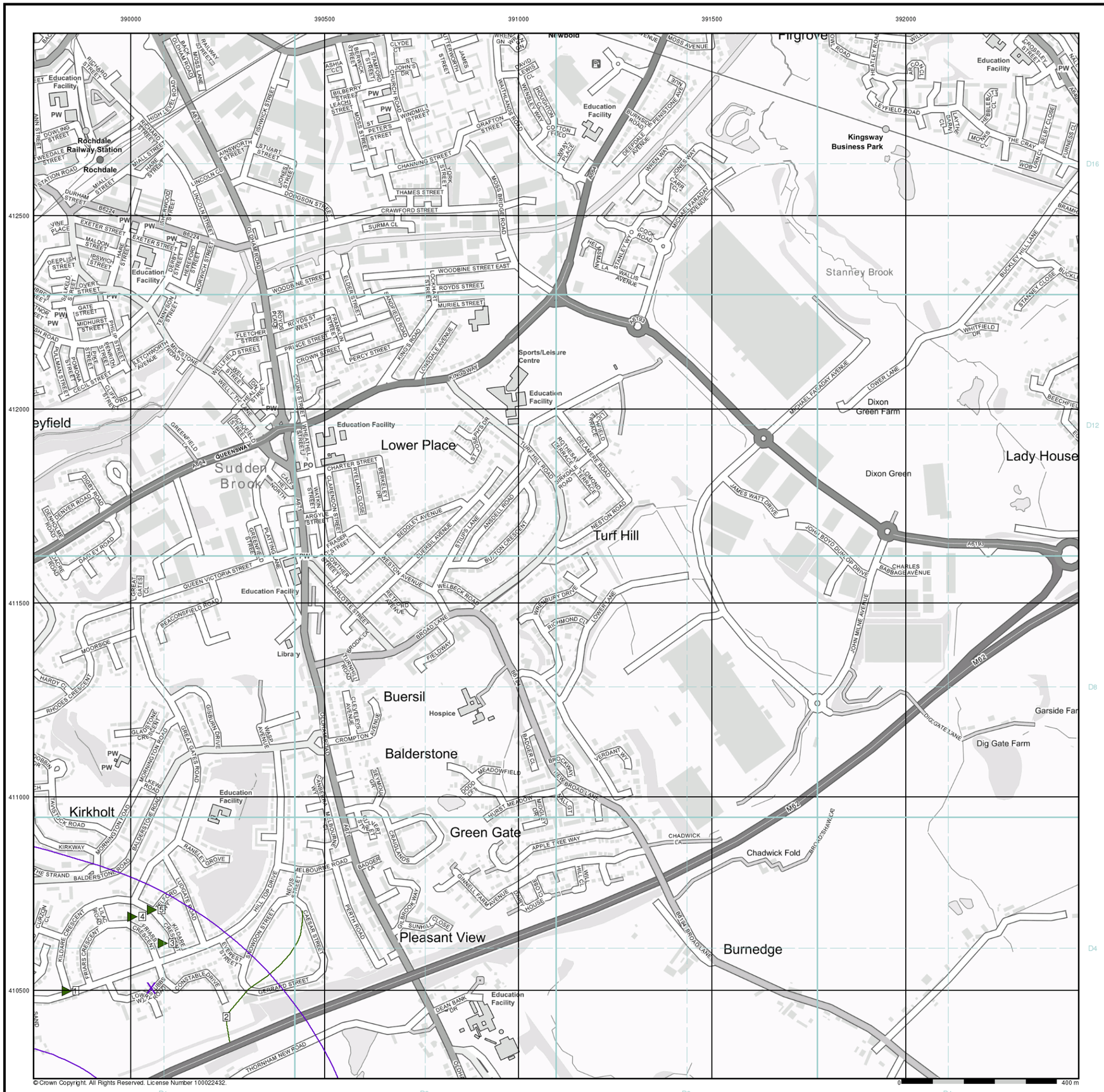
Order Details

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General

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

Several of Type at Location

Agency and Hydrological

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

Hazardous Substances

COMAH Site | Explosive Site | NIHHS Site

- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

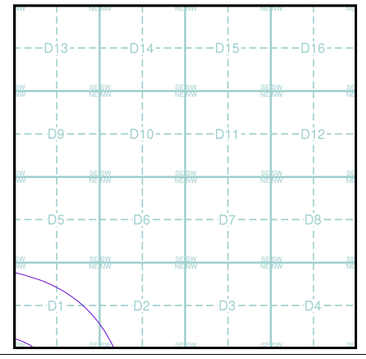
Geological

- 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 - Slice D



Order Details

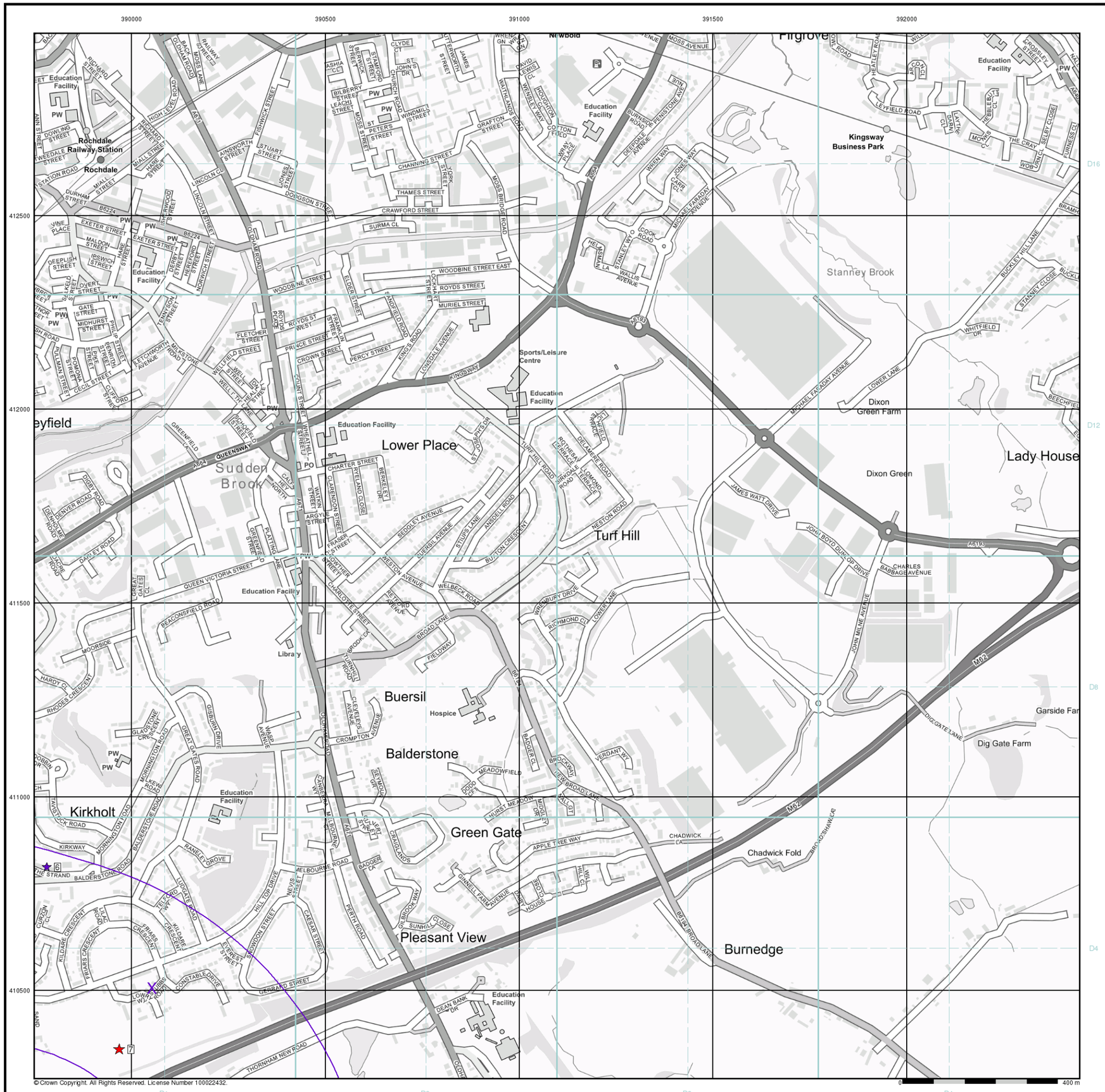
Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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Industrial Land Use Map

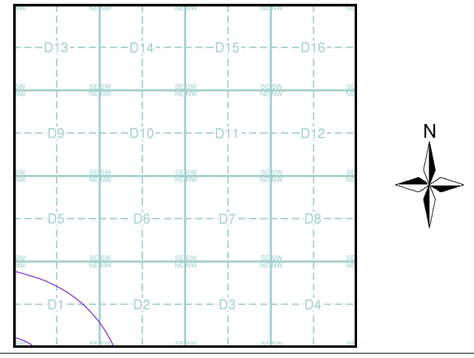
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- 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 D



Order Details

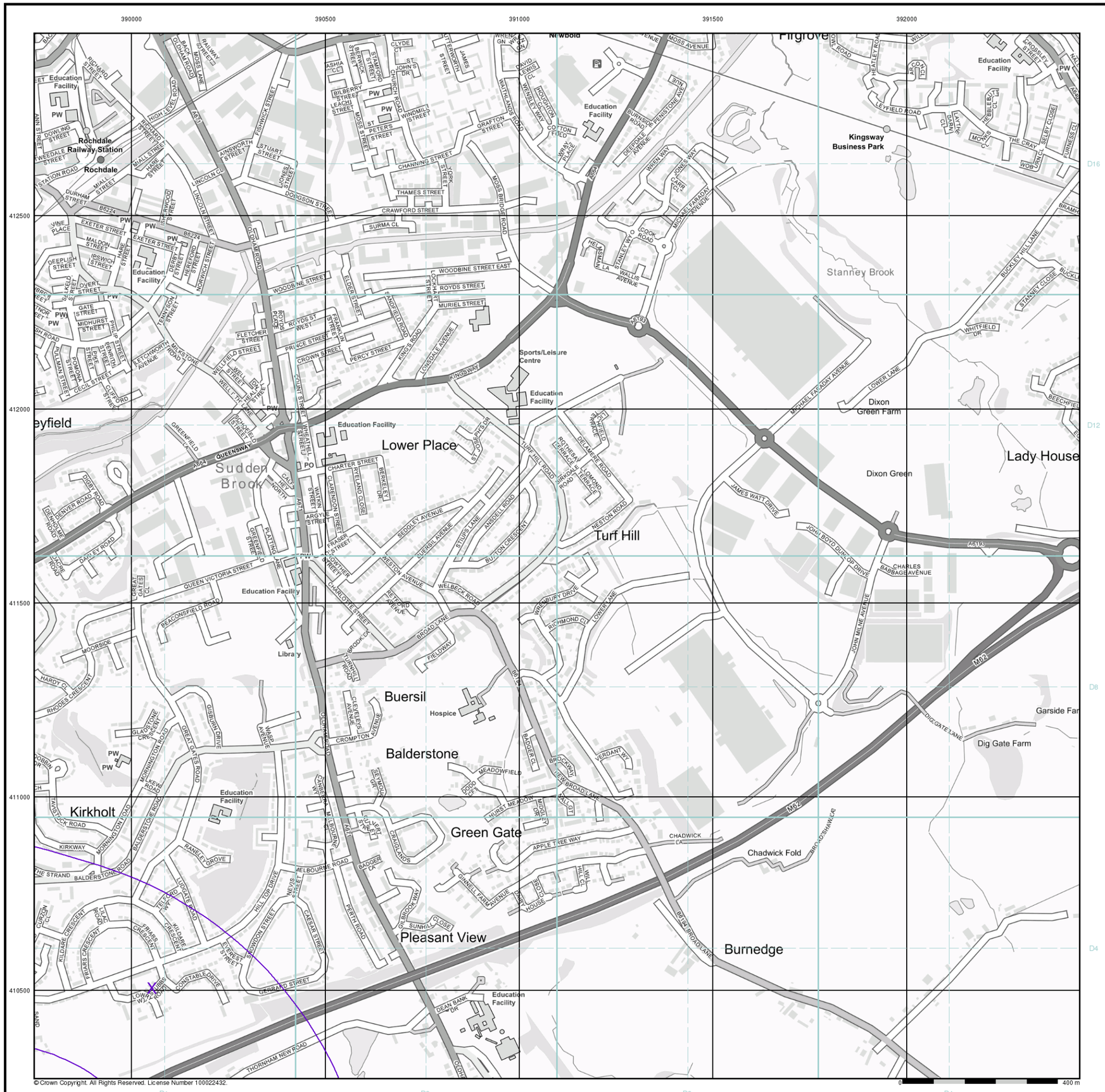
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National Grid Reference:	390050, 410510
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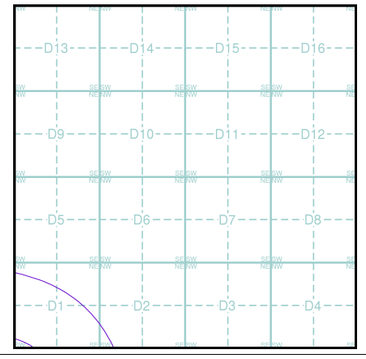
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice D



