



**GEOENVIRONMENTAL SITE INVESTIGATION REPORT
PHASE I PRELIMINARY RISK ASSESSMENT
OF LAND AT
14A/B KENWORTHY LANE
NORTHENDEN**

Prepared for: -

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1.0 INTRODUCTION

1.1 Instruction

- 1.1.1 GeoCon Site Investigations Ltd (GeoCon) have been commissioned by Mr Tony Lanzbergin ("the client") to undertake a Phase I Preliminary Risk Assessment (PRA) on land at 14A/B Kenworthy Lane, Northenden.
- 1.1.2 It is understood that a PRA is required to assist with a planning application for a proposed residential development at the site.
- 1.1.3 This report is therefore provided to establish the potential for contamination at the site as a result of current and historic land uses both on site and within influencing distance of the site, to understand the potential type of contamination that may be present, and to identify the anticipated ground conditions and any potential geological and or geotechnical impact on the proposed development.
- 1.1.4 This report is written in accordance with the guidance set out in Land Contamination Risk Management (LCRM), Guiding Principles for Land Contamination (GPLC) 1 – 3, and the National Planning Policy Framework (NPPF).

1.2 Scope of Works

- 1.2.1 Prior to commencing the site works the proposed scope of investigation was as follows, however the proposed scope will be subject to change dependent upon site conditions, access, restrictions and obstructions.
- To appraise the land use history of the site by the examination of available historical plans.
 - To assess the environmental setting of the site with specific reference to geology, mining & quarrying, hydrogeology and hydrology.
 - To gain an understanding of any concerns of the regulatory authorities (Local Authority Planning, Building Control and Environmental Health departments and the Environment Agency) regarding local land filling, flooding, mining, quarrying and other concerns.
 - To produce a Preliminary Conceptual Site Model (CSM).

1.3 Previous Investigations

- 1.3.1 GeoCon have not been provided with any previous investigation reports and are unaware that any have been carried out to date.

1.4 Reliance and Limitations

- 1.4.1 This report has been prepared using published information and information provided by the Client and their professional advisers which has been made available to GeoCon at the time of writing only. GeoCon accepts no liability for any changes resulting from new information which has become available since this time.
- 1.4.2 This report is provided for the sole use of the client and their professional advisors and is confidential to them unless agreed otherwise in writing. This report may only be used and relied on once the work has been paid for in full. GeoCon owes no duty of care and has no liability to any third party who is not authorised by GeoCon to use this report. Any unauthorised third parties using information contained in this report do so at their own risk.
- 1.4.3 This assessment has been carried out to determine the potential risks posed to future end users, along with other key receptors, resulting from potential contamination at the site, based on the proposed development. Should any revisions in the development proposals result in a change any assessment parameters detailed in this report, a re-assessment of the risk should be carried out.

- 1.4.4 Whilst this report may reference observations made regarding the presence of features/ issues such as invasive species, ACM, site drainage and evidence of structural abnormalities, this report does not constitute specialist surveys on these matters. Should further specialist surveys be carried out in this regard, the findings of these should be reported to GeoCon so that we may determine if this has any impact on the findings of this report.
- 1.4.5 The assessment and interpretation of the factual data obtained as part of this Phase I Preliminary Risk Assessment has been undertaken in accordance with standard consulting practise and with current national and international guidance.
- 1.4.6 This report presents the observations made during the Phase I Preliminary Risk Assessment and the factual data obtained. The conclusions and recommendations in this report are limited to those which can be made based on the findings of the survey and information provided by third parties. GeoCon assumes all third-party data to be true and correct. No responsibility can be accepted by GeoCon for inaccuracies in the information provided by any other party.
- 1.4.7 This report is written in the context of an agreed scope of works and should not be used in a different context. Furthermore, new information, improved practises, and changes in legislation may require the reinterpretation of the report in whole or in part after its original issue. GeoCon reserve the right to alter their conclusions and recommendations in the light of further information that may become available.
- 1.4.8 It should be noted that ground conditions including contaminant concentrations and groundwater levels may vary spatially with time. This factor should be given due consideration in the event that the information contained within this report is used after any significant period of time has elapsed.

2.0 SITE LOCATION AND DESCRIPTION

2.1 Site Location

- 2.1.1 The site is located at 14A/B Kenworthy Lane, Northenden M22 4FB, at approximate National Grid Reference NGR: 382862, 390173 (centre of the site).
- 2.1.2 A site location plan is presented as Drawing No. GSI 1641/01 in Appendix A.

2.2 Site Reconnaissance

- 2.2.1 At this stage, a site reconnaissance has not been carried out due to timescales. A site walkover will be carried out either prior to or during any Phase II investigation and this report will be updated accordingly.

2.3 Site Description

- 2.3.1 It should be noted that as a site reconnaissance has not been carried out at this stage, the site description has been taken in part from Google Earth and Google Street View imagery at this stage.
- 2.3.2 The site is an irregular shaped piece of land with an approximate area of 0.32Ha.
- 2.3.3 The topography of the site is generally flat.
- 2.3.4 The site is currently occupied by a two-storey semi-detached residential property, with hardstanding parking areas to the front and rear of the building and a grass garden bounded by trees beyond that. There is a hardstanding driveway on the northern side of the property that leads to the garden, and a two-storey commercial building and hardstanding parking area in the northern corner.
- 2.3.5 An approximate distribution of the surface covering is given below in Table 2.1: Site Surface Covering.

Table 2.1: Site Surface Covering

Type of Surface Cover	Distribution (%)
Soft Ground (grassed and landscaped areas)	20%
Hardstanding	60%
Buildings	20%

- 2.3.6 The site is bound by Kenworthy Lane to the west and residential properties in all other directions.

2.4 Surrounding Area

- 2.4.1 The current surrounding land use to the site is generally residential; with commercial properties lining Palatine Road, roughly 75m from site at its nearest point.
- 2.4.2 The topography of the surrounding area is generally flat.

2.5 Future Site Usage

- 2.5.1 It is currently proposed to construct a new three storey semi-detached residential development at the site which includes the demolition of the existing commercial building, as shown on SRM drawing 21 314 SK300, contained within Appendix A.
- 2.5.2 This assessment has been carried out with reference to this proposed development plan, any changes to the proposed development may result in this assessment requirement updating.

3.0 SITE HISTORY

3.1 Site History

- 3.1.1 The history of the site has been determined from available historical maps obtained as part of the Envirocheck Report and via the Envirocheck Analysis online historical mapping tool. The history of the site and of the surrounding area is summarised overleaf in Table 3.1: Site History. It should be noted that some of the maps come with little to no coverage.
- 3.1.2 The information presented overleaf in Table 3.1: Site History, is given based on the distance and direction from the closest point of each feature to the site. The table presents the data broken down into the following categories: - feature; the potential use of each feature where applicable; the date each particular feature is first observed; the direction of each feature from the site; the approximate distance of each feature from the site; the approximate area of each feature; and any other relevant information regarding the site and surrounding area in general.

3.2 Aerial Photography

2000 Aerial Photograph:

- 3.2.1 The 2000 aerial photography is generally unclear; however, the site appears to be occupied by the current residential and commercial property. The surrounding area is fully developed with residential and commercial properties.

Recent Aerial Photograph:

- 3.2.2 Recent aerial photography shows the site has undergone little to no change since the 2000 aerial photography.

Table 3.1: Site History

Feature	Date first observed	Date no longer shown	Direction from site	Distance (m) from site	Area (m ²)	General notes
Residential Building 1	1898	Current	S	0	134	N/A
Outbuilding 1	1898	Current	N	0	66	1992 - Listed as 14a Kenworthy Lane.
Electrical Sub Station	1955	1981	S	10	130	N/A
School 2	1910	1981	S	19	1096	N/A
Telephone Exchange	1934	Current	W	39	283	1959 - Telephone exchange doubles in size. 1967 - Telephone exchange increases in size,
Northenden County Primary School	1922	Current	N	92	944	N/A
Pond 1	1872	1934	SW	198	207	N/A
Drain	1955	Current	NW	207	479	N/A
Pond 4	1934	2022	W	223	232	Reduces size to 110 square metres (1964). Increases in size, becomes more rounded (2016).
Pond 2	1872	1934	SW	229	218	N/A
Garage	1956	Current	NE	245	159	Becomes a fuel station in 1967. Is now the current ESSO garage.
Pond 3	1872	1956	W	247	127	N/A
Northenden Mill	1872	1959	NE	294	223	N/A
River Mersey	1881	Current	NE	332	0	N/A
Site and surrounding area in general	The site was a grassland field until 1898, when the residential properties in their current footprint were constructed on site and in some of the surrounding areas. The majority of the surrounding area is undeveloped. Further residential and commercial buildings were constructed to the south and east in 1910, and significant construction of further residential and commercial buildings on the remainder of any unused land in the area from 1934.					

4.0 ENVIRONMENTAL SETTING

4.1 General

- 4.1.1 A number of third parties have been approached to collate information relating to the site, its environmental setting, and any issues pertaining. The following third-party sources have been utilised which are outlined in Table 4.1: Sources of Information:

Table 4.1: Sources of Information

Source	Information
Landmark	Envirocheck Report Geology Report
British Geological Survey (BGS)	BGS Open Geoscience online geological mapping tool
Ordnance Survey	OS Open Data online mapping tool
Coal Authority	Online Gazetteer of England and Wales Coal Authority Interactive Viewer
Environment Agency (EA) Online	Water Quality Data and Aquifer designation

- 4.1.2 The Landmark Envirocheck report is provided in Appendix B and all relevant parts of other third-party responses, where available, are presented within the indicated appendices.

4.2 Published Geology

- 4.2.1 The British Geological Survey shows the site to be underlain by the geological succession outlined below Table 4.2: Published Geology.

Table 4.2: Published Geology

Geology	Description /strata	BGS General Description (Lexicon)
Artificial	None recorded	N/A
Superficial	Glaciofluvial Sheet Deposits	<i>Sand and gravel, locally with lenses of silt, clay or organic material; characteristic 'sandur' (sheet) and valley train form; of glaciofluvial origin.</i>
Bedrock	Tarporley Siltstone Formation	<i>Heterolithic, comprising interlaminated and interbedded siltstones, mudstones and sandstones in approximately equal proportions.</i>

- 4.2.2 There are no known artificial deposits recorded underlying the site.

4.3 Mining, Subsidence and Foundations

- 4.3.1 There are no BGS recorded mineral sites within 250m of the site boundary.
- 4.3.2 The Coal Authority online gazetteer indicates that the site is not located within a coal mining area and that a Coal Authority mining report is not required for the site.
- 4.3.3 Landmark indicates that the risk from non-coal mining is negligible.
- 4.3.4 The British Geological Survey provide risk ratings for the potential geological hazards outlined below in Table 4.3: Potential Geological Hazards.

Table 4.3: Potential Geological Hazards

Potential Geological Hazard	Hazard Potential
Collapsible Ground	Very Low
Compressible Ground	No Hazard
Ground Dissolution	No Hazard
Landslides	Very Low
Running Sands	Very Low
Shrinking or Swelling Clay	No Hazard

4.4 Potential Contamination Sources

4.4.1 The following potential sources of contamination have been identified.

Fuel Storage

4.4.2 There is one fuel station within 250m of the site, which is located approximately 246m to the North East of the site.

Potentially Contaminative Uses

4.4.3 There are thirty-one contemporary trade directories within 250m of the site. The closest to the site is located approximately 32m to the Southeast and is for a Commercial Cleaning Service. Remaining pertinent entries include: A vehicle repair garage, located approximately 198m to the south.

Hazardous Substances

4.4.4 There are no hazardous substance uses recorded within 500m of the site.

Landfills and Waste

4.4.5 There are no landfill sites or other waste associated sites within 250m of the site boundary.

4.4.6 Information provided within the Environment Database indicates that there are three areas within 250m of the site where the potential for infilling is possible. These are for former ponds, marsh, rivers, streams or docks that may have been infilled within unknown materials. These are:

- Unknown Filled Ground, 197m, West, last shown 1923
- Quarrying of sand & clay with operation of sand and gravel pits, 201m, Southwest, last shown 1954
- Unknown Filled Ground, 226m, Southwest, last shown 1923
- Unknown Filled Ground, 226m, Southwest, last shown 1955

4.4.7 There are four areas identified on the historical maps within 250m of the site where the potential for infilling is possible which include four former ponds that are no longer shown on more recent maps indicating that they may have been infilled within unknown materials.