Order Details

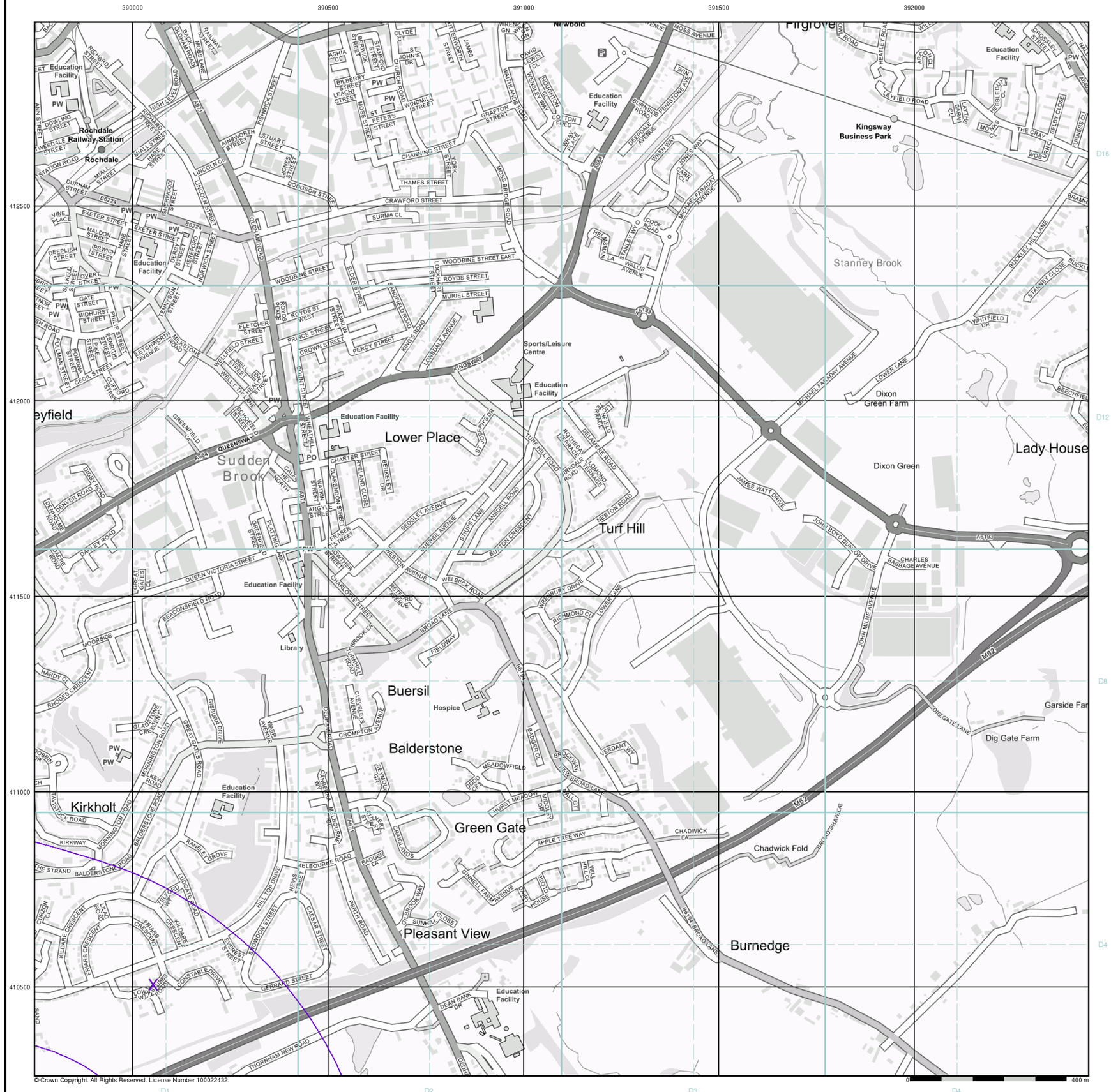
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Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
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General

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

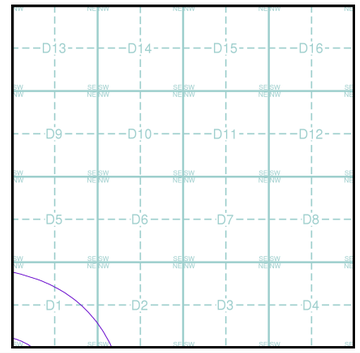
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice D



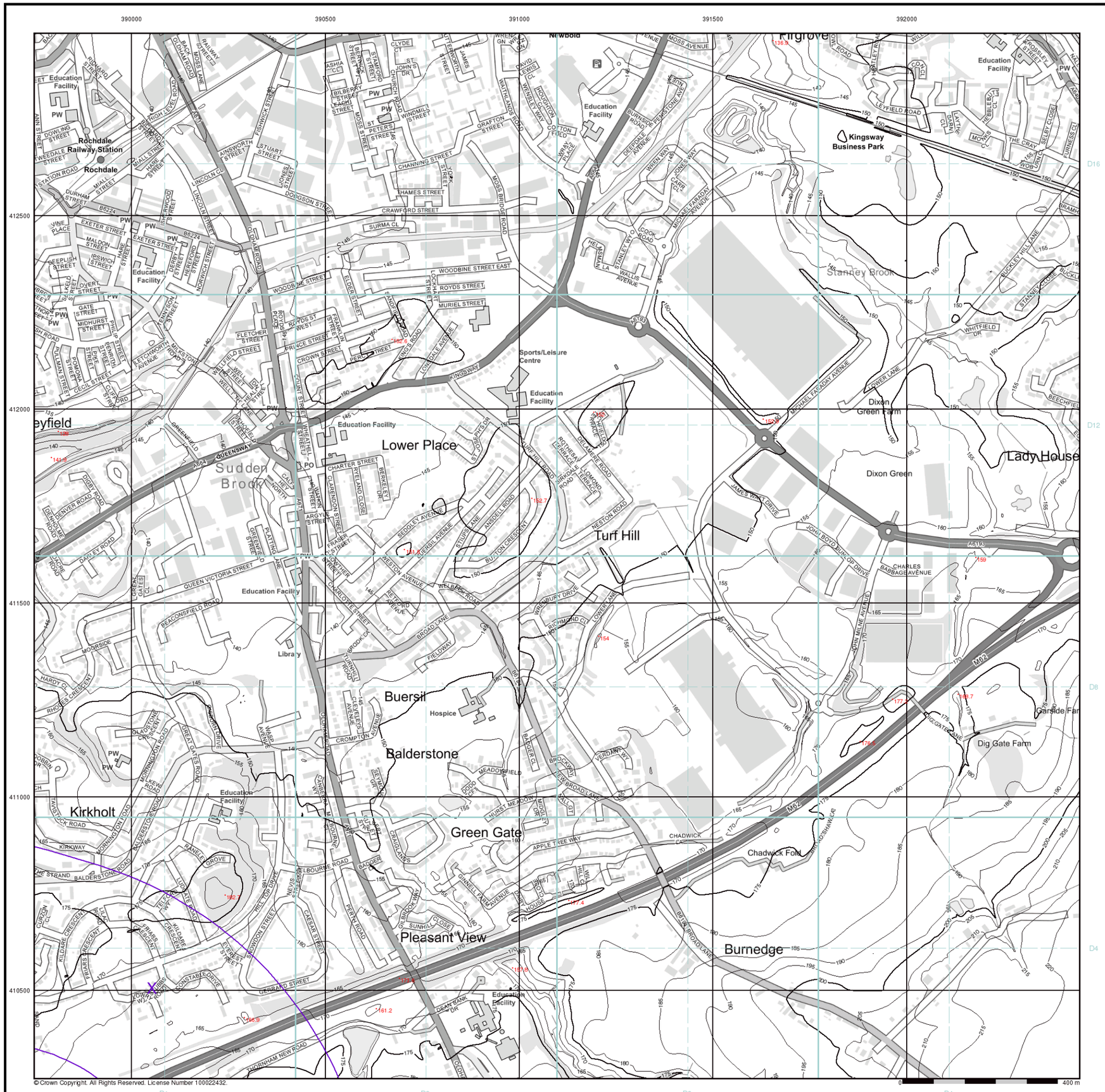
Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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RSK

General

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

OS Water Network Data

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

Contours (height in meters)

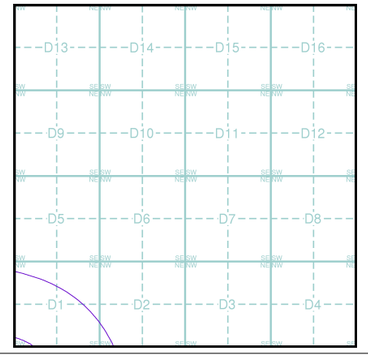
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice D



Order Details

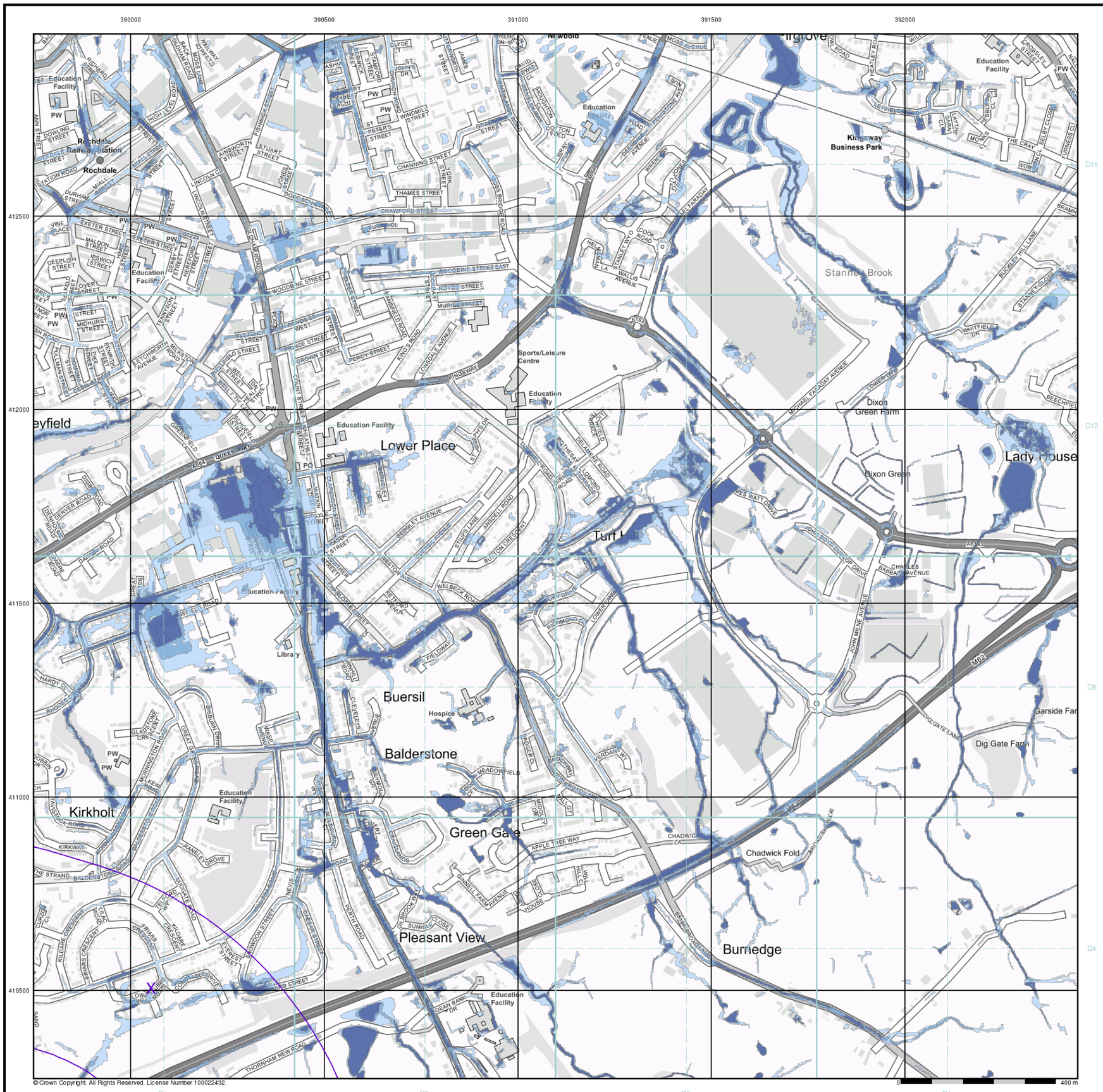
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RSK

General

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

Risk of Flooding from Surface Water

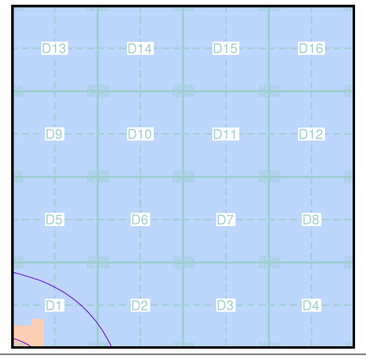
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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 D



Order Details

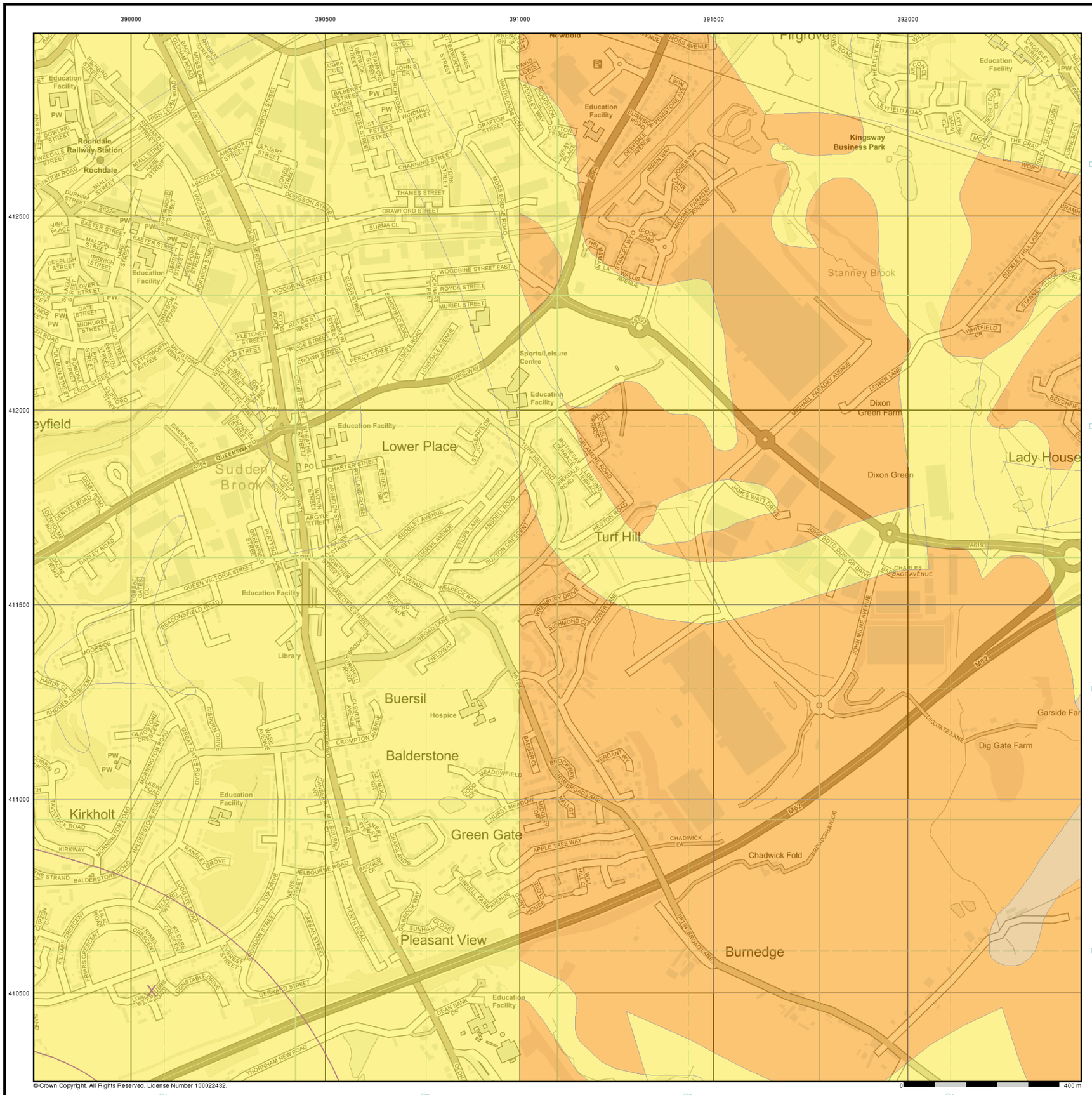
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General

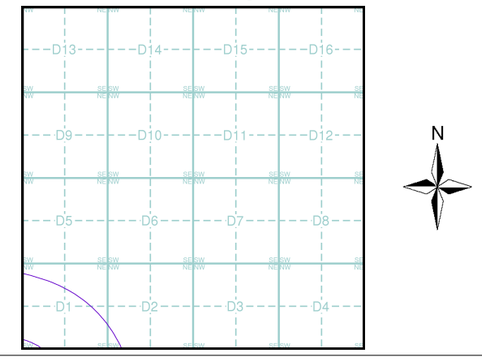
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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 D



Order Details

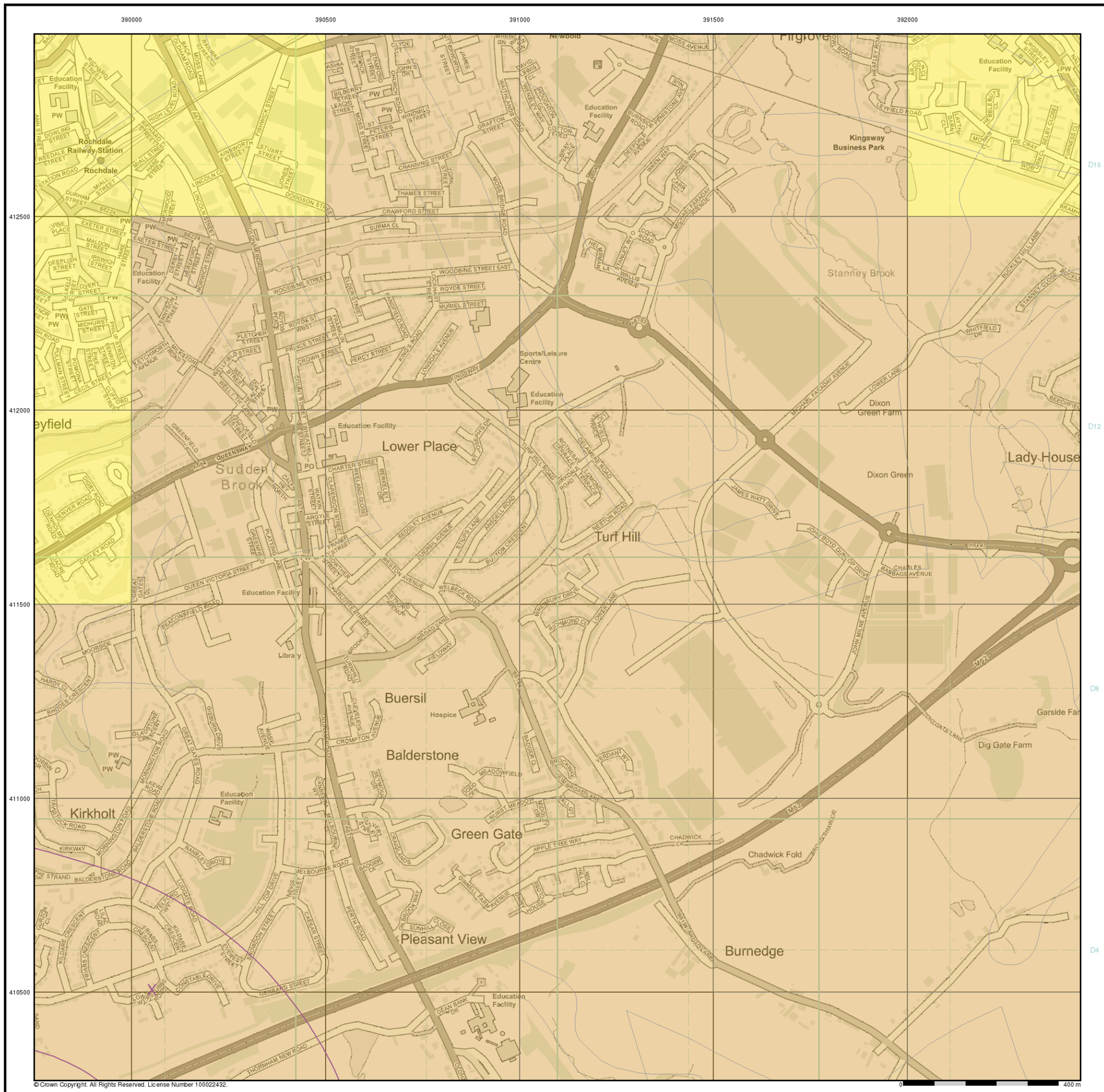
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General

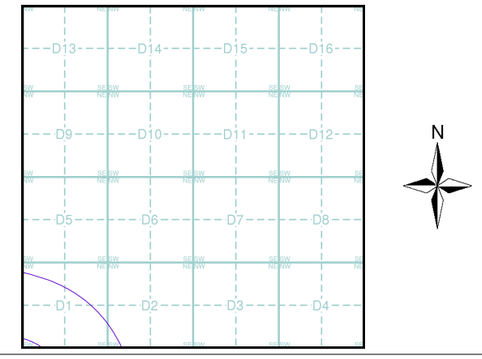
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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 D



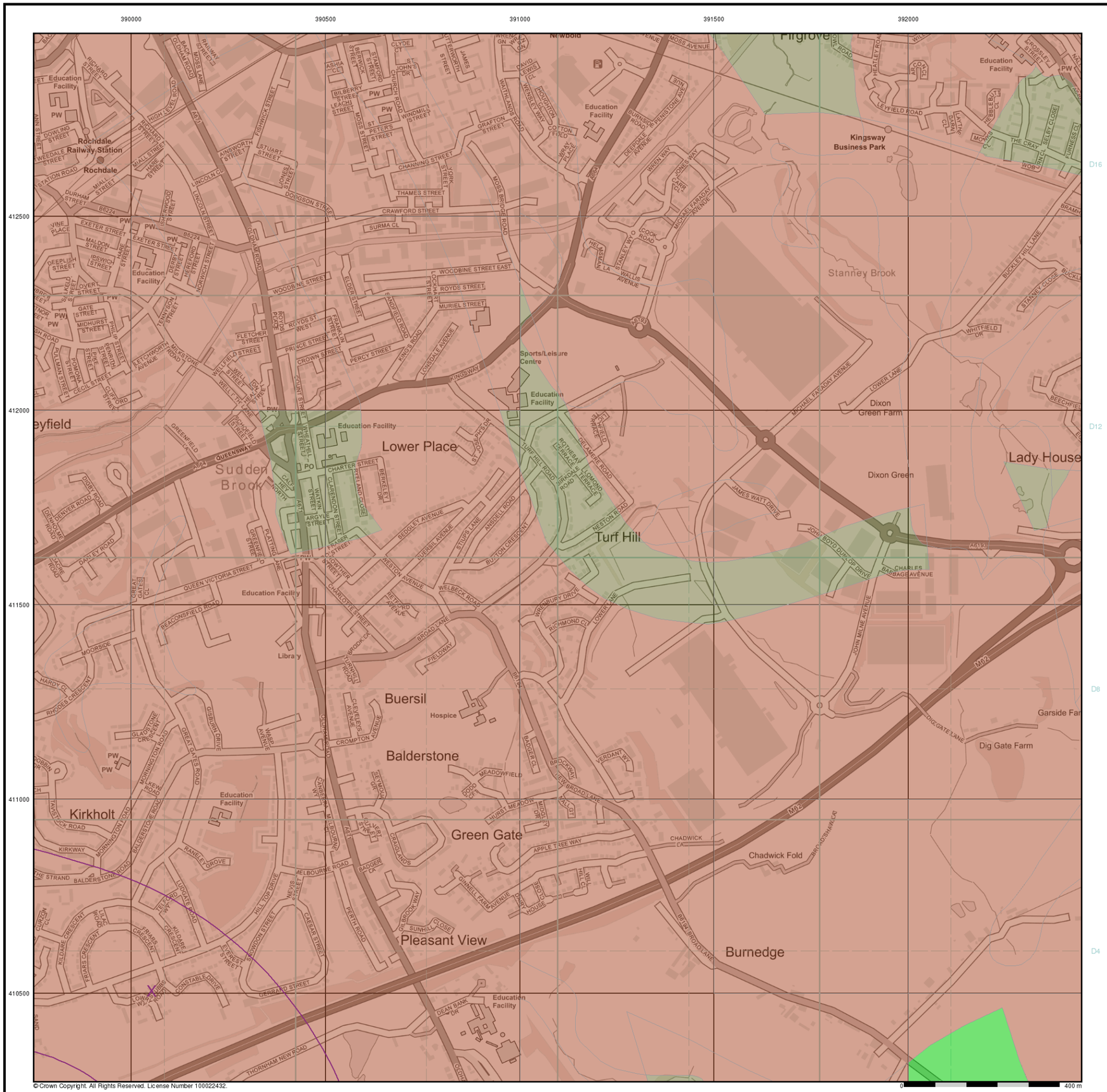
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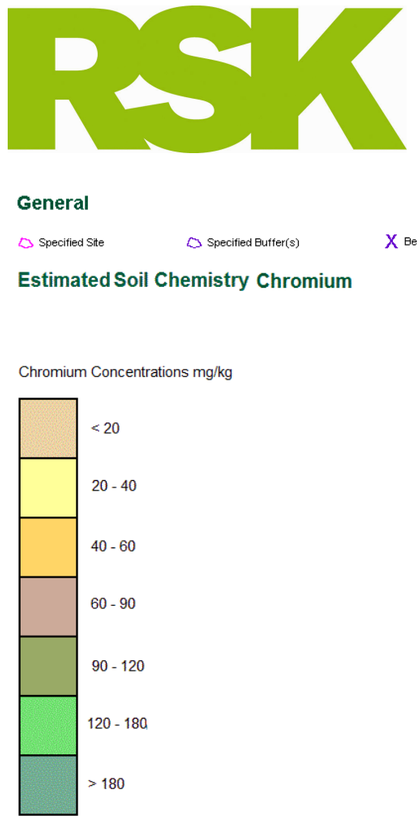
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Site Area (Ha):	95.3
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Site Details