- Possible Pond, 198m, Southwest, last shown 1934
- Possible Pond, 223m, West, last shown 2022
- Possible Pond, 229m, Southwest, last shown 1934
- Possible Pond, 247m, West, last shown 1956

4.4.8 Made Ground may be present on the site with unknown thickness and composition.

4.5 Radon

- 4.5.1 The Envirocheck report shows the site is located within a lower probability radon area, as less than 1% of homes are above the action level. Therefore, no radon protection measures are necessary in the construction of new dwellings or extensions.

4.6 Hydrogeology

Superficial Deposits

- 4.6.1 The Environment Agency aquifer classification scheme indicates that the superficial aquifer designation for the site is classed as Secondary A aquifer which are generally described as *'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. These are generally aquifers formerly classified as minor aquifers'* (EA general description).

Bedrock

- 4.6.2 The Environment Agency aquifer classification scheme indicates that the bedrock aquifer designation for the site is classed as Secondary B aquifer which are generally described as *'predominantly lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers'* (EA general description).

Groundwater Abstractions

- 4.6.3 There are no licensed groundwater abstraction points within 1000m of the site.
- 4.6.4 There are no public drinking water abstractions within 2000m of the site.
- 4.6.5 It is possible that there may be private unlicensed water abstractions that exist locally in the area.
- 4.6.6 There are no Source Protection Zones (SPZ) within 2000m of the site.

4.7 Hydrology

- 4.7.1 The nearest surface watercourse to the site is a Drain located approximately 207m to the Northwest.
- 4.7.2 The nearest EA General Quality Assessment (GQA) data available within relevant distance to the site is for a sampling point located approximately 8.9km to the Northeast of the site and gives a Grade of River Quality – D.
- 4.7.3 There are no discharge consents within 250m of the site.
- 4.7.4 There are no pollution incidents to controlled waters within 250m of the site.
- 4.7.5 These are unlikely to have affected the site.

Surface Water Abstractions

- 4.7.6 There is one licenced surface water abstraction point within 1000m of the site. It is located approximately 847m to the North for General Washing/Process Washing and Dust Suppression (Construction). There are a further three licensed surface water abstraction points between 1000 and 2000m of the site for Spray Irrigation (Golf Course), Cooling (Commercial) and Laundry Use (Commercial and Public Services).
- 4.7.7 It is possible that there may be private unlicensed water abstractions that exist locally in the area.

4.8 Flooding

- 4.8.1 Envirocheck indicates that the site is located within an area at risk of flooding or within 250m of an area at risk of flooding from rivers or sea.
- 4.8.2 Envirocheck indicates that the site is not located within an area at risk of flooding or within 250m of an area at risk of flooding from surface waters (i.e. pluvial – rainfall, sewers, drains etc.).

4.8.3 The site lies within an area that may be affected by flooding from groundwater at the surface.

4.9 Environmentally Sensitive Sites

4.9.1 There are no significant environmentally sensitive sites within 250m of the site.

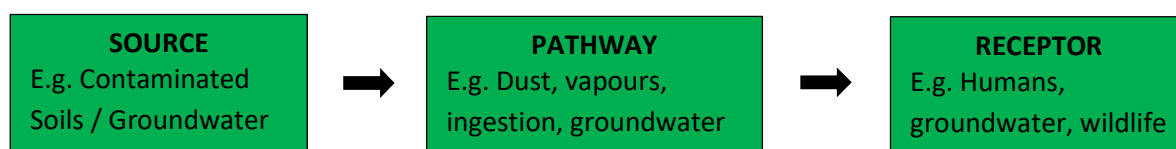
5.0 PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT

5.1 Introduction

- 5.1.1 In statutory guidance regarding potentially contaminated land, risk assessments are used as a technique on a site-specific basis to identify potential environmental issues. As recommended by BS 10175 an Initial Conceptual Generic Model has been formulated which defines the 'pollutant linkage' through source, pathway and receptor methodology. All three must be present in order to pose a risk to the end users and to the environment; i.e., if there is no pathway between the source and the receptor, then there is no 'pollutant linkage' and hence negligible risk to the receptor.

5.2 Risk Assessment Methodology

- 5.2.1 The purpose of a Phase I Preliminary Risk Assessment (PRA) is to obtain information regarding the site to gain a preliminary understanding of potential environmental issues and the potential for land contamination. This information includes existing and proposed site uses, the history of the site and surrounding area, and the environmental setting. The information obtained is used to develop a Conceptual Site Model (CSM), which describes sources (potential hazards), pathways, and receptors, which may be relevant to the site. The following definitions have been adapted from Part IIA of the Environmental Protection Act (EPA) 1990:



- 5.2.2 **Source** – A source can be defined as a potential contaminant, substance, or condition that has the potential to cause harm to the environment, humans or other flora and fauna.
- 5.2.3 **Pathway** – A pathway is defined as the route by which a source is brought into contact with a receptor. This can include the transport of contamination via groundwater, wind borne dust, vapours, excavation and deposition, dermal contact, ingestion and inhalation.
- 5.2.4 **Receptor** – Receptors are defined as anything that can be affected by a source such as human beings, flora and fauna, other living organisms, groundwater and surface water, physical systems and built structures.
- 5.2.5 Some of the above, such as groundwater, surface water, flora, and fauna can be considered as both pathways and receptors.
- 5.2.6 A risk may be considered present if all three of the above exist and thereby form a “**pollutant linkage**”.

5.3 Outline Conceptual Site Model

- 5.3.1 As part of this Phase I Preliminary Risk Assessment, the following potential sources, pathways and receptors have been considered and are discussed below.

Potential Sources (on and off site):

- 5.3.2 The following are potential sources of contamination that have been considered: -
- Made Ground / reworked soils and rock beneath the site associated with construction and demolition on site and of the surrounding area.
 - Potential for contamination to have occurred at the site as a result of historical and contemporary land uses and processes on the site and within influencing of the distance.
 - Potential for mobile and leachable contamination at the site associated with historical and contemporary land uses and processes both on site and within influencing of the distance.

- Potential for volatile and semi-volatile contamination at the site associated with historical and contemporary land uses and processes both on site and within influencing of the distance.
- Historic electrical substations on the site and within influencing of the distance.
- Potential for hazardous ground gasses associated with any Made Ground, landfill sites and other areas of potentially infilled land both on site and within influencing distance of the site.

Potential Pathways

5.3.3 The following potential pathways have been identified at the site:

- Ingestion of contaminated soils.
- Inhalation of site generated particulates.
- Dermal contact with contaminated materials.
- Ingestion of home grown produce.
- Inhalation of hazardous ground gasses.
- Build-up of hazardous ground gasses in confined spaces.
- Groundwater.
- Surface water courses within influencing of the distance.

Potential Receptors

5.3.4 The following potential receptors have been identified:

- Current site end users.
- Future site end users.
- Construction workers.
- Members of the public and neighbouring site users.
- Neighbouring land.
- Aquifers and drinking water.
- Surface water courses within influencing of the distance.
- Flora and fauna.
- Other ecosystems.

5.4 Preliminary Risk Assessment

- 5.4.1 The Preliminary Risk Assessment has been evaluated using a probability / consequence matrix, which is provided in Appendix C.
- 5.4.2 The proposed development comprises of two residential properties in one semi-detached building.
- 5.4.3 The underlying geology of the site and surrounding area is indicated to be glaciofluvial sheet deposits, overlying the Tarporley siltstone formation which has a low to medium permeability.
- 5.4.4 The following risk assessment has been based on the above information.

- 5.4.5 The discussion below assesses the likelihood of potential Contaminants of Concern (CoC's) with a justification on whether they would likely be present.
- 5.4.6 The CSM in Table 5.1 then provides a risk rating for the site.

Land Contamination

- 5.4.7 From the information available, the site itself has had limited historical use. It is therefore possible that Made Ground will be present beneath the site associated with past construction and demolition on site and the surrounding neighbourhood, and site generated processes, however it is not expected to be present in any significant thickness. Therefore, the probability for heavy metals, metalloids and inorganics to be present on or beneath the site is considered to be **unlikely**.
- 5.4.8 Historical and contemporary land uses likely to produce mobile, organic and leachable contamination both on the site and within influencing distance have been identified. Considering the distances between the features and the site, and the medium permeability of the underlying geology beneath the site, the probability for mobile, organic and leachable contamination to be present at the site is considered to be **unlikely**.
- 5.4.9 Historical and contemporary land uses likely to produce volatile contamination (VOC's & SVOC's) both on the site and within influencing distance have not been identified. Considering the distances between the features and the site, and the low to medium permeability of the underlying geology beneath the site, the probability for VOC's & SVOC's to be present at the site is considered to be **unlikely**.
- 5.4.10 There is one electric substations within influencing distance of the site which may be a source of Polychlorinated Biphenyls contamination (PCB's). Further details are given below.
- The substation is located approximately 10m to the south, first observed on the 1955 map.
- 5.4.11 It predates the 1981 ban on PCB's. Therefore, considering the distances between the features and the site, and the low to medium permeability of the underlying geology beneath the site, the probability for PCB contamination at the site is a **low likelihood**.
- 5.4.12 It is possible that further electric substations or former electric substations are present within influencing distance to the site associated with the surrounding area that have not been identified on the historical maps.
- 5.4.13 Asbestos fibres and Asbestos Containing Materials (ACM's) could be present within any Made Ground and or shallow natural soils beneath the site as a result of historic site uses, and phases of construction and demolition. Therefore, the probability for ACM's to be present at the site is considered to be **low**.
- 5.4.14 Therefore, based on the above, the site history, and the environmental information available, the potential contaminants identified on this site include heavy metals, metalloids & inorganics; PAH's; PCBs and asbestos, and the risk to human health is considered to be **Low**.

Hazardous Ground Gasses

- 5.4.15 There are no landfill sites or other waste associated sites within 250m of the site boundary. However, there are a number of areas of infilled ground and infilled ponds, with the closest relating 197m west of the site as unknown infilled ground in 1923.
- 5.4.16 The site is within a lower probability radon area, as less than 1% of homes are above the action level. Therefore, no radon protection measures are necessary in the construction of new dwellings or extensions
- 5.4.17 Considering the distances between the features and the site, and the medium permeability of the underlying geology beneath the site, the probability of hazardous gases being present beneath the site is unlikely and therefore the risk from hazardous ground gases is considered to be Very low.

Plants and Native Grasses

- 5.4.18 Any plants that may be grown at the site in areas of landscaping may potentially be at risk from phytotoxic elements in any artificial soils beneath the site.

- 5.4.19 Therefore, based on the above, the site history, and the environmental information available, the potential contaminants identified on this site may include heavy metals, metalloids & inorganics,, and the risk to plants is considered to be **Very Low**.

Groundwater

- 5.4.20 The superficial aquifer designation for the site is classed as Secondary A, with the underlying bedrock aquifer designation for the site is classed as Secondary B aquifer.
- 5.4.21 There are no licensed groundwater abstraction points, public drinking water abstractions or source protection zones within 1000m of the site.
- 5.4.22 Therefore, based on the above, the environmental information available, and considering the medium permeability of the underlying geology, the absence of the nearest potable groundwater abstraction point, the probability for contamination at the site to impact the groundwater is low likelihood, and therefore the risk to groundwater is considered to be **Low**.

Surface Water

- 5.4.23 There is one licenced surface water abstraction point within 1000m of the site. It is located approximately 847m to the North for General Washing/Process Washing and Dust Suppression (Construction).
- 5.4.24 The potential contaminants identified on this site include heavy metals, metalloids and inorganics and PCBs.
- 5.4.25 Therefore, based on the above, the environmental information available, and considering the medium permeability of the underlying geology, and the proximity of the nearest surface water feature, the probability for contamination at the site to impact the surface water courses is low likelihood, and therefore the risk to surface water courses is considered to be **Low**.

Flooding

- 5.4.26 Envirocheck indicates that the site is located within an area at risk of flooding or within 250m of an area at risk of flooding from rivers or sea.
- 5.4.27 Envirocheck indicates that the site is not located within an area at risk of flooding or within 250m of an area at risk of flooding from surface waters (i.e. pluvial – rainfall, sewers, drains etc.).
- 5.4.28 The site lies within an area that may be affected by flooding from groundwater at the surface.

Water Supply / Plastic Pipes

- 5.4.29 Any organic contamination present in the soils or groundwater beneath the site would pose a risk of premature failure to below ground services via chemical reaction.

Preliminary Conceptual Site Model

- 5.4.30 From the above information a CSM has been produced showing the preliminary conceptual model and potential pollutant linkages for the site and is presented overleaf in Table 5.1: Preliminary Conceptual Site Model and Potential Pollutant Linkages. At this stage only contaminants of concern that are considered potentially present from the information available have been included in the CSM.

Table 5.1: Preliminary Conceptual Site Model and Potential Pollutant Linkages

Potential Sources	Contaminants of Concern	Potential Pathway	Potential Receptor	Pollutant Linkage	Probability	Consequence	Risk Classification	Action / Mitigation / Justification
Made Ground both on site and within influencing distance of the site Current and former land uses both on site and within influencing distance of the site	Heavy metals, sulphates and inorganics PAH's Asbestos PCB's	Ingestion Inhalation Dermal Contact	Human health Including current site users, future site users	Considered potentially active	Unlikely	Medium	Low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
			Human health Construction workers	Considered potentially active	Unlikely	Medium	Low	Construction personnel to adhere to standard PPE guidelines and hygienic site practices to control risk. No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
			Human health Neighbouring residents	Considered potentially active	Unlikely	Medium	Low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
Made Ground on site Current and former land uses on site	Heavy metals, sulphates and inorganics PAH's PCB's	Lateral and vertical migration and leaching of contaminants into surface water bodies via permeable strata and features.	Local water courses and associated flora and fauna	Considered potentially active	Unlikely	Medium	Low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.

Potential Sources	Contaminants of Concern	Potential Pathway	Potential Receptor	Pollutant Linkage	Probability	Consequence	Risk Classification	Action / Mitigation / Justification
Made Ground on site Current and former land uses on site	Heavy metals, sulphates and inorganics PAH's PCB's	Lateral and vertical migration and leaching of contaminants into local groundwater	Underlying Aquifer (Potable water)	Considered potentially active	Low likelihood	Medium	Low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
Made Ground beneath the site Current and former site uses	Phytotoxic elements	Plant uptake	Plants and vegetation	Considered potentially active	Unlikely	Mild	Very Low	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
Landfill sites Potentially infilled Land (ponds, quarries, reservoirs etc) Made Ground Natural organic soils Coal mining Fuel Stations (on and off-site sources)	Hazardous ground gases including CO ₂ , CH ₄ CO, H ₂ S Vapours	Inhalation Explosion	Human health Including current site users, future site users, neighbouring residents and constructions workers	Considered potentially active	Unlikely	Medium to Severe	Low	No further action, however, if Made Ground or any organic materials are encountered on site then this risk will need to be reassessed.
		Explosion	Buildings	Considered potentially active	Unlikely	Medium to Severe	Low	

6.0 PRELIMINARY GEOTECHNICAL ASSESSMENT

6.1 General

- 6.1.1 The underlying shallow geology is likely to consist of Glaciofluvial Sheet Deposits overlying Tarporley Siltstone Formation which generally comprise of Devensian Glaciofluvial deposits, and interlaminated and interbedded siltstones, mudstones and sandstones in approximately equal proportions, respectively.
- 6.1.2 Made Ground may also be present on site.
- 6.1.3 Based upon the information reviewed, a list of potential geotechnical risks has been outlined below in Table 6.1: Potential Geotechnical Risks, which presents a summary of the likely geotechnical risks potentially present at the site.

Table 6.1: Potential Geotechnical Risks

Features of Concern	Geotechnical Consideration	Geotechnical Risk to Proposed Development	Likelihood
Made Ground	Any potential Made Ground beneath the site.	Made Ground can cause total and differential settlement of any new structures.	Possible
Trees and vegetation	Large mature trees on site or within close proximity to the site boundaries.	Tree roots have the potential to cause clay soils to shrink causing settlement of new structures.	Possible
Shrinkage and expansion of clay soils	Clay soils beneath the site.	Potential for shrinkage and / or heave of clay soils causing damage to new structures.	Possible
Groundwater ingress	Shallow groundwater beneath the site.	Shallow ground water can have an impact on construction and foundation excavations. Pumping and / or dewatering may be required.	Possible
Existing / former foundations and underground structures	New buildings may be situated upon the sites of former demolished buildings or buildings that will be demolished as part of the proposed development.	Uneven founding, inconsistent ground conditions, and unsuitable bearing capacity for new structures.	Possible
Aggressive ground	Chemical content of the soils beneath the site.	Chemically aggressive ground may have the potential to attack buried concrete.	Possible
Soft / loose / weak soils and / or rock beneath the site	Unsuitable founding strata beneath the site.	Soft and loose soils or weak rock may be inadequate to found on. A suitable foundation option should be selected based on the actual ground conditions beneath the site.	Possible
Embankments	Unstable slopes and embankments.	Collapse onto or into any new developments	Negligible
Shallow mine workings beneath the site	Coal seams or mine entries present on or beneath the site which may have been worked in the past.	Worked mine seams or areas of mineral extraction leave voids underground that have the potential to settle when new loads are placed above them.	Negligible
Ground Dissolution	Dissolution of carbonaceous geology beneath the site.	Carbonaceous ground beneath the site can dissolve over time with groundwater percolating through causing sink holes giving rise to settlement or complete collapse of structures.	Negligible
Brine Extraction	Areas of brine extraction beneath the site at shallow depths.	Affected areas may leave voids underground that have the potential to settle when new loads are placed above them.	Negligible

6.2 Discussion

Structures

- 6.2.1 The nature and distribution of geotechnical properties of the near surface strata have not been fully identified within this study, therefore it is not possible at this stage, to give meaningful advice as to the type, nature, and construction of any foundations for the proposed development.
- 6.2.2 A suitable geotechnical site investigation should be carried out at the site to confirm ground conditions, geotechnical parameters, details of the groundwater regime, and other general site details to facilitate suitable foundation and substructure design.

Sustainable Drainage

- 6.2.3 In accordance with National Planning and Policy Framework (NPPF) and Local Planning Guidance, the Local Planning Authority (LPA) will require that surface water drainage from the proposed development complies with current design practices for Sustainable Drainage Systems (SuDS) construction of separate drainage systems for foul and surface water. Surface water shall be required to be attenuated to Greenfield runoff rates or better and attenuation up to the 1 in 100 year storm event plus 40% for climate change will be required on site.
- 6.2.4 Based on the indicative ground conditions encountered it is unlikely that soakaways would be suitable at the site.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

Environmental

- 7.1.1 A review of the preliminary information reveals that future end users of the site are potentially **Low** risk of being affected by contamination in soils and / or groundwater beneath this site.
- 7.1.2 Risks to neighbouring residents from the site are considered to be **Low** at this stage.
- 7.1.3 Risks to construction workers from the site are considered to be **Low** at this stage.
- 7.1.4 The risks of hazardous ground gasses affecting the site are considered to be **Low** at this stage.
- 7.1.5 No radon protection measures are necessary in the construction of new dwellings or extensions.
- 7.1.6 The risks to surface waters are considered to be **Low** at this stage.
- 7.1.7 The risks to drinking water and groundwater are considered to be **Low** at this stage.
- 7.1.8 Risks to plants and native grasses are considered to be **Low** at this stage.

Geotechnical

- 7.1.9 The nature and distribution of geotechnical properties of the near surface strata have not been fully identified within this study, therefore it is not possible at this stage, to give meaningful advice as to the type, nature, and construction of any foundations for the proposed development.
- 7.1.10 Inadequately designed buried concrete may be at risk from potentially elevated sulphates and low pH in the soils and groundwater beneath the site.
- 7.1.11 The site is not considered to be affected shallow coal mining. Therefore, risks from shallow coal mining are considered to be **negligible** at this stage.
- 7.1.12 Based on the indicative ground conditions encountered it is unlikely that sustainable drainage would be suitable at the site, however the presence and thickness (if present) of Made Ground at the site may result in sustainable drainage not being practical or feasible.

7.2 Recommendations

- 7.2.1 No further action is required based on the CSM with respect to the environmental condition of the site.
- 7.2.2 It is recommended that the above conclusions and recommendations are agreed in principle with the Local Planning Authority (LPA) to gain their approval prior to commencement of the development to avoid unnecessary complications or delays at a later stage.

7.3 Other Considerations

Soakaways

- 7.3.1 In accordance with National Planning and Policy Framework (NPPF) and Local Planning Guidance, the LPA will require that surface water drainage from the proposed development complies with current design practices for Sustainable Drainage Systems (SuDS) construction of separate drainage systems for foul and surface water.
- 7.3.2 Soakaway Testing should be considered to determine the suitability for sustainable drainage at the site.

Plastic Water Pipes

- 7.3.3 Any organic contamination present in the soils or groundwater beneath the site would pose a risk of premature failure to below ground services via chemical reaction.
- 7.3.4 Considerations should be given to sampling and chemical analysis of the materials that any plastic water supply pipes will be laid in.

7.3.5 It is also likely that the water utilities provider will require their own risk assessment to be completed.

Asbestos Survey

7.3.6 Any existing buildings and structures on site will require an Asbestos Survey by a competent asbestos contractor.

Flood Risk

7.3.7 Consideration should be given to commissioning a Flood Risk Assessment if required by the Local Authority.

8.0 REFERENCES

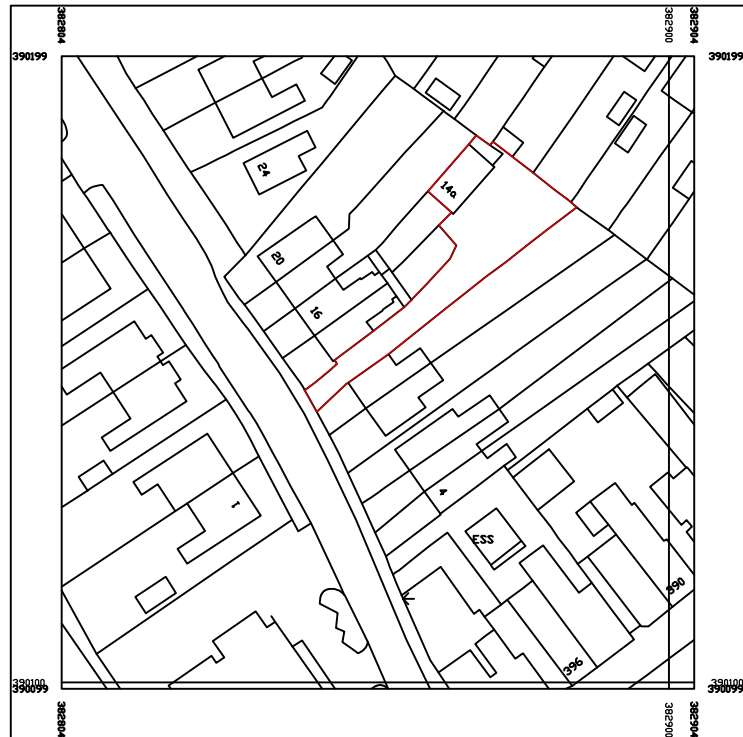
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LIST OF ACRONYMS

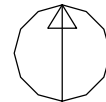
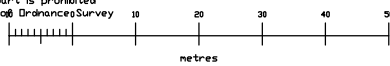
Acronym	Meaning
BGS	British Geological Survey
BH	Borehole
CDM	Construction Design and Management
CL:AIRE	Contaminated Land: Applications In Real Environments
CLR	Contaminated Land Report
COSHH	Control Of Substances Hazardous to Health
CSM	Conceptual Site Model
DCP	Dynamic Cone Penetrometer
DEFRA	Department for Environment Foods and Rural Affairs
DP	Dynamic Probe
DoE	Department of Environment
DWS	Drinking Water Standard
EA	Environment Agency
EQS	Environmental Quality Standard
GAC	Generic Acceptance Criteria
HP	Hand Pit
HA	Hand Auger
LPA	Local Planning Authority
LQM	Land Quality Management
mbgl	Metres Below Ground Level
MP	Mackintosh Probe
NPPF	National Planning Policy Framework
NGR	National Grid Reference
OS	Ordnance Survey
SGV	Soil Guideline Value
SSV	Soil Screening Value
WSV	Water Screening Value
SPOSH	Significant Possibility of Significant Harm
SPZ	Source Protection Zone
SSSI	Site of Special Scientific Interest
TP	Trial Pit
TT	Trial Trench
WS	Windowless Sample / Window Sample

APPENDIX A
DRAWINGS

Ordnance Survey®
Ukmapcentre.com



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Site
Boundary

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T: 07778 137830
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Project :
14A/B Kenworthy Lane Northenden