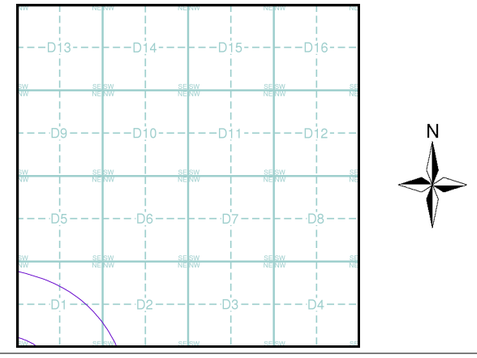
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Estimated Soil Chemistry Chromium - Slice D



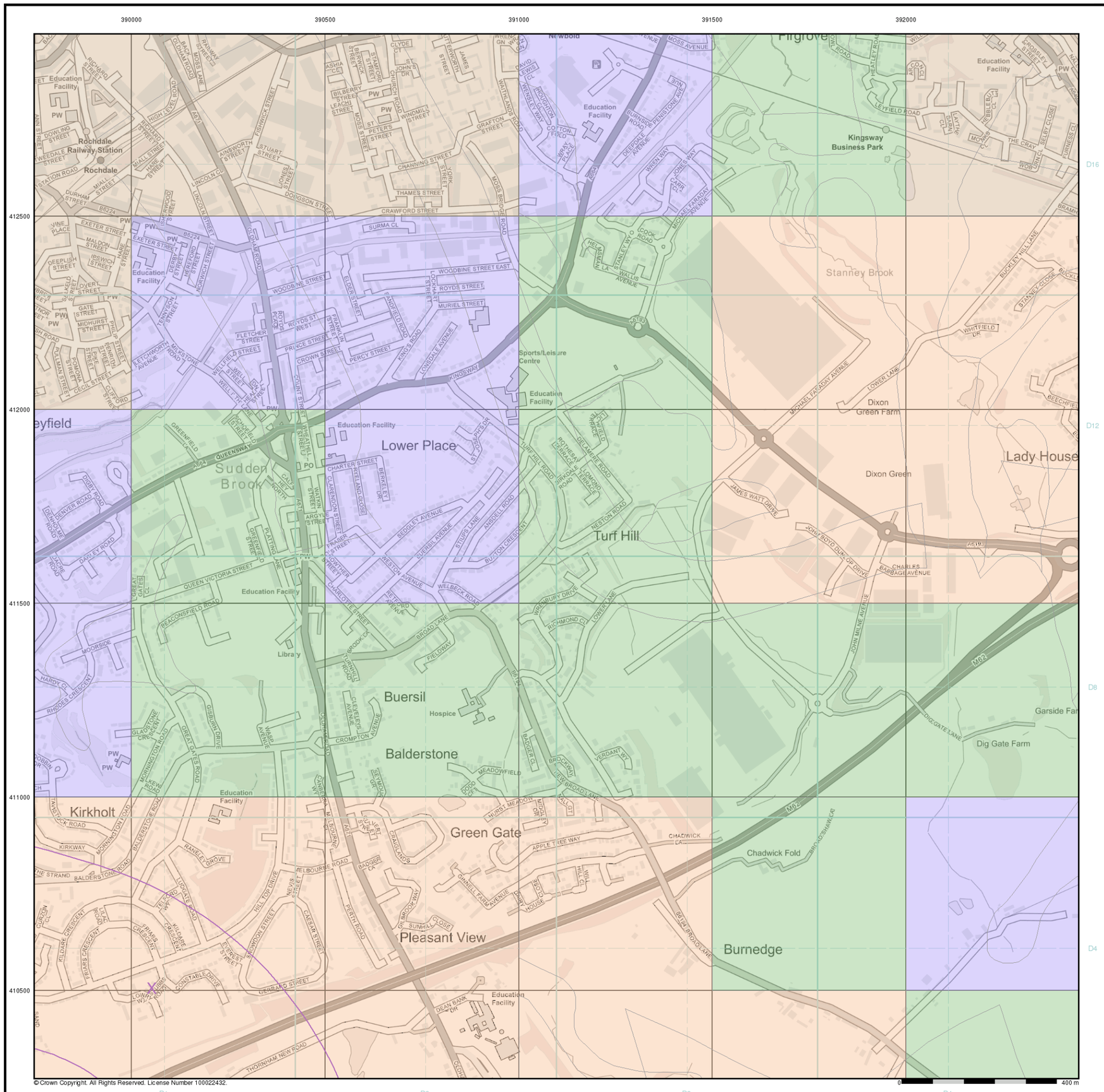
Order Details

Order Details:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
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General

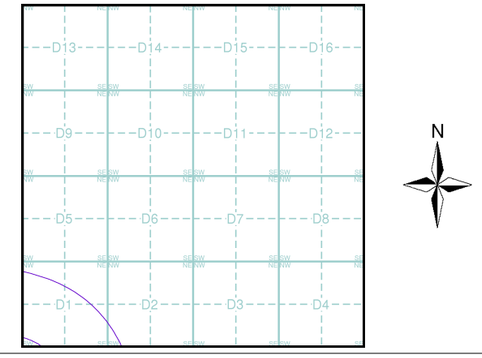
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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 D



Order Details

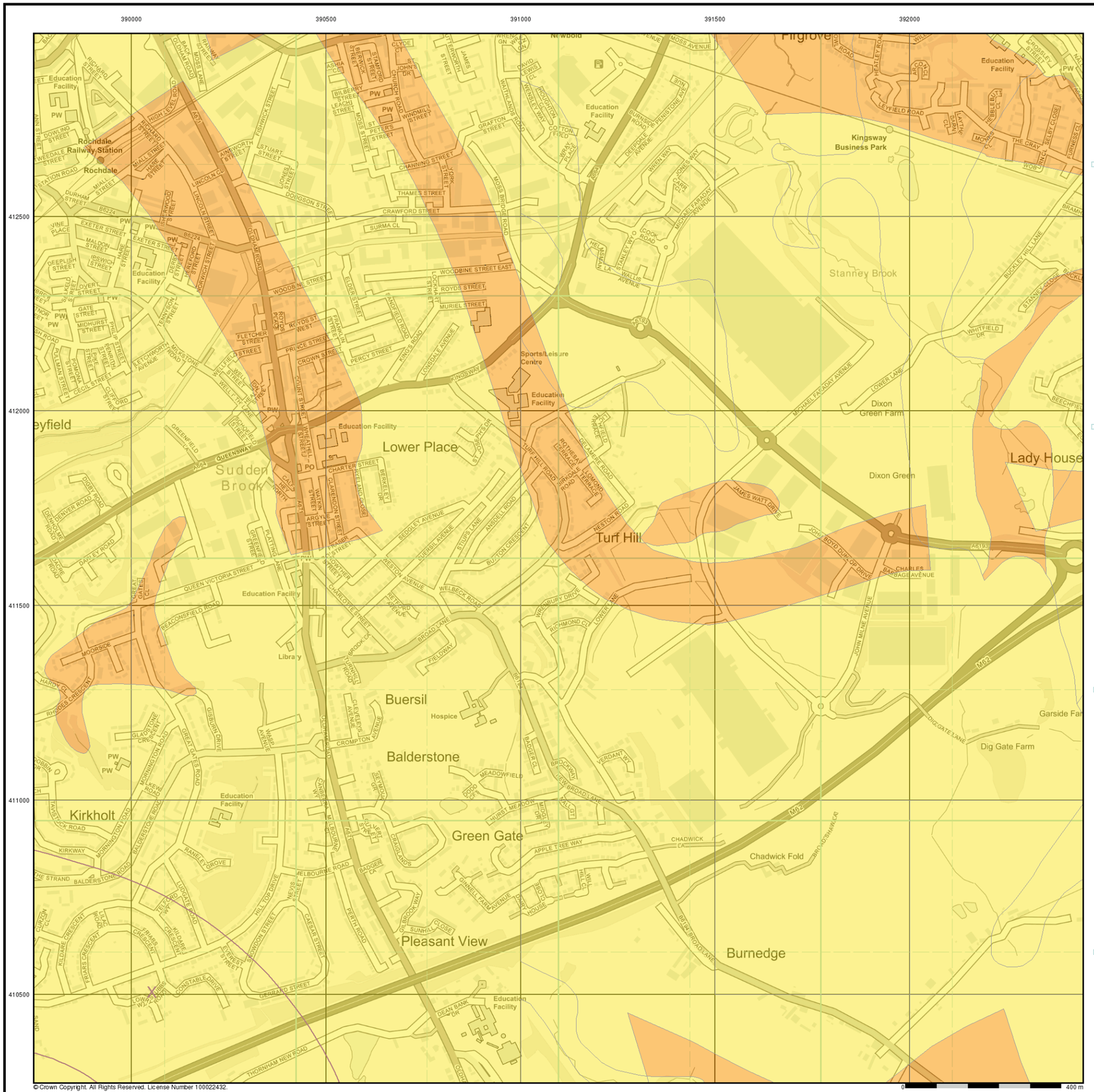
Order Details:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

Landmark INFORMATION GROUP

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



RSK

General

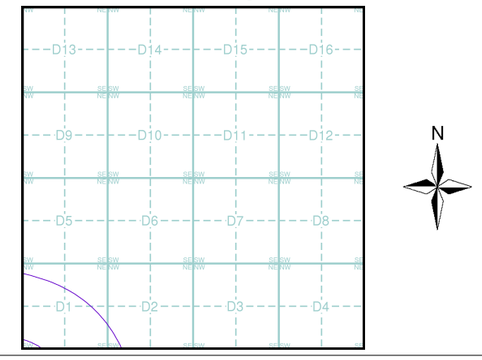
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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 D