Title :
OS location plan

Drawing number : Issue :
20 314 PL000

Client :
Mr Lanzbergin

Scale :
1:1250 @ A4

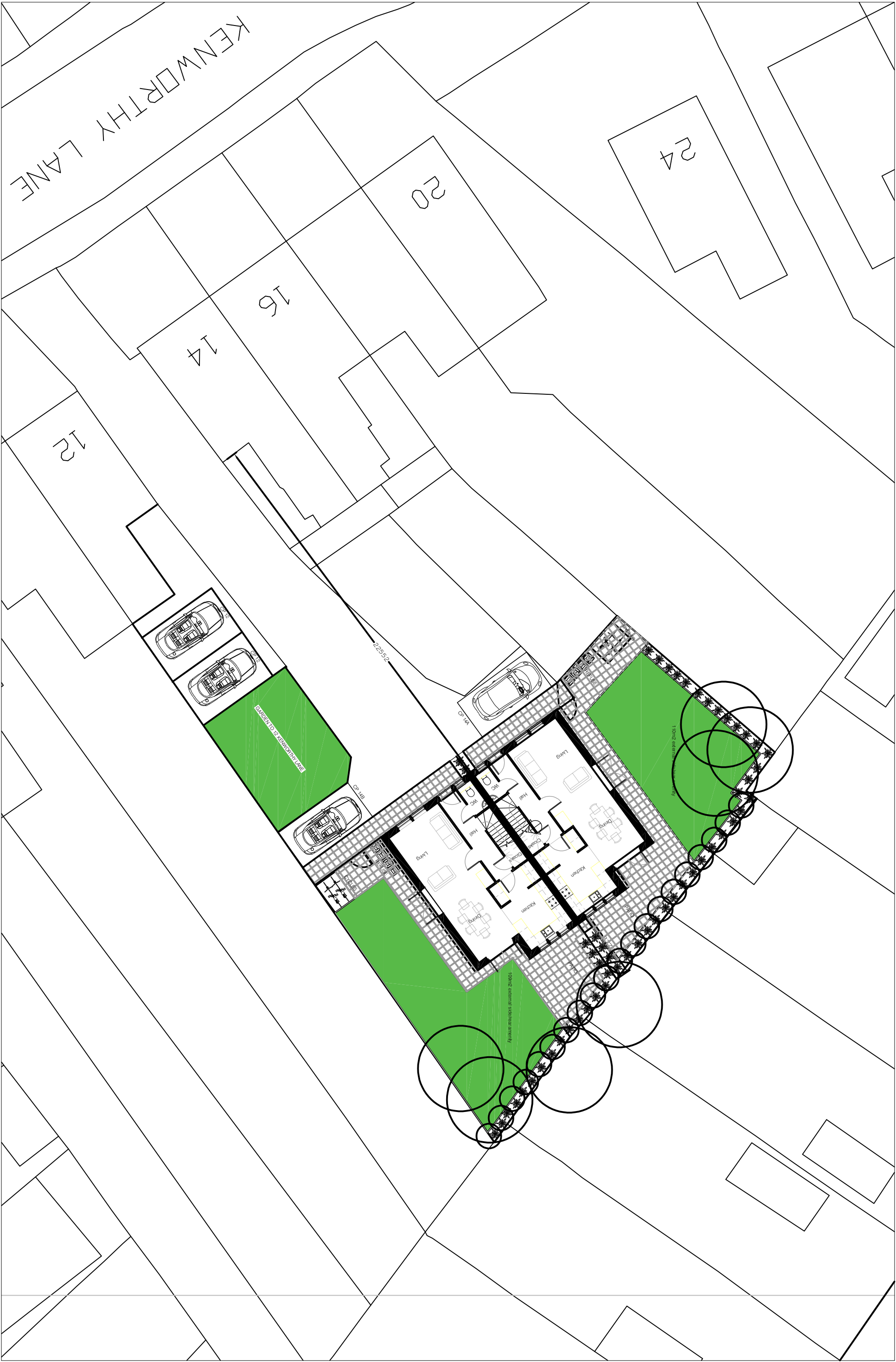
Date :
30.11.2021

CAD Ref :
PL100

Drawn by :
SRM

SRM

Simon R Miles BA(Hon) Dip Arch RIBA
Chartered Architect



APPENDIX B

ENVIROCHECK REPORT



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

291975093_1_1

Customer Reference:

GSI1641 JS

National Grid Reference:

382860, 390160

Slice:

A

Site Area (Ha):

0.31

Search Buffer (m):

1000

Site Details:

14A/B, Kenworthy Lane

MANCHESTER

M22 4EJ

Client Details:

Mr I Walker

Geocon Site Investigations

Suite 2 Marple House,

39 Stockport Road,

Marple,

Stockport

Cheshire

SK6 6BD

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	20
Hazardous Substances	-
Geological	22
Industrial Land Use	26
Sensitive Land Use	40
Data Currency	41
Data Suppliers	48
Useful Contacts	49

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

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	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			1	9
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 4				4
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 5		3		8
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6		Yes		
Pollution Incidents to Controlled Waters	pg 6			1	14
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 9				1
River Quality	pg 9			1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 9				2 (*3)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 10	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 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 11		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 11		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 11		2	11	66

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 20				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 20	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 20		3	3	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					

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 22	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 22	Yes	Yes	Yes	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			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 24	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 25	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 25	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				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 26		31	9	51
Fuel Station Entries	pg 34		1	1	1
Points of Interest - Commercial Services	pg 34		6	3	23
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 37				6
Points of Interest - Public Infrastructure	pg 37		6	3	8
Points of Interest - Recreational and Environmental	pg 39			1	
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 40				2
Areas of Adopted Green Belt	pg 40			1	
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 40				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
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	A13NE (NE)	155	1	383000 390300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	261	1	383150 390100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	303	1	383150 390350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	324	1	383200 390300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	346	1	383200 390000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	401	1	383300 390150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	414	1	383250 390400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	436	1	383300 390350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	438	1	383200 390500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	449	1	382863 390650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	450	1	383350 390164
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	459	1	383100 390600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	467	1	383000 390650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	474	1	383250 389850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	475	1	383200 390550
1	Discharge Consents Operator: Balvac Limited Property Type: GROUNDWATER REMEDIATION SITES/CIVIL ENGINEERING Location: M60 Palatine Road Balvac Site Compound, Access Via Withington Golf Club, Palatine Road, Manchester, M20 2ue Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprnb3990we Permit Version: 1 Effective Date: 27th February 2020 Issued Date: 27th February 2020 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A14NW (NE)	429	2	383217 390469

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Manhole 10 E.Interceptor, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016942049 Permit Version: 2 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 30th March 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	625	2	382400 390620
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Manhole 10 E.Interceptor, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016942049 Permit Version: 1 Effective Date: 1st January 1900 Issued Date: Not Supplied Revocation Date: 31st March 1991 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	625	2	382400 390620
3	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Kenworthy Lane Ps, Princes Parkway, Greater Manchester, M22 Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0224 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge: Unknown Environment: Receiving Water: Emergency Overflow; Outlet To Watercourse; Licence Status: Revoked Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A18NW (N)	852	2	382720 391040
3	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Kenworthy Lane Ps, Princes Parkway, Greater Manchester, M22 Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0224 Permit Version: 2 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 3rd October 1995 Discharge Type: Sewage Discharges - Unspecified - Water Company Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A18NW (N)	852	2	382720 391040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: Didsbury Golf Club Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Didsbury Golf Club, Ford Lane, Northenden, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016992561 Permit Version: 1 Effective Date: 28th April 1993 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A14NE (E)	891	2	383790 390210
5	Discharge Consents Operator: North West Water Ltd Property Type: Not Given Location: Kenworthy Lane Combined So/Eo, Princess Parkway, MANCHESTER, Lancashire Authority: Environment Agency, North West Region Catchment Area: Mersey Reference: MAN0385 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 1st April 1996 Revocation Date: Not Supplied Discharge Type: Storm Sewage Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NW (N)	933	2	382540 391075
5	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Princes Prkway/M60 Cso 28051, Northenden, ., Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016942049 Permit Version: 4 Effective Date: 20th August 2018 Issued Date: 20th August 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	938	2	382540 391080
5	Discharge Consents Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Princes Prkway/M60 Cso 28051, Northenden, ., Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016942049 Permit Version: 3 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: 19th August 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	938	2	382540 391080

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Kenworthy Lane Ps, Princes Parkway, Greater Manchester, M22 Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982983 Permit Version: 1 Effective Date: 25th September 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Mersey Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18NW (N)	938	2	382540 391080
6	Integrated Pollution Prevention And Control Name: Vita Liquid Polymers Limited Location: Vita Liquid Polymers - Wythenshawe - Epr/Dp3532dm, Vita Liquid Polymers Ltd., Harling Road, Wythenshawe., Manchester, M22 4SZ Authority: Environment Agency, North West Region Permit Reference: HP3039QB Original Permit Ref: Dp3532dm Effective Date: 12th September 2018 Status: Effective Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y	A8NE (S)	604	2	383020 389550
6	Integrated Pollution Prevention And Control Name: Vita Liquid Polymers Limited Location: Vita Liquid Polymers Ltd, ,Harling Road, Wythenshawe., Manchester, M22 4SZ Authority: Environment Agency, North West Region Permit Reference: DP3532DM Original Permit Ref: Dp3532dm Effective Date: 5th June 2018 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y	A8NE (S)	637	2	383027 389518
7	Integrated Pollution Prevention And Control Name: Arla Foods Uk Services Ltd Location: Arla Foods Manchester, ,Arla Foods, Paston Road,,, Manchester, Lancashire, M22 4UA Authority: Environment Agency, North West Region Permit Reference: YP3830GX Original Permit Ref: Yp3830bb Effective Date: 10th February 2010 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 6.8 A(1) (E) Activity Description: Animal Vegetable And Food; Treating Etc Milk Greater Than 200T/Day Primary Activity: Y	A8SE (S)	831	2	382870 389298
8	Integrated Pollution Prevention And Control Name: Arla Foods Uk Services Ltd Location: Paston Road, Sharston Industrial Area, MANCHESTER, M22 4UA Authority: Environment Agency, North West Region Permit Reference: Yp3830bb Original Permit Ref: Yp3830bb Effective Date: 23rd January 2006 Status: Superseded By Variation Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (E) Activity Description: Animal Vegetable And Food; Treating Etc Milk Greater Than 200T/Day Primary Activity: Y	A8SW (S)	933	2	382733 389202

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Local Authority Pollution Prevention and Controls Name: Northenden Dry Cleaners Location: 328 Palantine Road, Northenden, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/25/08 Dated: 29th February 2008 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	149	3	383005 390287
10	Local Authority Pollution Prevention and Controls Name: Northenden Laundry Services Ltd (Kingsley Laundry) Location: 17 Kingsley Road, Northenden, Manchester, M22 4nl Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/17/07 Dated: 12th February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13SE (S)	190	3	382937 389961
11	Local Authority Pollution Prevention and Controls Name: Tcs - St Hildas Location: 304-308 Palatine Road, Northenden, MANCHESTER, Lancashire, M22 4FW Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/045/06 Dated: 12th January 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A13NE (NE)	247	3	383039 390388
12	Local Authority Pollution Prevention and Controls Name: Clinton Stone Ltd Location: 26 Gibwood Road, Northenden, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/01/07/RM Dated: 1st May 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A7NE (SW)	529	3	382409 389818
13	Local Authority Pollution Prevention and Controls Name: Vita Liquid Polymers Ltd Location: Harling Road, Sharston Industrial Estate, Wythenshawe, Manchester, M22 4sz Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/02/10/RM Dated: 21st June 2011 Process Type: Local Authority Pollution Prevention and Control Description: PG6/44 Manufacture of coating materials Status: Permitted Positional Accuracy: Manually positioned to the address or location	A8NE (S)	604	3	383023 389551
13	Local Authority Pollution Prevention and Controls Name: Vita Liquid Polymers Location: Harling Road, Wythenshawe, MANCHESTER, M22 4SZ Authority: Manchester City Council, Environmental Health Department Permit Reference: 54/93 Dated: 4th November 1993 Process Type: Local Authority Air Pollution Control Description: PG6/10 Coating manufacturing Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A8NE (S)	604	3	383023 389551
14	Local Authority Pollution Prevention and Controls Name: Royle Green Service Station Location: 106 Longley Lane, Northenden, Manchester, Lancashire, M22 4sy Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/030/06 Dated: 14th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A8NE (SE)	673	3	383172 389539