Order Details

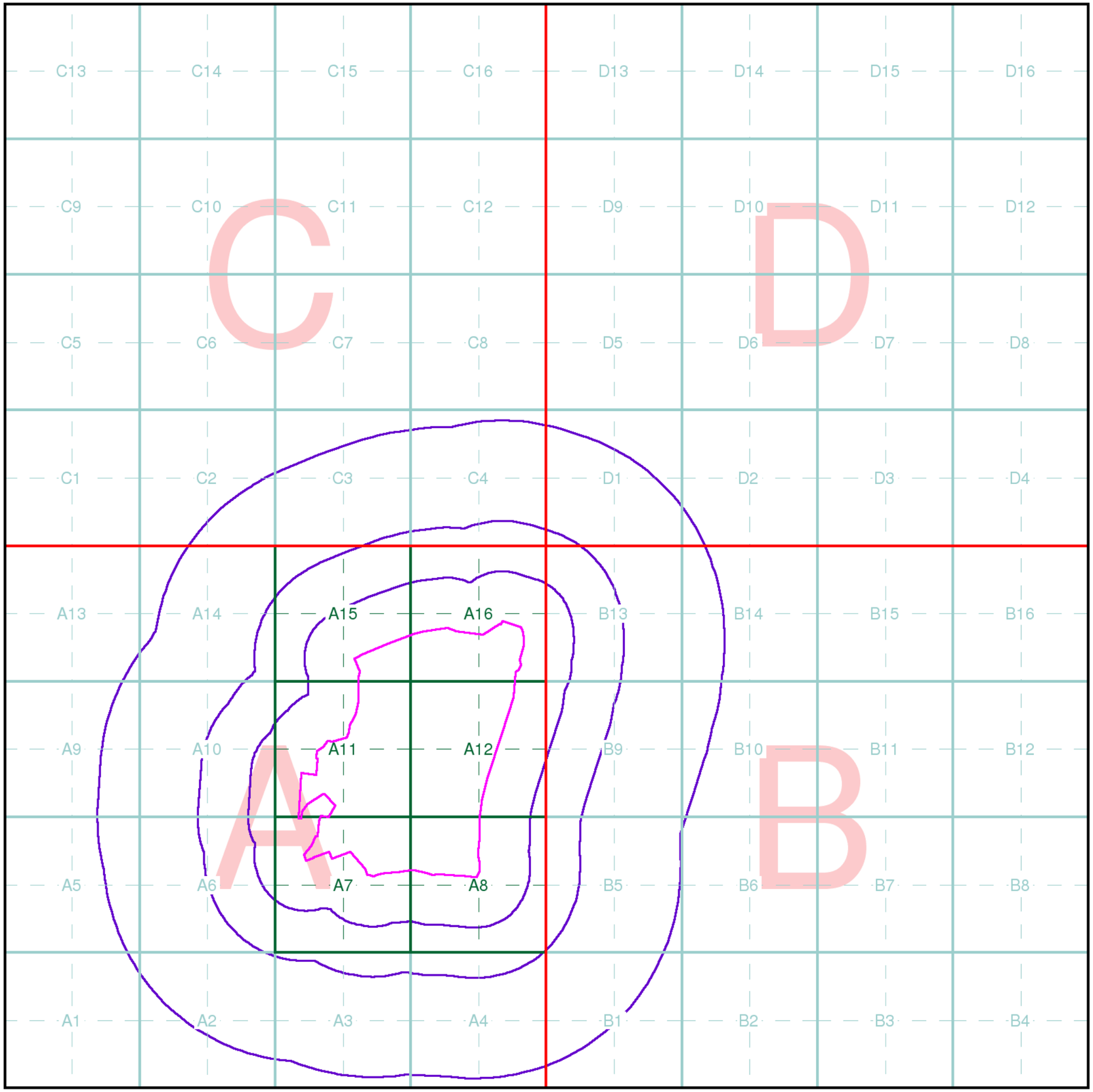
Order Details:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	390050, 410510
Slice:	D
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

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RSK

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.

Client Details

Mr R Newberry, RSK Environment Ltd, Spring Lodge, 172 Chester Road, Helsby, Cheshire, WA6 0AR

Order Details

Order Number:	300522833_1_1
Customer Ref:	322974
National Grid Reference:	389110, 409240
Site Area (Ha):	95.3
Search Buffer (m):	1000

Site Details

Thornfield Farm, Thornham Lane, Middleton, MANCHESTER, M24 2SH

Full Terms and Conditions can be found on the following link:
http://www.landmarkinfo.co.uk/Terms/Show/515

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

APPENDIX D BRITISH GEOLOGICAL SURVEY (BGS) BOREHOLE LOGS

SDBONE/2

ROYTON No. 3. B.H.

Put down by Platt. Bros Oldham. to prove L.M.M

7

[illegible] 1927-8.

Cores examined by L.H.T

Interpretations in red by W.L.

0

60'

120'

180'

240'

260'

300'

Water Lost.

360'

420'

ARLEY MINE 5'0"

432'10"

480'

RIDDLE SCOUT ROCK.

Coal at this horizon in Nos 1 & 2 borings

540'

OLD LAWRENCE ROCK.

Fault cutting out Helpet Edge Rock + Accrington Flaggstones

"Bad faulty ground" 560 - 642

Hole went crooked + had to be cemented up + re-bored.

600'

Pyritous Shale

Upper Foot Mine + Arley Mine absent in No 2. Bh

660'

Fine to coarse Current-bedded Sandstone

Upper Foot Mine Rock

720'

H.B. Top Part of L.M.M at Burnley is found

Carnelly Shale + coal 1'. 780'.

L.M.M.

L.F.M.

Pyritous Shale

780'

Fearnsy Mine Breccia

Medium Grained on whole. Coarse in parts

Current bedded.

Woodhead Hill Rock

840'

900'

Very coarse at base with streaks of coal

960'

UPPER FOOT MINE 10"

1007'10"

Coarse Grit

1020'

Rough Rock

LOWER MOUNTAIN MINE 2'

1035'10".

Coarse Sst.

MILLSTONE GRIT

1051'.

Stanhill Mine

Sandrock Mine

Boring for coal [L.M.M.] visited under the 1926 Act.

SD 80 NE 27

Wt. 17852—8154—5,000 12/26 Gp. 160. O.A.

SECTION OF Boring No. 3 **at** Thornham Estate, Royton
hr. Oldham

Maps: One-inch 85 Six-inch 89 S.W.ⁿ County Lancashire

Height above O.D. Latitude Longitude

Communicated by Visited by L. H. Tonks Date of Sinking 1927-8

Made by Messrs. Vivian's, Whitehaven Dip of Strata About 10°.
for Messrs Platt Bros. Oldham.

	Thickness.		Depth from Surface.		Tm	Dlm
Soil and clay	1	6	1	6		0·415
Sandy clay + stones	3	-	4	6		1·37
Brown clay	7	6	12	-		3·65
Sandy clay	22	-	34	-		10·36
Stiff clay	6	-	40	-		12·19
Loamy sand	16	-	56	-		17·06
Sand	12	3	68	3		20·80
Sand and gravel	27	5	95	8		29·16
Sand and soft coal	6	4	102	-		31·08
Sand, gravel and cobbles	29	-	131	-		39·92
Clay and stones	9	-	140	-		42·67
Sand + soft shattered sandstone	19	-	159	-		48·46
Yellow brown clay	6	-	165	-		50·29
Brown clay with occasional stones	78	-	243	-		74·06
Conglomerate of Blue shale, clay stones and sandstone	5	-	248	-		75·59
Brown clay and cobbles	12	-	260	-		79·24
Bastard shaly fireclay with sandstone	2	-	262	-		79·85
Grey sandy shale	2	4	264	4		80·56
Hard grey sandstone	-	8	265	-		80·77
Alternating bands of blue grey rotten shale with hard jointy sandstone	7	-	272	-		82·90
Hard grey sandstone with beds of shale	4	-	276	-		84·12
Blue sandy shale	3	-	279	-		85·03
Rotten grey fireclay with sandstone nodules	4	-	283	-		86·25
Ironstone band	-	5	283	5		86·38
Fireclay	2	1	285	6		87·02
Grey shale with sandstone	9	-	294	6		89·76
Grey shale with sandstone	21	-	315	6		96·16

GEOLOGICAL SURVEY AND MUSEUM — BORE-HOLES AND SHAFTS

SD 80 NE 2/7 2.

Boring No. 3.
Thornham Estate.
Royton.

Folio

County Lancashire
6 in. Map 89 S.W.

Description.	Thickness. Feet.	Thickness. Inches.	Depth. Feet.	Depth. Inches.	T/m	D/m
Strong jointy sandy shale with ironstone	6	6	322	-		98.14
Grey sandy shale	-	10	322	10		98.39
Grey sandstone	2	6	325	4		99.16
Sandy shale	2	4	327	8		99.87
Sandstone	2	4	330	-		100.58
Sandy shale with vertical joints	9	-	339	-		103.32
Water lost here → Hard jointy sandstone with iron partings.	16	9	355	9		108.43
Grey shale with ironstone bands	14	-	369	9		112.69
Grey sandstone	3	-	372	9		113.61
Hard grey sandstone with black coal streaks	9	-	381	9		116.35
Very hard jointy sandstone.	6	6	388	3		118.33
Grey shale with bands of blue grey shale with ironstone bands	39	9	428	-		130.45
Blue shale with ironstone bands	12	-	440	-		134.11
Rotten black shale.	7	10	447	10		136.49
Coal. ARLEY MINE	5	-	452	10		138.02
Strong fireclay	1	6	454	4		138.47
Grey fireclay	4	6	458	10		139.85
Grey shaly fireclay with ironstone	4	-	462	10		141.07
Black shale with ironstone	2	9	465	7		141.90
Blue black shale	2	5	468	-		142.64
Grey shaly fireclay	4	-	472	-		143.86
Sandy shale	2	-	474	-		144.47
Grey shaly sandstone	3	6	477	6		145.54
Alternate bands of rock and shale	4	6	482	-		146.91
Ironstone band	-	4	482	4		147.01
Dark blue shale	1	2	483	6		147.37
Blue black shale with ironstone	19	-	502	6		153.16
Carbonicolas in blue black shale	5	-	507	6		154.68
Blue black shale	9	-	516	6		157.42
Blue shale	5	4	521	10		159.05
Blue grey shale	2	8	524	6		159.86
Alternate bands of rock and shale	2	6	527	-		160.62
Blue grey shale	7	-	534	-		162.76
Carbonicolas in blue grey shale.	3	6	537	6		163.83
Dark blue jointy shale.	8	-	545	6		166.26
Blue black shale	2	-	547	6		166.87
Strong sparry sandstone with grey black shaly joints	3	3	550	9		167.86
Blue sandy shale	4	3	555	-		169.16
Grey jointy shale with two hard bands of rock	4	6	559	6		170.53
Bad Faulty Ground — Rotten grey shale	10	6	570	-		173.73
Grey shale & spar	4	-	574	-		174.95
Rotten grey shale	65	-	639	-		194.76
Rotten grey blue shale	3	-	642	-		195.68
Blue grey shale with pyrites	11	6	653	6		199.18
Grey shaly sandstone	21	6	674	-		205.43
Hard grey gritty sandstone	38	-	712	-		217.01
Blue shale	17	-	729	-		222.19
Shale, Cannelly with light coal.	1	-	730	-		222.50
Strong fireclay	2	6	732	6		223.26

(B12267) Wt. 13119A—0014 5000 9.27 Gp. 160 O.A.

Boring No. 3.
Thornham Estate.
Royton.

GEOLOGICAL SURVEY AND MUSEUM. BOREHOLE AND SHAFTS.

SD 80 NE 27 3.

Folio

County Lancashire
6 in. Map 89 S.W.

Description.	THICKNESS. Feet.	THICKNESS. Inches.	DEPTH. Feet.	DEPTH. Inches.	T/m	O/m
Dark shaly fireclay	1	6	734	-		223.72
Black shale	2	6	736	6		224.48
Blue grey shale with pyrites	3	6	740	-		225.55
Strong grey fireclay	2	6	742	6		226.31
Dark blue shale	11	6	754	-		229.81
Blue & grey shale with ironstone band & pyrites	8	-	762	-		232.25
Dark blue shale	9	6	771	6		235.15
Strong grey fireclay	4	6	776	-		236.52
Dark blue shale	-	8	776	8		236.72
Strong grey fireclay	2	10	779	6		237.59
Grey shaly fireclay	10	-	789	6		240.63
Grey shaly sandstone with shale beds	8	6	798	-		243.23
Grey jointy sandstone, spar & shale streaks	2	-	800	-		243.84
Hard grey sandstone wedgy pieces of spar	20	-	820	-		249.93
Lost water 900' to 905' Hard sandstone rock	80	-	900	-		274.32
Hard jointy sandstone	14	-	914	-		278.58
Hard sandstone with coal streaks	16	-	930	-		283.46
Hard jointy sandstone	6	-	936	-		285.29
Blue shale	56	6	992	6		302.51
Grey & blue shale with ironstone bands	13	6	1006	-		306.62
Blue shale with marine band Pyritous nodule at base	1	-	1007	-		306.93
Coal. ~~Upper Foot Mine~~ Str. M.	-	10	1007	10		307.18
Fireclay	1	6	1009	4		307.64
Fine grained sandstone	1	6	1010	10		308.10
Medium to coarse sandstone & grit	20	2	1031	-		314.24
Grey shale (vegetable fossils)	2	10	1033	10		315.11
~~Lower Foot Mine~~ SR.M	2	-	1035	10		315.72
Hard gannister	2	2	1038	-		316.38
Coarse grained sandstone	20	-	1058	-		322.47

British Geological Survey

(B12267) Wt. 13119A—0014 5000 9.27 Gp. 160 O.A.

RECORD OF WELL (SHAFT OR BORE)

SD 80 NE 3 10

1" O.S. 88 12
6" O.S.
Grid Ref.

At Slattocks No.1 Borehole.

Town or Village Middleton County Lancs. Six-inch quarter sheet 88 SE.E.

Exact site ... in parish of ... (A rough sketch-map or a tracing from a map is very desirable)

Level of ground surface above sea-level (O.D.) ... ft. If well starts below ground surface, state how far ... ft.

Shaft ... ft., diameter ... ft. Bore ... ft. Diameter of bore: at top ... ins.; at bottom ... ins.

Details of permanent lining tubes (internal diameters preferred) ...

Water struck at depths of (feet) ...

Rest-level of water below / above top of well ... feet. Suction at ... feet. Yield on ... hours' / days' test ... gallons per ... (with pump of capacity ... g.p.h.); depressing water level to ... feet below top. Time of recovery ... hrs. Amount normally pumped daily ... g.p.h. for ... hours.

Quality (attach copy of analysis if available) ...

Sunk by ... for Mr. ... Date of well 1913

Information from Chamber Colliery Co. Ltd.

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).	THICKNESS Feet.	THICKNESS Inches.	DEPTH Feet.	DEPTH Inches.	T/m	D/m
	Soil	1	6	1	6		0.45
	Boulder Clay	38	6	40	-		12.19
	Sand	12	-	52	-		15.84
	Brown clay	11	-	63	-		19.20
	Sand	192	-	255	-		77.72
	Blue clay with pebbles (base of drift)	9	6	264	9		80.69
	Broken shale with COAL		6	265	-		80.77
	Blue shale	4	-	269	-		81.99
	Grey sandstone	23	-	292	-		89.00
	Blue shale	6	-	298	-		90.83
	Blue shale with ironstone balls	18	10	316	10		96.56
	Soft blue shale	6	6	323	4		98.55
	Grey sandstone	11	-	334	4		101.90
	Broken blue shale with ironstone balls	9	-	343	4		104.64
	Dark blue shale " " "	12	4	355	8		108.40
	Blue shale " " "	12	-	367	8		112.06
	Blue shale with broken bands	7	-	374	8		114.19
	Dark blue shale with iron bands	9	-	383	8		116.94
	Black shale	1	6	385	2		117.39
	Soft black shale		6	385	8		117.55
	Black shale	8	9	394	5		120.21
	COAL)		6	394	11		120.37
	Parting) ARLEY MINE: 5 ft. 10½ ins.		½	394	11½		120.38
	COAL)	1	11½	396	11		120.98
	Parting) at 400 ft. 3½ ins.		½	396	11½		120.99
	COAL)	3	4	400	3½		122.00
	Fireclay	2	2½	402	6		122.68
	Blue and grey shale with iron bands	5	6	408	-		124.35
	Broken black shale " " "	2	3	411	6		125.42
	Fireclay	2	3	413	9		126.11
	COAL Inferior		7	414	4		126.28
	Fireclay with iron nodules	1	6	415	10		126.74
	Strong grey bind with iron balls	5	2	421	-		128.32
	Blue and grey sandstone	3	-	424	-		129.23
	Strong grey bind	11	6	435	6		132.74
	Broken shale & spar	5	-	440	6		134.26
	Blue sandy shale with MUSSELS	17	6	458	-		139.59
	Blue shale with iron bands	10	6	468	6		142.79.
	Bottom of hole						

British Geological Survey

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

For Survey use only

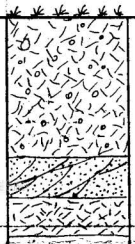
Date received	G.S.M. Office File No.	Site marked on 1" map (use symbol)

(*11815) Wt.29051/O.369 10,000 9/39 A.& E.W.Ltd. Gp.686

SD80NE/3 110

BOREHOLE AT SLATTOCKS, MIDDLETON.

885.Ft



Boulder clay

Sand

Brown clay

60'

120'

Sand.

180'

240'

Blue clay with pebbles.
Base of drift. 264'6".

300'

360'

Coal 6"
Parting 4"
Coal 7" 11"
Parting 4"
Coal 3" 6"
} ARLEY MINE. 5'10½"

400ft 8 fms.

Coal 7'

420'

Broken shale repos.

18' to 1st Coal
48' to Top of

468'6"

Name of site

SLATTOCKS BOREHOLE Nº 1.
MIDDLETON.

W R B No.

SD80/114

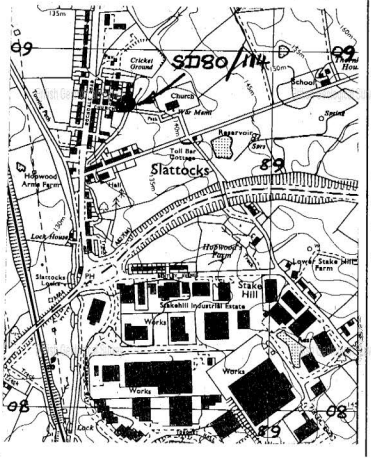
Owner	Licence no. Appn no. Cancelled	Nat. grid ref.	SD 8859 - 0886
Occupier	IGS ref. no. SD80 NE/3.	Status	BOREHOLE.
Ground Level m OD ft. OD		Aquifer	
Level of well top m OD ft. OD		Code	
Rest water level m bwt ft. bwt		Summary of geological section	Thickness / Depth
(Date) m OD ft. OD		BOREHOLE LOG AVAILABLE.	
Construction: Method	Date 1913		

Depth bwt	Dia.	Linings (below well top) From	To	Dia.	Type
468'					

Abstraction rates	Type of pump		
gph PWL	Chem./bact. anal. YES/NO		
gpd	Well driller JOHN THOM.		

If insufficient space has been allowed, continue in 'Notes' overleaf.

Lockie 162



SD80/114 Notes SLATTOCKS BH Nº 1

This borehole was originally unsited & registerd on SD81/49A.

8.8.2000 - BGS have identified this borehole as being in grid square SD80 at NGR SD8859 - 0886 & has therefore been re-registerd under the above WRB Nº — DCP 9.3.2000

See borehole file for Bh log.

Register + V.I. amended accordingley.

Copy of white card + site map sent to BGS on 10-3-2000 DCP.

transferred to SD80 Ref 29.2.00 SD81/49A

RECORD OF WELL (SHAFT OR BORE)

1" N.S. 85
1" O.S.
Grid Ref. 10

At Slattocks No.1 Borehole. SD 8859 0886

Town or Village Middleton County Lancs. Six-inch quarter sheet 88 SE.E.

Exact site (A rough sketch-map or a tracing from a map is very desirable)

in parish of SD 80 NE/3

Level of ground surface above sea-level (O.D.) ft. If well starts below ground surface, state how far ft.

Shaft ft., diameter ft. Bore ft. Diameter of bore: at top ins.; at bottom ins.

Details of permanent lining tubes (internal diameters preferred) SD80/114

Water struck at depths of (feet)

Rest-level of water below / above top of well feet. Suction at feet. Yield on hours' / days' test gallons per (with pump of capacity g.p.h.); depressing water level to feet below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.

Quality (attach copy of analysis if available)

Sunk by for Mr. Date of well 1913

Information from Chamber Colliery Co. Ltd.

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).	THICKNESS Feet.	THICKNESS Inches.	DEPTH Feet.	DEPTH Inches.
	Soil	1	6	1	6
	Boulder Clay	38	6	40	-
	Sand	12	-	52	-
	Brown clay	11	-	63	-
	Sand	192	-	255	-
	Blue clay with pebbles (Base of drift)	9	6	264	6
	Broken shale with COAL		6	265	-
	Blue shale	4	-	269	-
	Grey sandstone	23	-	292	-
	Blue shale	6	-	298	-
	Blue shale with ironstone balls	18	10	316	10
	Soft blue shale	6	6	323	4
	Grey sandstone	11	-	334	4
	Broken blue shale with ironstone balls	9	-	343	4
	Dark blue shale " " "	12	4	355	8
	Blue shale " " "	12	-	367	8
	Blue shale with broken bands	7	-	374	8
	Dark blue shale with iron bands	9	-	383	8
	Black shale	1	6	385	2
	Soft black shale		6	385	8
	Black shale	8	9	394	5
	COAL)		6	394	11
	Parting) ARLEY MINE: 5 ft. 10½ ins.		½	394	11½
	COAL)	1	11½	396	11
	Parting) at 400 ft. 3½ ins.		½	396	11½
	COAL)	3	4	400	3½
	Fireclay	2	2½	402	6
	Blue and grey shale with iron bands	5	6	408	-
	Broken black shale " " "	2	3	411	6
	Fireclay	2	3	413	9
	COAL Inferior		7	414	4
	Fireclay with iron nodules	1	6	415	10
	Strong grey bind with iron balls	5	2	421	-
	Blue and grey sandstone	3	-	424	-
	Strong grey bind	11	6	435	6
	Broken shale & spar	5	-	440	6
	Blue sandy shale with MUSSELS	17	6	458	-
	Blue shale with iron bands	10	6	468	6
	Bottom of hole				

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

For Survey use only

Date received	G.S.M. Office File No.	Site marked on 1" map (use symbol)

(*11815) Wt.29051/G.859 10,000 9/59 A.& E.W.Ltd. Gp.666

British Geological Survey

Name of site: Slattocks No. 1

W R B No.: SD 81/49A (moved to SD80/114 see overleaf)

Owner	Licence no. Appn no.	Nat. grid ref.	SD [illegible]
Occupier	IGS ref. no. SE 8 SE 10	Status	SEE NOTE OVERLEAF
Ground level m OD ft. OD		Aquifer	
Level of well top m OD ft. OD		Code	
Rest water level m bwt ft. bwt		Summary of geological section	Thickness / Depth
(Date) m OD ft. OD			
Construction: Method Date		BH LOG AVAILABLE	

Depth bwt	Dia.	Linings (below well top) From	To	Dia.	Type

Abstraction rates	Type of pump	
gph PWL	Chem./bact. anal. YES/NO	
gpd	Well driller	

If insufficient space has been allowed, continue in 'Notes' overleaf.

I/6/79/207

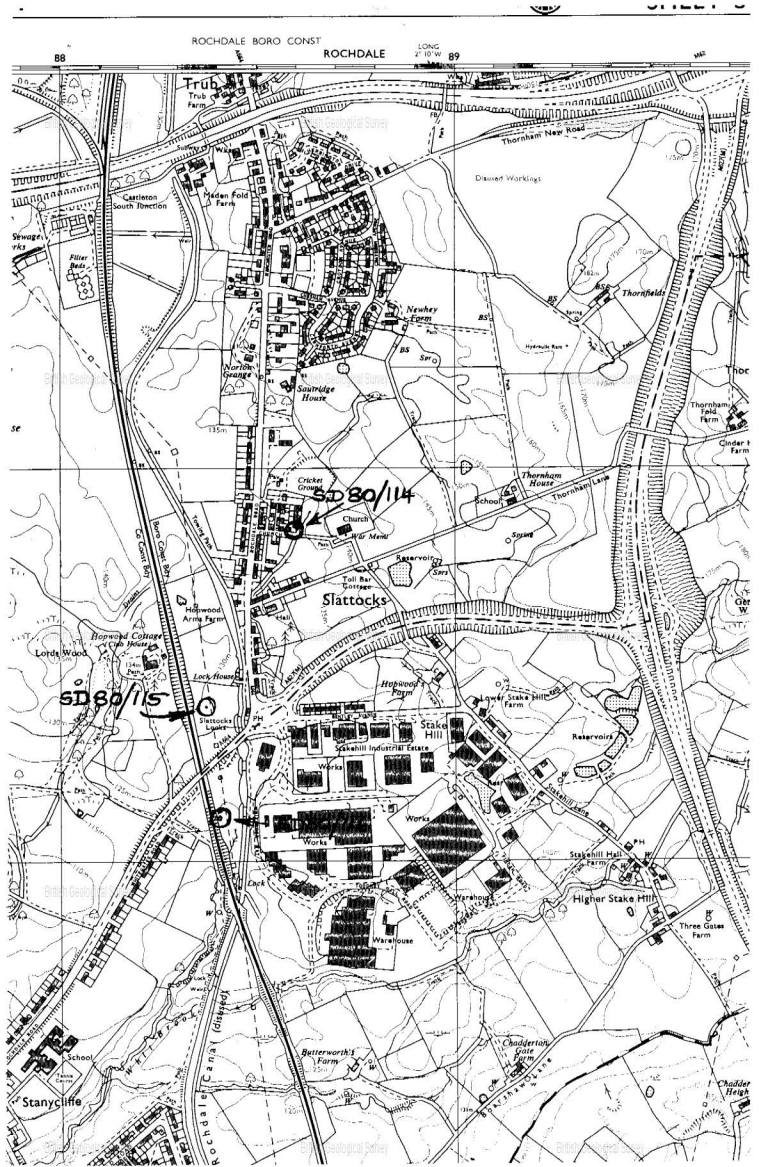
Site Plan

SD81/49A Notes SLATTOCKS No 1.