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Local Authority Pollution Prevention and Controls Name: Walls Developments Location: Paston Road, Sharston Industrial Estate, Manchester, M22 4tf Authority: Manchester City Council, Environmental Health Department Permit Reference: M74/95 Dated: 12th May 1995 Process Type: Local Authority Air Pollution Control Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A8SW (S)	778	3	382836 389350
16	Local Authority Pollution Prevention and Controls Name: Wylex Ltd Location: Blantyre Works, Sharston Road, Wythenshawe, MANCHESTER, Lancashire, M22 4RA Authority: Manchester City Council, Environmental Health Department Permit Reference: Not Given Dated: 15th September 1995 Process Type: Local Authority Air Pollution Control Description: PG5/4 General waste incineration processes under 1 tonne an hour Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	871	3	383229 389345
16	Local Authority Pollution Prevention and Controls Name: Electrium Ltd Location: Harper Road, Sharston, Wythenshawe, M22 4ra Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/25/05/AW Dated: 3rd November 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/31 Powder coating processes (including sheradizing) Status: Authorised Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	892	3	383254 389334
16	Local Authority Pollution Prevention and Controls Name: Electrium Ltd Location: Harper Road, Sharston, Wythenshawe, M22 4ra Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/25/05/AW Dated: 3rd November 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/45 Surface cleaning Status: Permitted Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	892	3	383254 389334
	Nearest Surface Water Feature	A13NW (NW)	208	-	382650 390259
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: River Mersey; Unleaded Petrol Incident Date: 3rd October 1995 Incident Reference: 95512453 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	438	2	383200 390500
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Mersey; None Pollution Found Incident Date: 1st February 1995 Incident Reference: 95510157 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	565	2	382600 390700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: River Mersey; Ochre Incident Date: 24th June 1995 Incident Reference: 95511549 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	579	2	383300 390600
20	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Seen Incident Date: 21st November 1994 Incident Reference: 94512545 Catchment Area: Mersey - Non-Tidal Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	600	2	382900 390800
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Talcum Powder Incident Date: 4th July 1995 Incident Reference: 95641642 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SE (W)	674	2	382200 389900
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Vegetable Oil Note: Not Supplied Incident Date: 11th August 1994 Incident Reference: 94511834 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	697	2	382500 390795
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: River Mersey Incident Date: 12th October 1993 Incident Reference: 93731940 Catchment Area: Mersey - Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	702	2	382500 390800
23	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Other Location: River Mersey, Didsbury Golf Club, DIDSbury Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Other Suspended Solids Note: Not Supplied Incident Date: 27th January 1998 Incident Reference: SO980270 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	704	2	383600 390100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Combined Sewer Overflow Location: River Mersey Authority: Environment Agency, North West Region Pollutant: Sewage Debris/Litter Note: Sewage Litter Incident Date: 2nd February 1998 Incident Reference: SO980222 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: CSO Normal Operation Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	721	2	383400 390700
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Ochre Note: Fielden Park Bk Incident Date: 21st January 1992 Incident Reference: 92510109 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	733	2	383500 390600
26	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Seen Incident Date: 24th June 1994 Incident Reference: 94511397 Catchment Area: Mersey - Non-Tidal Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	857	2	383300 389400
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Mersey; None Pollution Found Incident Date: 28th March 1995 Incident Reference: 95510628 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	900	2	383200 389300
28	Pollution Incidents to Controlled Waters Property Type: Road Location: River Mersey, Princess Parkway Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 14th May 1998 Incident Reference: SO980860 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	915	2	382700 391100
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Tributary Mersey; Unknown Incident Date: 29th March 1995 Incident Reference: 95510643 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	935	2	383600 390800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: River Mersey; Sewage Incident Date: 7th March 1996 Incident Reference: 96510436 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Mechanical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (N)	971	2	382500 391100
31	Registered Radioactive Substances Name: C H Johnson & Sons Ltd Location: Bradnor Road, MANCHESTER, M22 4TS Authority: Scottish Environment Protection Agency, Head Office Permit Reference: IPB/3/3/217 Dated: 22nd August 1989 Process Type: Registration under S10 RSA for the keeping and use of mobile Radioactive sources (was RSA60 S3) Description: Registration under S7 or S10 RSA for the keeping and use of radioactive material or apparatus for 1 or more tracer test sources dated pre April 1991 Status: Not Given Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	784	4	382959 389353
	River Quality Name: Mersey GQA Grade: River Quality D Reach: Stockport Stw To Princess Parkway Estimated Distance 8.9 (km): Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A14NW (NE)	345	2	383212 390326
	River Quality Name: Mersey GQA Grade: River Quality D Reach: Princess Parkway To Carrington Estimated Distance 17.6 (km): Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A18NW (N)	885	2	382584 391040
32	Water Abstractions Operator: Amec / Alfred Mcalpine Jv Licence Number: 2569015016 Permit Version: 1 Location: River Mersey At Trafford, Manchester Authority: Environment Agency, North West Region Abstraction: Construction: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: M60 Corridor Between Junctions 5 To 8 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NW (N)	847	2	382650 391020
32	Water Abstractions Operator: Amec / Alfred Mcalpine Jv Licence Number: 2569015016 Permit Version: 1 Location: River Mersey At Trafford, Manchester Authority: Environment Agency, North West Region Abstraction: Construction: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: M60 Corridor Between Junctions 5 To 8 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NW (N)	847	2	382650 391020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Didsbury Golf Club Ltd Licence Number: 2569015006 Permit Version: 100 Location: Borehole At Didsbury Golf Club Northenden Wythenshawe Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 68 Yearly Rate (m3): 9092 Details: Didsbury Golf Course, Northenden 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 10m	A15NW (E)	1090	2	383950 390470
	Water Abstractions Operator: Norwest Co-Op Society Ltd. Licence Number: 2569015001 Permit Version: Not Supplied Location: Borehole, Wythenshawe, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 318 Yearly Rate (m3): 115923 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4NW (SE)	1167	2	383400 389100
	Water Abstractions Operator: Mr Khalid Saleem Licence Number: 2569014037 Permit Version: 1 Location: Underground Strata: Borehole At Sharston, Manchester Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Borehole At Premises, Sharston, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th November 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NE (SE)	1479	2	383610 388860
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial Thickness: 3-10m Superficial Recharge: High	A13SW (S)	0	5	382863 390164
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A13SW (S)	0	5	382863 390164
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (S)	0	5	382863 390164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	98	2	382760 390228
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	172	2	382976 390340
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	208	6	382650 390259
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 149.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NW (NW)	228	6	382634 390269
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 276.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A14NW (E)	356	6	383230 390312
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 2	A14NW (NE)	361	6	383226 390333
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A14NW (NE)	361	6	383226 390333
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 610.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A14NW (NE)	390	6	383215 390411
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	421	6	382903 390620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	436	6	382809 390633
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18SW (N)	436	6	382809 390633
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	441	6	383289 390387
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	472	6	382739 390655
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 382.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	475	6	382738 390658
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	477	6	383371 390247
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	524	6	383330 390479
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A14NW (E)	533	6	383433 390166
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	554	6	383443 390283

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 509.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A14SW (E)	588	6	383487 390149
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	601	6	382992 390790
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	608	6	382990 390797
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18SE (N)	631	6	382991 390821
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	631	6	382991 390821
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 59.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18SE (N)	634	6	383013 390819
55	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	A18NW (N)	639	6	382862 390840
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	642	6	382889 390843
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	643	6	382892 390844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 171.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	687	6	382783 390883
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	695	6	382915 390895
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NE (N)	707	6	383136 390856
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	729	6	382930 390928
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	734	6	382932 390932
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NE (N)	734	6	382932 390932
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NE (N)	750	6	382964 390945
65	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	782	6	382418 389470
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	793	6	382414 389460

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	802	6	382180 389669
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2422.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A14NE (E)	808	6	383698 390306
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 98.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	841	6	382168 389619
70	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	841	6	382233 389544
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 0.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A7NW (SW)	841	6	382168 389619
72	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A7NW (SW)	841	6	382167 389619
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	843	6	382227 389548
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	848	6	382213 389555
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	851	6	382206 389559

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
76	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	851	6	382204 389560
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	853	6	382713 391040
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	855	6	382194 389566
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	856	6	382141 389630
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	859	6	382712 391046
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 199.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	859	6	382216 390766
82	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	861	6	382136 389628
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	870	6	382485 389335
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2130.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A18NW (N)	872	6	382744 391064

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 450.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A18NW (N)	873	6	382707 391059
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	891	6	381943 390043
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	893	6	383793 390187
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NE (N)	900	6	383048 391084
89	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 23.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	920	6	382442 389299
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	920	6	382450 389295
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	921	6	382452 389294
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	925	6	382137 389526
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	929	6	383825 390260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	936	6	383403 390973
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 120.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	939	6	383462 390934
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	940	6	382130 389510
97	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A7NW (SW)	941	6	382135 389502
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A7NW (SW)	941	6	382135 389502
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	943	6	383843 390199
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	943	6	383843 390207
101	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	943	6	383842 390210
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	944	6	383843 390195

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	945	6	382129 389504
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	949	6	383532 390889
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	949	6	383532 390889
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	956	6	383854 390238
107	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SW (SW)	965	6	382134 389469
108	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	A7SW (SW)	965	6	382134 389469
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	966	6	383619 390826
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NE (NE)	983	6	383588 390882
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 598.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NE (NE)	984	6	383591 390882

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	Historical Landfill Sites Licence Holder: Manchester City Council Location: Princess Parkway, Greater Manchester Name: Former Northenden Sewage Works Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16786 First Input Date: 31st December 1950 Last Input Date: 31st December 1965 Specified Waste: Deposited Waste included Inert, Industrial, Commercial and Household Type: Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9692 BGS Ref: Not Supplied Other Ref: F052	A18SE (N)	584	2	382943 390780
113	Historical Landfill Sites Licence Holder: Not Supplied Location: Greater Manchester Name: Princess Road - Yew Tree Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16762 First Input Date: 31st December 1948 Last Input Date: 31st December 1994 Specified Waste: Not Supplied Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F051	A17NE (NW)	874	2	382457 390973
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	7	382863 390164
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SW (SW)	197	-	382672 390020
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NW (W)	226	-	382626 390251
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SW (SW)	226	-	382628 390039
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NW (W)	259	-	382580 390221
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (NE)	307	-	383155 390350
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A12NE (W)	492	-	382366 390321
120	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (NE)	508	-	383297 390497
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1882	A17SW (NW)	761	-	382162 390518
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NE (N)	764	-	383016 390951
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A9NE (SE)	858	-	383653 389761
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A7NE (SW)	861	-	382199 389552

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A9NE (SE)	887	-	383667 389725
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A14SE (E)	961	-	383805 389850
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A7SE (SW)	978	-	382410 389250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13SW (S)	0	1	382863 390164
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13SW (S)	0	1	382863 390164
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	177	1	383045 390282
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	359	1	383236 390305
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil 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 mg/kg	A18SW (N)	414	1	382817 390612
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SW (E)	532	1	383411 390024
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (N)	549	1	382729 390732

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A18SE (N)	568	1	383011 390752
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A17NE (NW)	765	1	382494 390869
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A17NE (N)	869	1	382526 391000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: <15 mg/kg Concentration:	A17NE (NW)	875	1	382515 391003
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: <15 mg/kg Concentration:	A17NE (NW)	879	1	382500 391000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic: 25 - 35 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: <15 mg/kg Concentration:	A17NE (NW)	885	1	382500 391007

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	898	1	382500 391021
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel <15 mg/kg Concentration:	A17NE (NW)	917	1	382417 391000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	931	1	382000 389716
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NE (NE)	974	1	383573 390885
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	994	1	383670 389541
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	382863 390164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	128	1	382863 390000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	382863 390164
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	128	1	382863 390000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	382863 390164
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	128	1	382863 390000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	382863 390164
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	128	1	382863 390000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	382863 390164
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	128	1	382863 390000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	0	1	382863 390164
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	128	1	382863 390000
	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	A13SW (S)	0	1	382863 390164
	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	A13SW (S)	0	1	382863 390164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	Contemporary Trade Directory Entries Name: Premiserv Ltd Location: 386-388, Palatine Road, Manchester, M22 4FZ Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	32	-	382901 390129
129	Contemporary Trade Directory Entries Name: Fads Location: 358-362, Palatine Road, Manchester, M22 4HD Classification: Wallpapers & Wall Coverings Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	62	-	382958 390200
129	Contemporary Trade Directory Entries Name: Pro Cleaners Baguley Location: Manchester, Greater Manchester, M22 4hd Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	84	-	382973 390220
130	Contemporary Trade Directory Entries Name: Price Freezer Location: Hatro House, 397-401, Palatine Road, Manchester, Lancashire, M22 4JS Classification: Frozen Food Processors & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	77	-	382868 390055
131	Contemporary Trade Directory Entries Name: Paragon Doors Location: 27, Kenworthy Lane, Manchester, M22 4FJ Classification: Roller Shutter Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	97	-	382765 390233
131	Contemporary Trade Directory Entries Name: B W C Manchester Location: 21, Greenpark Road, Manchester, M22 4DS Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	133	-	382727 390238
132	Contemporary Trade Directory Entries Name: Car Options Location: 391-393, Palatine Road, Manchester, M22 4FY Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	101	-	382947 390076
132	Contemporary Trade Directory Entries Name: A Filippidi Location: 14, Church Road, Manchester, M22 4WL Classification: Jewellery Manufacturers & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	104	-	382918 390050
132	Contemporary Trade Directory Entries Name: Pro Cleaners Northenden Location: Flat 2, 25, Church Road, Manchester, M22 4NN Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	119	-	382983 390084
132	Contemporary Trade Directory Entries Name: Kingsley Curtain Services Location: Kingsley Road, Manchester, M22 4NL Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	132	-	382948 390037
132	Contemporary Trade Directory Entries Name: Northenden Laundry Services Location: Kingsley Road, Manchester, M22 4NL Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	132	-	382948 390037
132	Contemporary Trade Directory Entries Name: Kingsley Garage Location: Kingsley Road, Manchester, M22 4NL Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	132	-	382948 390037

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	Contemporary Trade Directory Entries Name: Formek Ltd Location: Kingsley Road, Manchester, M22 4NL Classification: Metal Products - Fabricated Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	132	-	382948 390037
133	Contemporary Trade Directory Entries Name: Home Direct Uk Location: 349, Palatine Road, Manchester, M22 4FY Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	119	-	383016 390200
134	Contemporary Trade Directory Entries Name: Quidds In Discount Location: 322-326, Palatine Road, MANCHESTER, M22 4HE Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	150	-	383000 390294
134	Contemporary Trade Directory Entries Name: Northernden Dry Cleaners Location: 328, Palatine Road, Manchester, M22 4HE Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	151	-	383007 390287
134	Contemporary Trade Directory Entries Name: Rah Advertising Ltd Location: 320 Palatine Rd, Manchester, Lancashire, M22 4HF Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	165	-	383012 390302
134	Contemporary Trade Directory Entries Name: Argosy Design & Print Ltd Location: A, 320, Palatine Road, Manchester, Lancashire, M22 4HF Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	165	-	383012 390302
135	Contemporary Trade Directory Entries Name: Kelwal Diy Location: 55, Church Road, Manchester, M22 4WD Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	173	-	383059 390103
135	Contemporary Trade Directory Entries Name: A1 Northenden Domestic Appliances Location: 69, Church Road, Manchester, M22 4WD Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	220	-	383104 390091
135	Contemporary Trade Directory Entries Name: A1 Northenden Domestic Appliances Location: 69, Church Road, Manchester, M22 4WD Classification: Washing Machines - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	220	-	383104 390091
136	Contemporary Trade Directory Entries Name: Rudy'S Autotek Location: 18, Kingsley Road, Manchester, M22 4NL Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	198	-	382894 389936
136	Contemporary Trade Directory Entries Name: North West Harleys Location: 18, Kingsley Road, Manchester, M22 4NL Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	198	-	382894 389936
136	Contemporary Trade Directory Entries Name: Curtaincare By Kingsly Cleaners Location: 18, Kingsley Road, Manchester, M22 4NL Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	198	-	382894 389936

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
136	Contemporary Trade Directory Entries Name: Curtain Care By Kingsley Location: 18, Kingsley Road, Manchester, M22 4NL Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	198	-	382894 389936
136	Contemporary Trade Directory Entries Name: T R S Tyres Location: 18, Kingsley Road, Manchester, M22 4NL Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	199	-	382907 389939
137	Contemporary Trade Directory Entries Name: J P Domestics Location: 15, St. Hildas Road, Northenden, Manchester, M22 4FP Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	222	-	382894 390422
138	Contemporary Trade Directory Entries Name: Kerry Foods Ltd Location: Parkway House, Palatine Road, Manchester, M22 4DB Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	233	-	382660 389977
139	Contemporary Trade Directory Entries Name: Esso Location: 304-308, Palatine Road, Manchester, M22 4FW Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	246	-	383038 390387
139	Contemporary Trade Directory Entries Name: Esso Location: 304-308, Palatine Road, Manchester, M22 4FW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	247	-	383039 390388
139	Contemporary Trade Directory Entries Name: St Hilda'S Garage Location: 304-308, Palatine Road, Manchester, M22 4FW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	247	-	383039 390388
140	Contemporary Trade Directory Entries Name: Independent Damp & Timber Surveys Location: 15, Yew Tree Avenue, Northenden, Manchester, M22 4GX Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	257	-	382669 390370
141	Contemporary Trade Directory Entries Name: Proclean Bins Location: 4 Longley Lane, Manchester, Lancashire, M22 4SY Classification: Hygiene & Cleansing Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	280	-	382667 389908
141	Contemporary Trade Directory Entries Name: A & B Transport Location: 28, Longley Lane, Manchester, M22 4JR Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	308	-	382673 389870
142	Contemporary Trade Directory Entries Name: Manchester Pest Control Location: Morrell Road, Manchester, Greater Manchester, M22 4WH Classification: Pest & Vermin Control Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	286	-	383042 389916
143	Contemporary Trade Directory Entries Name: Manchester Pest Control Location: 45, Morrell Road, Manchester, M22 4WJ Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	344	-	383122 389907

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	Contemporary Trade Directory Entries Name: Currys Location: 269, Palatine Road, Manchester, M22 4ET Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	346	-	383121 390448
144	Contemporary Trade Directory Entries Name: Halfords Autocentre Manchester Location: 271, Palatine Road, Manchester, M22 4ET Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	350	-	383132 390444
145	Contemporary Trade Directory Entries Name: Brimec Transporter Services Location: Norwood, Ford Lane, Northenden, Manchester, M22 4NQ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	347	-	383245 390139
146	Contemporary Trade Directory Entries Name: Royale Green Furniture Location: 40, Royle Green Road, Manchester, Lancashire, M22 4NG Classification: Furniture - Reproduction Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	368	-	383176 389926
147	Contemporary Trade Directory Entries Name: A M Ingredients Ltd Location: Unit 13, Wearlee Works, 102, Longley Lane, Manchester, M22 4SY Classification: Meat - Wholesale Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	553	-	383047 389613
147	Contemporary Trade Directory Entries Name: A S Motor Services Location: Wearlee Works, Longley Lane, Sharston Industrial Area, Manchester, M22 4WT Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	553	-	383047 389613
147	Contemporary Trade Directory Entries Name: Northenden Service Station Location: Unit 11 Wearlee Works, Harling Rd, Sharston Industrial Area, Manchester, Greater Manchester, M22 4WT Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the address or location	A8NE (S)	553	-	383046 389612
147	Contemporary Trade Directory Entries Name: Pinder William & Sons Ltd Location: Harling Road, Sharston Industrial Area, Manchester, Lancashire, M22 4UZ Classification: Printing Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	553	-	383047 389613
147	Contemporary Trade Directory Entries Name: A S Motors Location: Wearlee Works, Longley Lane, Sharston Industrial Area, Manchester, Lancashire, M22 4WT Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	553	-	383047 389613
147	Contemporary Trade Directory Entries Name: A S Motors Location: Unit 12, Wearlee Works, Longley Lane, Sharston Industrial Area, Manchester, M22 4WT Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	553	-	383047 389613
148	Contemporary Trade Directory Entries Name: Vita Liquid Polymers Ltd Location: Harling Road, Sharston Industrial Area, Manchester, M22 4SZ Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	604	-	383023 389551

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	Contemporary Trade Directory Entries Name: Vita Liquid Polymers Location: Harling Road, Sharston Industrial Area, Manchester, Lancashire, M22 4SZ Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	604	-	383023 389551
148	Contemporary Trade Directory Entries Name: Vita Liquid Polymers Location: Harling Road, Sharston Industrial Area, Manchester, M22 4SZ Classification: Adhesives, Glues & Sealants Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	605	-	383023 389550
149	Contemporary Trade Directory Entries Name: The Print Solution Location: 19, Bradgate Close, Manchester, Lancashire, M22 4LY Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	622	-	383264 389663
150	Contemporary Trade Directory Entries Name: P J M Freight Location: Unit 4, The Oakfield Centre, Harling Road, Sharston Industrial Area, Manchester, M22 4UX Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	651	-	383124 389539
150	Contemporary Trade Directory Entries Name: Belly Button Designs Location: Unit 1, The Oakfield Centre, Harling Road, Sharston Industrial Area, Manchester, M22 4UX Classification: Greeting Card Publishers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	651	-	383124 389539
150	Contemporary Trade Directory Entries Name: Euro Garages Location: 106, Longley Lane, Manchester, M22 4SY Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	673	-	383172 389539
150	Contemporary Trade Directory Entries Name: B P Service Station Location: Longley Lane, Manchester, Greater Manchester, M22 4SY Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	674	-	383172 389538
150	Contemporary Trade Directory Entries Name: National Tyres & Autocare Location: Longley Lane, MANCHESTER, M22 4SY Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	706	-	383196 389514
151	Contemporary Trade Directory Entries Name: E C G Groups Ltd Location: Phoenix House, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	708	-	382828 389421
152	Contemporary Trade Directory Entries Name: Economy Gas Ltd Location: Universal House Longley la, Manchester, Greater Manchester, M22 4SY Classification: Gas Suppliers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SE (SE)	731	-	383191 389483
152	Contemporary Trade Directory Entries Name: Eagletechnical Products Ltd Location: Longley La, Manchester, Lancashire, M22 4SY Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SE (SE)	731	-	383191 389483

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	Contemporary Trade Directory Entries Name: Regal Cast Iron Radiators Location: 9, Banstead Avenue, Manchester, M22 4AQ Classification: Central Heating Supplies & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	751	-	382728 389386
154	Contemporary Trade Directory Entries Name: Cheadle Breakdown Service Location: Bradnor Point, Paston Road, Sharston Industrial Area, Manchester, M22 4TF Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	760	-	382873 389369
154	Contemporary Trade Directory Entries Name: Yusen Logistics Location: Bradnor Rd, Sharston Ind Area, Manchester, Lancashire, M22 4TE Classification: Freight Forwarders Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	760	-	382873 389369
155	Contemporary Trade Directory Entries Name: Juiceworks Ltd Location: Sonex House, Sharston Road, Sharston Industrial Area, Manchester, M22 4RX Classification: Soft Drinks - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (SE)	774	-	383179 389429
155	Contemporary Trade Directory Entries Name: Juice Works Location: Sonex House, Sharston Road, Sharston Industrial Area, Manchester, M22 4RX Classification: Soft Drinks - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (SE)	774	-	383179 389429
155	Contemporary Trade Directory Entries Name: K B Tyres Ltd Location: 9 Wootton Trading Estate, Newport Pagnell Road, Manchester, Greater Manchester, M22 4SY Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	777	-	383222 389447
155	Contemporary Trade Directory Entries Name: Discount Gas Location: Sharston House, Sharston Road, Sharston Industrial Area, Manchester, M22 4RX Classification: Gas Companies Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	803	-	383219 389417
156	Contemporary Trade Directory Entries Name: Egerton'S Recovery Services Location: Paston Road, Sharston Industrial Area, Manchester, M22 4TF Classification: Car Breakdown & Recovery Services Status: Active Positional Accuracy: Automatically positioned in the proximity of the address	A8SW (S)	818	-	382785 389312
156	Contemporary Trade Directory Entries Name: Cronin 24hr Breakdown Service Location: Paston Road, Manchester, Lancashire, m22 4tf Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	823	-	382817 389306
157	Contemporary Trade Directory Entries Name: Heimbach Location: Bradnor Road, Sharston Industrial Area, Manchester, M22 4TS Classification: Paper & Cardboard Products & Packaging - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	821	-	382947 389314
158	Contemporary Trade Directory Entries Name: B & H Fencing Location: Yew Tree La, Manchester, M23 0EA Classification: Fencing Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	857	-	382073 390556