8-3-2000 — This bh was originally unsited. The BGS have now identified this bh as being in SD80 & has been given the WRB No SD80/114. See bh file SD80/114 for bh log — DCP 8·3·2000

Register + V.I. amended accordingly.

British Geological Survey


ROCHDALE BORO CONST
ROCHDALE
LONG 2° 10' W
88
89
Trub
Trub Farm
Thornham New Road
Disused Workings
Castleton
South Tonicton
Holden Fold Farm
Sewage Works
Filter Beds
Newhey Farm
Thornfields
Norton Grange
Sourdridge House
Thornham Fold Farm
Cinder Farm
Cricket Ground
SD 80/114
Church
Wtr Mill
Thornham House
Thornham Lane
School
Reservoirs
Toll Bar Cottage
Slattocks
Hollywood Arms Farm
Hollywood Cottage
Club House
Lords Wood
Lock House
SD 80/115
Slattocks Locks
Hollywood Farm
Lower Stake Hill Farm
Stakehill Industrial Estate
Stake Hill
Works
Reservoirs
Stakehill Lock
Stakehill Hall Farm
PH
Higher Stake Hill
Three Gates Farm
Warehouse
Lock
Rochdale Canal (disused)
Butterworth's Farm
Chadderton Estate
Chadderton Heights
School
Stanycliffe
Rochdale Canal (disused)

Section drawn 4/1/24. 8848 1039

(622) Wt 5990—S.33 2000 6/22 Gp. 147 M.R.Co.Ltd. Reg.

SECTION OF Borehole at Messrs Castleton Brewery Co. Ltd. Castleton. Nr. Rochdale.

Maps: One-inch SD 81 SE 9 Six-inch County Lancashire 19

Height above O.D. 460 ft. Latitude 53°-35'-19" Longitude 2°-10'-30"

Communicated by Thomas Matthews Ltd. Pendleton. Date of sinking

Made by Drawing NH 76. Dip of Strata

	Thickness. ft	in	Depth from Surface. ft.	in	T/m	Depth/m
Not given.	28	–	28	–		8.53
Marl = prob. = clay	16	–	44	–		13.41
Sand & Gravel	6	–	50	–		15.24
Marl & pebbles	3	–	53	–		16.15
Marl	4	–	57	–		17.37
Marl & pebbles	3	–	60	–		18.29
Marl	21	–	81	–		24.69
Grey rock (Boulder)	–	6"	81	6		24.84
Marl with sand & pebbles	98	6	180	–		54.86
Loam	4	–	184	–		56.08
Sand	32	–	216	–		65.84
Sandy Loam & gravel	15	–	231	–		70.41
Quicksand	8	–	239	–		72.85
Gravel	2	–	241	–		73.46
Quicksand	14	–	255	–		77.72
Gravel	2	–	257	–		78.33
Blue clay with stones	10	–	267	–		81.38
Blue Shale — Base of drift	88.3					
Blue rock	65	–	332	–		101.19
Grit rock	18	–	350	–		106.68
Blue shale	15	–	365	–		111.25
Black shale	5	–	370	–		112.78
Grey shale	80	–	450	–		137.16
Grey rock	12	–	462	–		140.82
Dark rock	28	–	490	–		149.35
	3		493	–		150.27

Analysis Rec'd by Messrs T. Matthews Aug 22nd 1899

Carbonate of Lime	4.99	grains per gallon
" Magnesia	3.15	4.5
" Iron	.76	
Sulphate of Soda	.99	1.4
Chloride of Sodium	1.96	2.8
Silicate of Soda	1.64	
Carbonate of Soda	11.74	16.8
Total solids	25.23	

Temporary hardness 7/9 = 2.40. Permanent 2.4 = 1/100,000 hardness: Nil.

RECORD OF WELL SHAFT OR BORE 669

28
1" N.S. 85
1" O.S.
Grid Ref. 9

At Messrs. Castleton Brewery, Co. Ltd., Castleton

Town or Village Rochdale County Lancs. Six-inch quarter sheet 88 SE.E.

Exact site (A rough sketch-map or a tracing from a map is very desirable)

in parish of

Level of ground surface above sea-level (O.D.) 460 ft. If well starts below ground surface, state how far ft.

Shaft ft., diameter ft. Bore ft. Diameter of bore: at top ins.; at bottom ins.

Details of permanent lining tubes (internal diameters preferred)

Latitude 53° - 35' - 19"

Water struck at depths of (feet)

Rest-level of water below / above top of well feet. Suction at feet. Yield on hours' / days' test

gallons per (with pump of capacity g.p.h.); depressing water level to feet below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.

Quality (attach copy of analysis if available)

Sunk by Messrs. T. Matthews for Mr. Date of well

Information from Drawing NH 76

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).	THICKNESS Feet.	THICKNESS Inches.	DEPTH Feet.	DEPTH Inches.
	Not given	28	-	28	-
	Marl	16	-	44	-
	Sand & gravel	6	-	50	-
	Marl & pebbles	3	-	53	-
	Marl	4	-	57	-
	Marl & pebbles	3	-	60	-
	Marl	21	-	81	-
	Grey rock (Boulder)		6	81	6
	Marl with sand & pebbles	98	6	180	-
	Loam	4	-	184	-
	Sand	32	-	216	-
	Sandy Loam & gravel	15	-	231	-
	Quicksand	8	-	239	-
	Gravel	2	-	241	-
	Quicksand	14	-	255	-
	Gravel	2	-	257	-
	Blue clay with stones	10	-	267	-
	Blue shale	65	-	332	-
	Blue rock	18	-	350	-
	Grit rock	15	-	365	-
	Blue shale	5	-	370	-
	Black shale	80	-	450	-
	Grey shale	12	-	462	-
	Grey rock	28	-	490	-
	Dark rock	3	-	493	-

GEOLOGICAL SURVEY AND MUSEUM,
SOUTH KENSINGTON.
LONDON. S.W.7.

For Survey use only

Date received	G.S.M. Office File No.	Site marked on 1" map (use symbol)

(*11815) Wt.29051/O.369 10,000 9/39
A.& E.W.Ltd. Gp.686

SD8156/9 SD8842 1042 SD81 (3)

RECORD OF WELL (SHAFT OR BORE)

1" N.S. 85
1" O.S.
Grid Ref. 9

At Messrs. Castleton Brewery, Co. Ltd., Castleton

Town or Village Roshdale County Lancs. Six-inch quarter sheet 88 SE.E.

Exact site (A rough sketch-map or a tracing from a map is very desirable)

in parish of

Level of ground surface above sea-level (O.D.) 460 ft. If well starts below ground surface, state how far ft.

Shaft ft., diameter ft. Bore ft. Diameter of bore: at top ins.; at bottom ins.

Details of permanent lining tubes (internal diameters preferred)

Latitude 53°- 35' - 19"

Water struck at depths of (feet)

Rest-level of water below / above top of well feet. Suction at feet. Yield on hours' / days' test

gallons per (with pump of capacity g.p.h.); depressing water level to feet below top. Time of recovery hrs. Amount normally pumped daily g.p.h. for hours.

Quality (attach copy of analysis if available)

Sunk by Messrs. T. Matthews for Mr. Date of well

Information from Drawing NH 76

(For Survey use only). GEOLOGICAL CLASSIFICATION.	NATURE OF STRATA (and any additional remarks).	THICKNESS Feet.	THICKNESS Inches.	DEPTH Feet.	DEPTH Inches.
	Not given	28	-	28	-
	Marl	16	-	44	-
	Sand & gravel	6	-	50	-
	Marl & pebbles	3	-	53	-
	Marl	4	-	57	-
	Marl & pebbles	3	-	60	-
	Marl	21	-	81	-
	Grey rock (boulder)		6	81	6
	Marl with sand & pebbles	98	6	180	-
	Loam	4	-	184	-
	Sand	32	-	216	-
	Sandy Loam & gravel	15	-	231	-
	Quicksand	8	-	239	-
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	Quicksand	14	-	255	-
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	Blue shale	65	-	332	-
	blue rock	18	-	350	-
	Grit rock	15	-	365	-
	Blue shale	5	-	370	-
	Black shale	80	-	450	-
	Grey shale	12	-	462	-
	Grey rock	28	-	490	-
	Dark rock	3	-	493	-

GEOLOGICAL SURVEY AND MUSEUM, SOUTH KENSINGTON, LONDON, S.W.7.

For Survey use only

Date received	G.S.M. Office File No.	Site marked on 1" map (uses symbol)

(*11815) Wt.25051/O.859 10,000 9/39 A.&E.W.Ltd. Gp.686

Section drawn 4/1/24.

(881) Wt. 5993—S.33 3033 6/22 Gp. 147 M.T.Co.Ltd. Leeds.

SD81/31

SECTION OF Borehole at Messrs Castleton Brewery Co. Ltd. Castleton. Nr. Rochdale.

Maps: One-inch 84. Six-inch 88 S.E.[illegible] County Lancashire 19

Height above O.D. 460 ft. Latitude 53°-35'-19" Longitude 2°-10'-30"

Communicated by Thomas Matthews Ltd. Pendleton. Date of sinking

Made by Downing NH 76. Dip of Strata

SD81/1

(Castleton)

	Thickness. ft	in	Depth from Surface. ft	in
Not given.	28	-	28	-
Marl = prob. = clay	16	-	44	-
Sand & Gravel	6	-	50	-
Marl & pebbles	3	-	53	-
Marl	4	-	57	-
Marl & pebbles	3	-	60	-
Marl	21	-	81	-
Grey rock (Boulder)	-	6"	81	6
Marl with sand & pebbles	98	6	180	-
Loam	4	-	184	-
Sand	32	-	216	-
Sandy loam & gravel	15	-	231	-
Quicksand	8	-	239	-
Gravel	2	-	241	-
Quicksand	14	-	255	-
Gravel	2	-	257	-
Blue clay with stones	10	-	267	-
Blue Shale — Base of drift	65	-	332	-
Blue rock	18	-	350	-
Grit rock	15	-	365	-
Blue shale	5	-	370	-
Black Shale	80	-	450	-
Grey shale	12	-	462	-
Grey rock	28	-	490	-
Dark rock	3	-	493	-

Analysis Rec'd by Thos. T. Matthews May 22nd 1897:—

Carbonate of Lime	4.99	grains per gallon
" Magnesia	3.15.	as
Iron	.76	
Sulphate of Soda	1.98.	1.8
Chloride of Sodium	1.98.	1.8
Silicate of Soda	1.64.	
Carbonate of Soda	11.74.	10.8
Total solids	25.23.	

Temporary Hardness 7.91 = 2/16 per 1,000 gallons

Permanent " 17.32 = 2/16 per 1,000 "

Hardness: Nil.

APPENDIX E SITE RECONNAISSANCE RECORD

Basic Details

Site Walkover Questionnaire.

Date	15/09/2022
Project Name	Land at Stakehill
Project No.	322974
Site Name	Land at Stakehill
GPS Location	53° 34' 42.294" N 2° 10' 29.099" W
Site Engineer	Henry Currie
Accompanied by	
Site Engineer Arrival Time	15/09/2022, 10:30
Site Engineer Departure Time	15/09/2022, 16:00
Other RSK Staff On Site	
Weather Conditions	[ ] Heavy Rain [ ] Rain [ ] Drizzle [X] Overcast [X] Cloudy [ ] Sunny Spells [ ] Sunny [ ] Fog [ ] Snow [ ] Thunder [ ] Hail
Any Other Details	14°C

A. Current Site Use

Question	*Combined Response*
A1. What are the main land uses on site?	Arable (Agricultural) ;Commercial;Pasture (Agricultural);Undeveloped / greenfield;Vacant / Derelict : Derelict garden centre on western boundary. Main body of proposed development site consists of agricultural land
A2. What are the current land uses NORTH of the site?	: Pastural agricultural land with a commercial fishing pond north of Thornham New Road. Land still bares topographical features of sites previous use as a sand and gravel pit
A3. What are the current land uses EAST of the site?	Other : A627(M) with agricultural land beyond
A4. What are the current land uses SOUTH of the site?	Commercial;Pasture (Agricultural) : Agricultural land with a commercial fishing pond in a mapped reservoir
A5. What are the current land uses WEST of the site?	Vacant / Derelict : Derelict garden centre with locked main access gate. Car park consists of tarmac hardstanding with large amounts of scrap wood, timber, plastic, plyboard and ceramic present (fly tipping).

A6. Current Site Activities	Agricultural farm land, including pastoral land for grazing sheep and cattle. With 2 fishing ponds present in the NE of site
A7. Current Site Activities - Adjacent Sites	Residential housing along western boundary and active roadways on all others
A8. Site Boundaries	Bounded on the North and East by the M62 A627(M) and on the south by the A627(M). Bounded on the west by residential housing and the A664.