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	Contemporary Trade Directory Entries Name: Electrium Sales Ltd Location: Sharston Road, Sharston Industrial Area, Manchester, M22 4RA Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	871	-	383229 389346
159	Contemporary Trade Directory Entries Name: Electrium Sales Ltd Location: South Court, Sharston Rd, Manchester, Lancashire, M22 4SN Classification: Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	871	-	383228 389345
160	Contemporary Trade Directory Entries Name: Arla Foods Location: Paston Road, Sharston Industrial Area, Manchester, M22 4UA Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	933	-	382733 389202
160	Contemporary Trade Directory Entries Name: Arla Foods Location: Paston Road, Sharston Industrial Area, Manchester, M22 4UA Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	933	-	382733 389202
161	Contemporary Trade Directory Entries Name: Top Tyres Ltd Location: 122, Longley Lane, Manchester, M22 4SY Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	947	-	383315 389304
161	Contemporary Trade Directory Entries Name: Top Gear Motors Location: 122, Longley Lane, Manchester, M22 4SY Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	947	-	383315 389304
161	Contemporary Trade Directory Entries Name: Siltint Industries Ltd Location: 124, Longley Lane, Manchester, M22 4SP Classification: Optical Goods - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	972	-	383347 389294
161	Contemporary Trade Directory Entries Name: A C P Autos Location: Harper Road, Sharston Industrial Area, Manchester, M22 4RG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	972	-	383347 389294
161	Contemporary Trade Directory Entries Name: Miller Autos Location: 124, Longley Lane, Manchester, M22 4SP Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	973	-	383347 389293
161	Contemporary Trade Directory Entries Name: Midas Motors Location: Harper Road, Sharston Industrial Area, Manchester, M22 4RG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	975	-	383292 389260
161	Contemporary Trade Directory Entries Name: Quic Fix Location: Unit 2, Harper House, Harper Road, Sharston Industrial Area, Manchester, M22 4RG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	987	-	383319 389261

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	Contemporary Trade Directory Entries Name: Renu-Nw Location: Harper House, Harper Road, Manchester, M22 4RG Classification: French Polishing Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	987	-	383319 389261
161	Contemporary Trade Directory Entries Name: Oak Fields Autos Location: Unit 5, Harper House, Harper Road, Sharston Industrial Area, Manchester, M22 4RG Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	987	-	383319 389261
161	Contemporary Trade Directory Entries Name: Inkguard Location: Unit 4 Harper House, Harper Road, Sharston Industrial Area, Manchester, Greater Manchester, M22 4RG Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	987	-	383319 389261
161	Contemporary Trade Directory Entries Name: Master Chemicals (Leeds) Ltd Location: Harper Road, Sharston Industrial Area, MANCHESTER, M22 4RG Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	997	-	383341 389261
161	Contemporary Trade Directory Entries Name: V F M Auto Service Centre Location: Harper Road, Sharston Industrial Area, Manchester, Lancashire, M22 4RG Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	997	-	383341 389261
161	Contemporary Trade Directory Entries Name: Quicfix Tyre And Garage Services Wythenshawe Location: Unit 2, Manchester, Lancashire, m22 4rg Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	998	-	383341 389261
162	Contemporary Trade Directory Entries Name: Scotchgard Protector Services Location: Alpha Point, Bradnor Rd, Sharston Ind Area, Manchester, Lancashire, M22 4TE Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	954	-	383038 389194
163	Contemporary Trade Directory Entries Name: Bollore Logistics Location: Unit 3, Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	965	-	382988 389174
163	Contemporary Trade Directory Entries Name: Bollore Logistics Location: Unit 3, Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	965	-	382988 389174
163	Contemporary Trade Directory Entries Name: S T V Bernard Ltd Location: Unit 3, Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NE (S)	995	-	382966 389141
164	Contemporary Trade Directory Entries Name: Nu-Pax Adhesive Tapes Ltd Location: Harper Rd, Sharston Industrial Area, Manchester, M22 4RG Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	992	-	383277 389234

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	Fuel Station Entries Name: Rss St Hildas Location: 304, Palatine Road St Hildas Road, Northenden , Manchester, Greater Manchester, M22 4FW Brand: Esso Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A13NE (NE)	246	-	383038 390387
166	Fuel Station Entries Name: Northenden Service Station Location: 265, Palatine Road , Northenden , Manchester, Greater Manchester, M22 4ET Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A13NE (NE)	397	-	383147 390493
167	Fuel Station Entries Name: Royle Green Filling Station Location: 106, Longley Lane , Northenden , Manchester, Greater Manchester, M22 4SY Brand: BP Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A8NE (SE)	716	-	383201 389506
168	Points of Interest - Commercial Services Name: Northenden Car Centre Location: 407a Palatine Road, Manchester, M22 4JS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (S)	108	8	382821 390023
169	Points of Interest - Commercial Services Name: North West Harleys Location: 18 Kingsley Road, Manchester, M22 4NL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (S)	198	8	382894 389936
169	Points of Interest - Commercial Services Name: Rudy's Autotek Location: 18 Kingsley Road, Manchester, M22 4NL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (S)	199	8	382906 389938
169	Points of Interest - Commercial Services Name: T R S Tyres Location: 18 Kingsley Road, Manchester, M22 4NL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (S)	199	8	382906 389938
170	Points of Interest - Commercial Services Name: Rss St Hildas Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NE (NE)	246	8	383038 390387
170	Points of Interest - Commercial Services Name: Car Wash Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13NE (NE)	247	8	383039 390388
171	Points of Interest - Commercial Services Name: D Race & Sons Location: 7a Boat Lane, Manchester, M22 4HR Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A14SW (E)	322	8	383219 390134
171	Points of Interest - Commercial Services Name: Breakers Yard Location: M22 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A14SW (E)	337	8	383235 390138

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
172	Points of Interest - Commercial Services Name: Halfords Autocentre Location: 271 Palatine Road, Manchester, M22 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	350	8	383132 390443
173	Points of Interest - Commercial Services Name: Northenden Service Station Location: Unit 11 Wearlee Works, Harling Rd, Sharston, Manchester, Lancashire, M22 4WT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	553	8	383046 389612
173	Points of Interest - Commercial Services Name: A S Motors Location: Wearlee Works, Longley Lane, Sharston Industrial Area, Manchester, M22 4WT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	553	8	383047 389613
173	Points of Interest - Commercial Services Name: A S Motors Location: 11 Wearlee Works, Longley Lane, Sharston Industrial Area, Manchester, M22 4WT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	553	8	383047 389613
173	Points of Interest - Commercial Services Name: Northenden Service Station Location: Unit 11 Wearlee Works, Harling Road, Sharston Industrial Area, Manchester, M22 4WT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	611	8	383092 389568
174	Points of Interest - Commercial Services Name: Car Wash Location: 106 Longley Lane, Manchester, M22 4SY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (SE)	673	8	383172 389539
174	Points of Interest - Commercial Services Name: National Tyres and Autocare Location: Longley Lane, Manchester, M22 4SY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	706	8	383195 389514
174	Points of Interest - Commercial Services Name: National Tyres and Autocare Location: Longley Lane, Northenden, Manchester, M22 4SY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	706	8	383196 389514
174	Points of Interest - Commercial Services Name: Royle Green Filling Station Location: 106 Longley Lane, Manchester, M22 4SY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (SE)	707	8	383170 389499
174	Points of Interest - Commercial Services Name: B P Car Wash Location: Longley Lane, Manchester, M22 4SY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (SE)	707	8	383170 389499
175	Points of Interest - Commercial Services Name: Yusen Logistics Location: Unit 1 Sharston Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	780	8	383039 389373

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	Points of Interest - Commercial Services Name: Arla Foods Location: Paston Road, Sharston Industrial Area, Manchester, M22 4UA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SW (S)	933	8	382733 389202
177	Points of Interest - Commercial Services Name: Top Gear Motors Location: 122 Longley Lane, Manchester, M22 4SY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	947	8	383315 389304
177	Points of Interest - Commercial Services Name: A C P Autos Location: Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	972	8	383346 389293
177	Points of Interest - Commercial Services Name: K N G Auto Services Location: 124 Longley Lane, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	972	8	383347 389294
177	Points of Interest - Commercial Services Name: Miller Autos Location: 124 Longley Lane, Manchester, M22 4SP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	973	8	383347 389293
177	Points of Interest - Commercial Services Name: Oak Fields Autos Location: Unit 5 Harper House, Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	988	8	383319 389260
177	Points of Interest - Commercial Services Name: Gatley Auto Services Location: Unit 2 Harper House, Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	989	8	383321 389259
177	Points of Interest - Commercial Services Name: Quic Fix Location: Unit 2 Harper House, Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	989	8	383320 389259
177	Points of Interest - Commercial Services Name: V F M Auto Service Centre Location: Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SW (SE)	997	8	383341 389261
178	Points of Interest - Commercial Services Name: Bollere Logistics Location: Unit 3 Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	966	8	382988 389173
178	Points of Interest - Commercial Services Name: S D V Ltd Location: Unit 3 Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3NE (S)	995	8	382966 389141

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
178	Points of Interest - Commercial Services Name: Bollore Logistics Location: Unit 3 Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3NE (S)	995	8	382966 389141
178	Points of Interest - Commercial Services Name: J Bernard & Co Ltd Location: Unit 3 Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A3NE (S)	995	8	382966 389141
179	Points of Interest - Manufacturing and Production Name: Tank Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	714	8	383127 390868
180	Points of Interest - Manufacturing and Production Name: Tank Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	729	8	383123 389454
180	Points of Interest - Manufacturing and Production Name: Tanks Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	768	8	383145 389420
181	Points of Interest - Manufacturing and Production Name: Industrial Area Location: M22 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	915	8	383252 389308
181	Points of Interest - Manufacturing and Production Name: Tank Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	961	8	383261 389261
182	Points of Interest - Manufacturing and Production Name: Tank Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	979	8	383388 389311
183	Points of Interest - Public Infrastructure Name: Tesco Petrol Filling Station Location: 404-406 Palatine Road, Manchester, M22 4JT Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (S)	34	8	382845 390095
184	Points of Interest - Public Infrastructure Name: Esso Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	246	8	383038 390387
184	Points of Interest - Public Infrastructure Name: Rss St Hildas Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	246	8	383038 390387

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	Points of Interest - Public Infrastructure Name: St Hildas Service Station Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	247	8	383039 390388
184	Points of Interest - Public Infrastructure Name: Esso Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	247	8	383039 390388
184	Points of Interest - Public Infrastructure Name: St Hildas Service Station Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	247	8	383039 390388
185	Points of Interest - Public Infrastructure Name: Weir Location: M22 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	348	8	383221 390312
185	Points of Interest - Public Infrastructure Name: Weir Location: M22 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	352	8	383225 390312
185	Points of Interest - Public Infrastructure Name: Sluice Location: M22 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	406	8	383275 390332
186	Points of Interest - Public Infrastructure Name: BP Service Station Location: 106 Longley Lane, Manchester, M22 4SY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	673	8	383172 389539
186	Points of Interest - Public Infrastructure Name: BP Service Station Location: Royle Green Filling Station, Longley Lane, Manchester, M22 4SY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	673	8	383172 389538
186	Points of Interest - Public Infrastructure Name: Euro Garages Location: 106 Longley Lane, Manchester, M22 4SY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	673	8	383172 389539
186	Points of Interest - Public Infrastructure Name: Royle Green Filling Station Location: 106 Longley Lane, Manchester, M22 4SY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	673	8	383172 389539
186	Points of Interest - Public Infrastructure Name: Bus Depot Location: M22 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	678	8	383110 389503
186	Points of Interest - Public Infrastructure Name: Royle Green Filling Station Location: 106 Longley Lane, Manchester, M22 4SY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	716	8	383201 389505

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
187	Points of Interest - Public Infrastructure Name: Sewage Pumping Station (Underground) Location: M21 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	791	8	382473 390888
187	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: M21 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	805	8	382471 390903
188	Points of Interest - Recreational and Environmental Name: Play Area Location: M22 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	312	8	383176 390324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	Ancient Woodland Name: Black Field Wood Reference: 1505487 Area(m²): 7592.78 Type: Ancient and Semi-Natural Woodland	A7NE (SW)	757	9	382387 389522
190	Ancient Woodland Name: Rounds Wood Reference: 1505493 Area(m²): 17449.19 Type: Ancient and Semi-Natural Woodland	A7SE (SW)	831	9	382472 389384
191	Areas of Adopted Green Belt Authority: Manchester City Council Plan Name: Proposals Map Status: Adopted Plan Date: 11th July 2012	A13NE (NE)	258	10	383121 390311
192	Local Nature Reserves Name: Wythenshawe Park Multiple Area: N Area (m2): 854545.24 Source: Natural England Designation Date: Not Supplied	A12SE (W)	585	9	382263 389994