B. Access Constraints

B1. General Access Constraints?	( ) No (X) Yes
B2. Access constraints details	The main gates of the garden centre are padlocked and will require keys.

Question	*Combined Response*
B3. Are they any areas of the site that could not or were not entered during the walkover?	No Constraints :

Question	*Combined Response*
B4. Are there any access constraints for the SI phase?	Gates / Fences;Soft Ground : All fields have gated access but keys will be required from the land owners.

C. Physical Characteristics

Question	*Combined Response*
C1. Is the Site level?	No : Site is extremely topographically variable with large numbers of hill and ditches both natural and man made
C2. Is there any evidence of subsidence, landslip or slope erosion?	No :
C3. Are there any changes in level between the site and adjacent sites?	Yes : There is a large elevation change to NW of Thornfields Farm caused by the old edge of a worked gravel and sand pit

----

Enter percentage of site coverage by buildings / roads / hardstanding etc. (Soft cover is automatically calculated)

C4. Percentage Hard Cover

C5. Percentage Soft Cover 100

C6. Cover Details

D. Environmental Characteristics

Question	*Combined Response*
D1. Is there any vegetation on site?	:

D2. Evidence of Vegetation Stress: The whole site bar the garden centre is vegetated with grass with the northern wedge of land beyond the former gravel pit being more densely vegetated with trees and foliage

Question	*Combined Response*
D3. Is there any evidence of invasive species being present on site?	No Invasive Species Observed :
D4. Is there any evidence of invasive species being present on adjacent sites (within 10m of site boundary?)	No Invasive Species Observed :

D5. Site visit in dormancy period?
( ) Yes
(X) No

Question	*Combined Response*
D6. Are there any surface water features on site?	Yes : Numerous drains and some small ponds
D7. Are there any surface water features within 250m off site?	Yes : Ponds to N of M62 and S of A627. Canal to W

Question	*Combined Response*
D8. Visual evidence of contamination of surface waters	Discoloured Water : Red discolouration to water in ditch in SW area of site

---

Drainage could be to ground, surface water sewer, foul sewer, watercourse, SuDS etc.
Include visual observations and any anecdotal information from site representatives. Obtain or consult copies of drainage plans where possible.

D9. Where does the site drain to?: In general the northern areas of site drain towards ponds on the boundary of the M62. Northwestern fields draining into the estate but the majority of the Newhey farmland drains towards the SW under the cricket pitch towards the SW boundary of site

D10. Site Drainage Information: There are a number of manholes in the central area of the site to the SW of Thornfields Farm. Several of the drains appear to be partially culverted in places. No evidence of soakaways or SuDS.

D11. Site Outfall Information

D12. Site Waterlogging or Flooding: Some paths on the eastern side of site were flooded and completely covered in water with lower lying areas being very waterlogged

E. Structures and Services

Question	*Combined Response*
E1. Are there any buildings on site?	Yes : Garden centre, 2 farms and associated buildings

---

Question	*Combined Response*
E2. Any evidence of gas protection measures in buildings?	No :

Question	*Combined Response*
E3. Are there any buried services present?	Yes : A network of underground field drains
E4. Are there any overhead services present on or adjacent to site?	Yes : Overhead cables along Thornham Lane

---

Question	*Combined Response*
E5. Are there any underground structures present on or adjacent to site?	-- : Unknown

F. Geotechnical Considerations

Question	*Combined Response*
F2. Is there any evidence of damage to existing building structures on site?	No :
F3. Are there any remains of building structures present on or adjacent to site?	No : Not obvious if present
F4. Are there any retaining walls present on or adjacent to site?	No : None observed
F5. Are there any abrupt changes in ground level present on or adjacent to site?	Yes : Associated with former gravel pits
F6. Are there any potentially unstable slopes/ exposed ground present on or adjacent to site?	No :
F7. Are there any mature trees on site?	Yes : Some in field boundaries and in N area of site
F8. Is there any visual evidence of infilled basements on site?	No :

G. Potential Evidence for Contamination

Question	*Combined Response*
G1. Is there any potentially hazardous materials storage and use on site?	Yes : Stockpiles of construction / demolition material were seen in the N and NE area of site and within the Newhey Farm landfill site
G2. Is there any waste storage on site?	No :
G3. Is there any fly tipping / litter on site?	Yes : Within area of garden centre and possibly just S of Thornham New Road
G4. Are there any electricity sub stations/ transformers on or near site?	Yes : One on E side of Chatburn Lane adjacent to site W boundary

---

Question	*Combined Response*
G5. Is there any evidence for ACM on site?	: Some possibly present in anthropogenic stockpiles and landfill onsite

---

Question	*Combined Response*
G6. Is there any visual evidence of potential contamination on site?	Leachate;Other : Leachate from manure stockpiles Red coloured water in ditch in SW area of the site
G7. Is there any visual evidence of potential contamination on adjacent sites?	None Observed :

H. Pictures

50 records

Select Feature	*Description*	*Direction Taken*	
1a. Main land use(s)	Eastern section garden centre car park	W	
1a. Main land use(s)	Western section of garden centre cark park	W	
4g. Site drainage	Drainage services seen in garden centre car park	W	

1a. Main land use(s)	2 garages present on garden centre site on NW boundary	W	
7d. Fly-tipping	Fly tipping in garden centre car park	W	
1d. Site boundaries.	Northern brick boundary wall of garden centre	N	

7d. Fly-tipping	Fly tipped material in eastern area of garden centre	SW	
2a. Access constraints - general.	Access gate in northastern corner of garden centre leading into adjacent field	N	
1a. Main land use(s)	Agricultural grass land to the north of garden centre looking towards Newhey Farm	NE	
	Agricultural grassland to		

1a. Main land use(s)	the southwest of church. Drainage ditch visible on north western boundary of field	SW	
4g. Site drainage	Blocked possible former drainage culvert on southern boundary of cricket club	N	
4g. Site drainage	Line of drainage ditch heading SW in fields adjacent to church	SW	

2a. Access constraints - general.	Access gate in south in corner of field adjacent to church	NW	
2a. Access constraints - general.	Thornham Lane looking east	NE	
1a. Main land use(s)	Reservoir in SW corner of site used as a fishing pond	NE	

1a. Main land use(s)	Agricultural grass land in fields south of reservoir access	E	
1a. Main land use(s)	Agricultural grass land off Newhey Farm access from Thornham Lane	W	
4d. Surface waters on site	Pond in field adjacent to school	NE	

1a. Main land use(s)	Agricultural grassland facing toward the church	SW	
4g. Site drainage	Area of possible spring in central historical marshy field	N	
1b. Current site activities.	Newhey Farm agricultural grazing land to the east of Newhey Farm	W	

3d. Surface Cover	Historical marshy area in fields adjacent to Newhey Farm	SW	
1a. Main land use(s)	Agricultural farm land of Newhey Farm	SW	
3a. Site Topography	Edge of former gravel and sand pit bordering the Thornfields Farm	NE	

1a. Main land use(s)	Agricultural grazing land and field that used to contain hydraulic ram	SW	
1b. Current site activities.	Area of manure storage on the eastern boundary of site adjacent to mobile telephone mast	N	
1a. Main land use(s)	Area of manure and cleared vegetation storage on Eastern boundary next to mobile telephone mast	W	

OTHER	Mobile telephone mast on eastern site boundary	NW	
1a. Main land use(s)	Area of anthropogenic rubble and topsoil storage on eastern site boundary overgrown with vegetation	W	
1b. Current site activities.	Stockpiling of anthropogenic material i.e. brick and concrete in NE field	NE	

1a. Main land use(s)	Burning wood and manure on anthropogenic material in NE field	W	
1a. Main land use(s)	Various stockpile of anthropogenic materials including possible ACM, concrete brick and ceramic.	SW	
1a. Main land use(s)	Stockpile	N	

1a. Main land use(s)	Approximate hight of stockpile is 7m to 9m above original ground level	S	
1b. Current site activities.	Hard-core laid trackway or extended stockpile of anthropogenic materials including brick, concrete, tarmac, wood and plastic looking down section towards stockpiles	SE	
3a. Site Topography	No topographical evidence of former ponds seen in Eastern gravel pit field	S	

4g. Site drainage	Possible line of a former culvert or drainage ditch	SE	
4g. Site drainage	Path of low lying drainage ditch in old gravel pit atea	N	
1a. Main land use(s)	Anthropogenic stockpiles of hard-core, manure and sand in NE corner of middle former gravel pit field	N	

OTHER	Gravel pit drainage ditch hitting NE footpath boundary	SW	
1a. Main land use(s)	Culvert exit feeding angling ponds on the northern Thornham farm field	SE	
1a. Main land use(s)	Drainage ditch feeding Thornham angling pond in northern part of site	NW	

1a. Main land use(s)	Mobile telephone tower in field north of Thornham New Road	SW	
OTHER	Western former gravel pit field	SW	
OTHER	Drainage ditch in Newhey Farm northwestern former gravel pit fields	N	

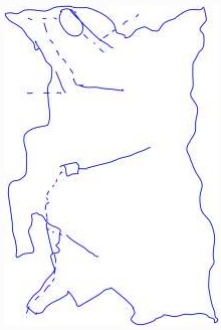
7f. Evidence of possible land contamination on-site	Newhey Farm landfill consisting of hard-core soil with wood and rubbish burnt off	E	
4g. Site drainage	Newhey Farm spring and main drainage going SW note reddish colour of water possible contamination or high iron content in water	E	
4g. Site drainage	Newhey Farm drainage heading SW	N	

4d. Surface waters on site	Newhey Farm pond	NW	
OTHER	Waste stockpile by Newhey Farm Garden centre access	SE	

I. Other Observations & Sketches

Include Sketches [X]

1 record

Notes / Observations	*Sketch*
Rough sketch of western site drainage	

Sign-Off

RSK Representative

Henry Currie	HCurrie@rsk.co.uk

RSK Representative Signature



APPENDIX F TECHNICAL BACKGROUND

F1 Desk Study

Aquifer designation and Source protection zones

Principal aquifer: layers of rock or drift deposit that have high intergranular and/or fracture permeability (usually providing a high level of water storage). They may support water supply and/or river base flow on a strategic scale.

Secondary A aquifer: permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

Secondary B aquifer: predominantly lower permeability layers that may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

Secondary undifferentiated aquifer: it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both a minor and non-aquifer in different locations owing to the variable characteristics.

Unproductive' strata: low permeability with negligible significance for water supply or river base flow.

The EA generally adopts a three-fold classification of source protection zones (SPZ) surround abstractions for public water supply. The Site is situated in an area defined as follows:

- Zone 1 or the 'inner protection zone' is located immediately adjacent to the groundwater source and is based on a 50-day travel time from any point below the water table to the source. It is designed to protect against the effects of human activity and biological/chemical contaminants that may have an immediate effect on the source
- Zone 2 or the 'outer protection zone' is defined by a 400-day travel time from a point below the water table to the source. The travel time is designed to provide delay and attenuation of slowly degrading pollutants
- Zone 3 or the 'total catchment' is the area around the source within which all groundwater recharge is presumed to be discharged at the source.

Preliminary risk assessment methodology

LCRM outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) contaminant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the

likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment
- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the table below.

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

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

- very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required
- high: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term
- moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term
- low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild
- very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.

Reuse of suitable materials

The Definition of Waste: Development Industry Code of Practice (CL:AIRE, 2011) (CoP) was developed in consultation with the Environment Agency and development industry to enable the re-use of materials under certain scenarios and subject to demonstrating that specific criteria are met. The current reuse scenarios covered by the CoP comprise

- reuse on the site of origin (with or without treatment)
- direct transfer of clean and natural soils between sites
- use in the development of land other than the site of origin following treatment at an authorised Hub site (including a fixed soil treatment facility).

The importation of made ground soils (irrespective of contamination status) or crushed demolition materials is not permitted currently under the CoP and requires either a standard rules environmental permit or a U1 waste exemption (see below).

In the context of excavated materials used on-sites undergoing development, four factors are considered to be of particular relevance in determining if the material is a waste or when it ceases to be waste:

- the aim of the Waste Framework Directive is not undermined, i.e. if the use of the material will create an unacceptable risk of pollution of the environment or harm to human health it is likely to be waste
- the material is certain to be used
- the material is suitable for use both chemically and geotechnically
- only the required quantity of material will be used.

The CoP requires the preparation of a materials management plan (MMP) that confirms the above factors will be met. This plan needs to be reviewed by a 'Qualified Person' (QP) who will then issue

a declaration form to the EA. As the project progresses, data must be collated and on completion a verification report produced that shows the MMP was followed and describes any changes.

The MMP establishes whether specific materials are classified as waste and how excavated materials will be treated and/or reused in line with the CoP. The MMP is likely to form part of the site waste management plan.