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Macclesfield Borough Council (now part of Cheshire East Council) - Health and Public Safety Environment Agency - Head Office Trafford Metropolitan Borough Council - Renewal and Environmental Protection Manchester City Council - Environmental Health Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environment Team (Land & Water) Cheshire East Council - Environmental Health Department	July 2008 June 2020 November 2013 October 2017 October 2017 October 2017 October 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually
Discharge Consents Environment Agency - North West Region	January 2022	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	January 2022	Quarterly
Local Authority Integrated Pollution Prevention And Control Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department Cheshire East Council - Environmental Health Department Manchester City Council - Environmental Health Department	February 2009 March 2015 October 2014 October 2014 September 2014 September 2014	Not Applicable Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department Cheshire East Council - Environmental Health Department	February 2009 March 2015 October 2014 October 2014 September 2014 September 2014	Not Applicable Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually
Local Authority Pollution Prevention and Control Enforcements Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department Cheshire East Council - Environmental Health Department Manchester City Council - Environmental Health Department	February 2009 March 2015 October 2014 October 2014 September 2014 September 2014	Not Applicable Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 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 Scottish Environment Protection Agency - Head Office Environment Agency - North West Region	January 1998 June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable

Agency & Hydrological	Version	Update Cycle
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	January 2022	Quarterly
Water Abstractions Environment Agency - North West Region	January 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
Source Protection Zones Environment Agency - Head Office	May 2021	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2022	Quarterly
Flood Defences Environment Agency - Head Office	February 2022	Quarterly
OS Water Network Lines Ordnance Survey	January 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	January 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	January 2022	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	January 2022	Quarterly
Local Authority Landfill Coverage Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department Manchester City Council - Planning Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department Manchester City Council - Planning Department Salford City Council - Environmental Health Department Stockport Metropolitan Borough Council - Environmental Health Department, EEDD Trafford Metropolitan Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018 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 Trafford Metropolitan Borough Council Macclesfield Borough Council (now part of Cheshire East Council) - Planning Department Cheshire East Council - Planning Department Manchester City Council - Planning Department Stockport Metropolitan Borough Council - Environment and Economic Development Cheshire County Council (now part of Cheshire East Council) - Planning Department Salford City Council	April 2016 December 2008 February 2016 February 2016 February 2016 July 2008 June 2016	Variable Not Applicable Variable Variable Variable Annual Rolling Update Variable
Planning Hazardous Substance Consents Trafford Metropolitan Borough Council Macclesfield Borough Council (now part of Cheshire East Council) - Planning Department Cheshire East Council - Planning Department Manchester City Council - Planning Department Stockport Metropolitan Borough Council - Environment and Economic Development Cheshire County Council (now part of Cheshire East Council) - Planning Department Salford City Council	April 2016 December 2008 February 2016 February 2016 February 2016 July 2008 June 2016	Variable Not Applicable Variable Variable Variable Annual Rolling Update 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	November 2021	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	January 2022	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2021	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	March 2022	Quarterly
Points of Interest - Education and Health PointX	March 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	March 2022	Quarterly
Points of Interest - Public Infrastructure PointX	March 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	March 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

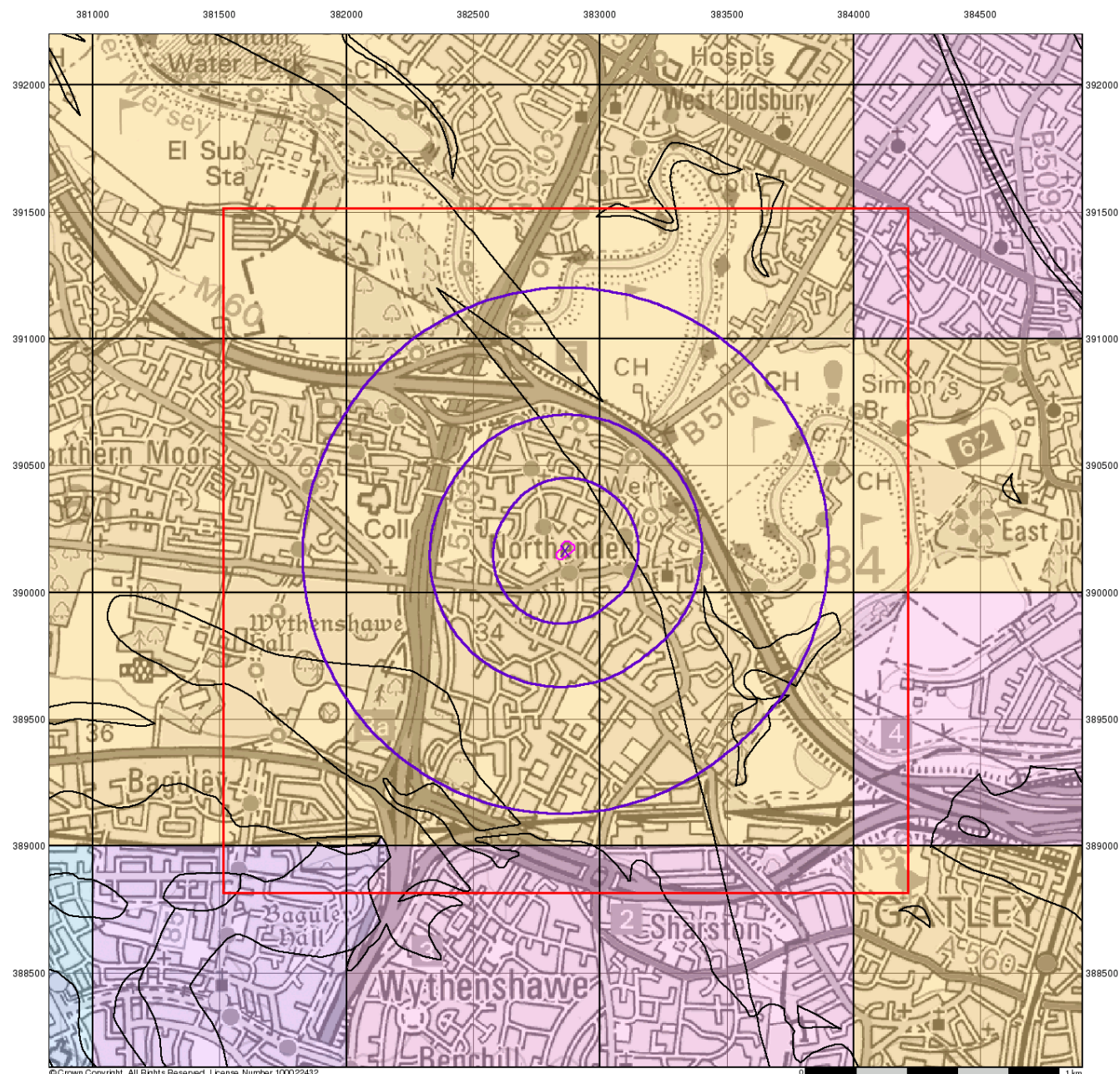
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Cheshire East Council - Planning Department Macclesfield Borough Council (now part of Cheshire East Council) Manchester City Council Salford City Council Stockport Metropolitan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

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	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

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	Manchester City Council - Environmental Health Department PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY	Telephone: 0161 234 4884 / 234 4873. Fax: 0161 234 4508 Website: www.manchester.gov.uk
4	Scottish Environment Protection Agency - Head Office Erskine Court, The Castle Business Park, Stirling, Stirlingshire, FK9 4TR	Telephone: 01786 457700 Fax: 01786 446885
5	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
6	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
7	Manchester City Council - Planning Department Town Hall, Manchester, Greater Manchester, M60 2LA	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	Manchester City Council Town Hall, Albert Square, Manchester, Greater Manchester, M60 2JT	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
11	Stockport Metropolitan Borough Council Hygarth House, 103 Wellington Road South, Stockport, Greater Manchester, SK1 3TP	Telephone: 0161 480 4949 Fax: 0161 477 9530 Website: www.stockport.gov.uk
12	Trafford Metropolitan Borough Council P O Box 14, Trafford Town Hall, Talbot Road, Stretford, Greater Manchester, M32 0YZ	Telephone: 0161 912 1212 Fax: 0161 873 7783 Website: www.trafford.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Groundwater Vulnerability

General

- Specified Site ○ Specified Buffer(s) X Bearing Reference Point
- Slice 8 Map ID

Agency and Hydrological

Bedrock Aquifers

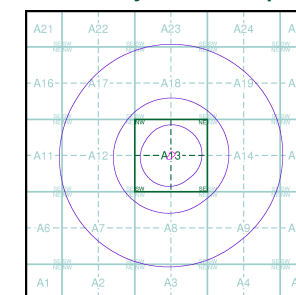
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- ⋯ Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

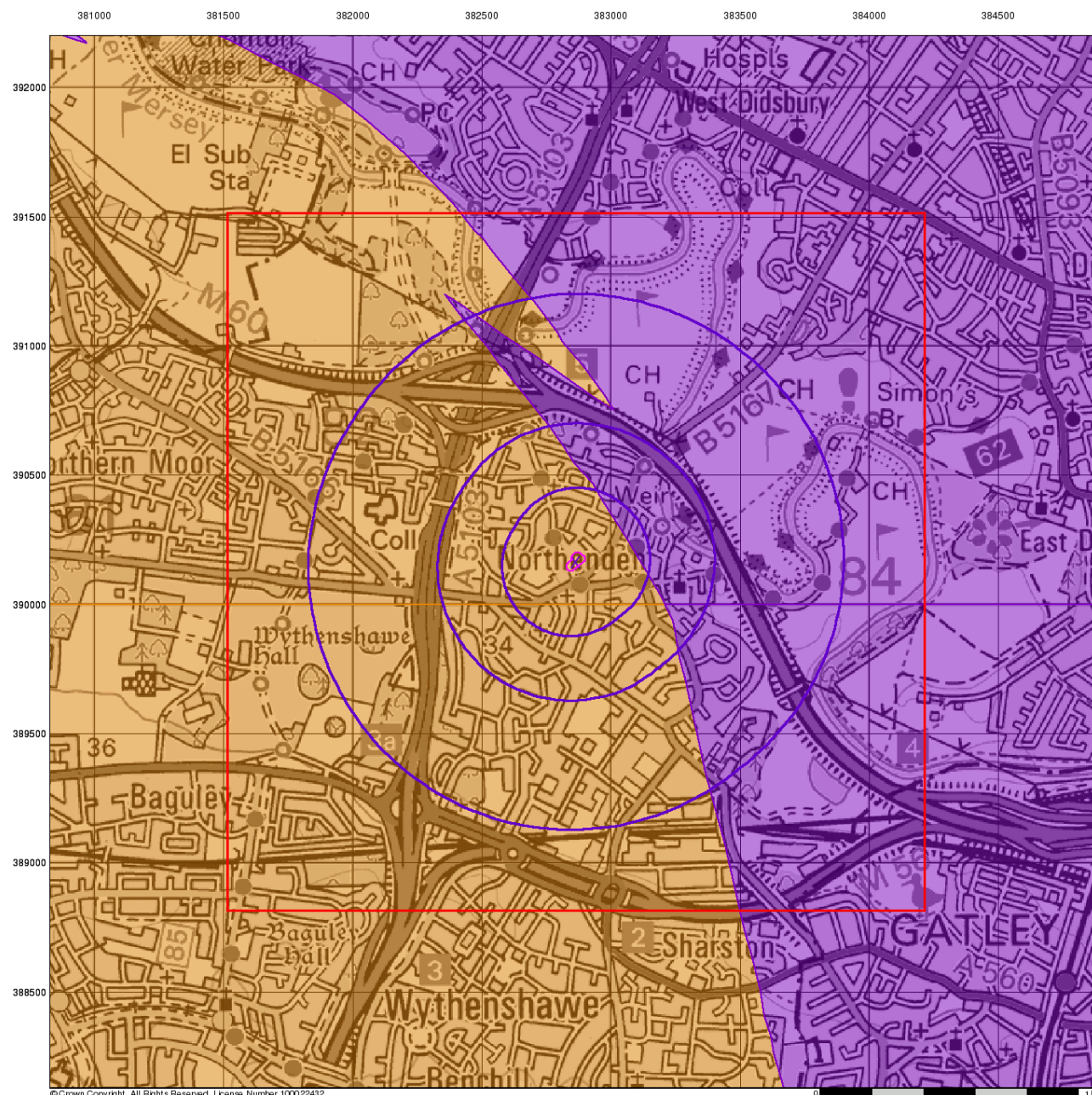
Order Number: 291975093_1_1
 Customer Ref: GS1641_JS
 National Grid Reference: 382860, 390160
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ

Landmark
 INFORMATION GROUP

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



Bedrock Aquifer Designation

General

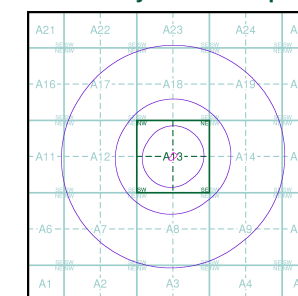
-  Specified Site
  Specified Buffer(s)
  Bearing Reference Point

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

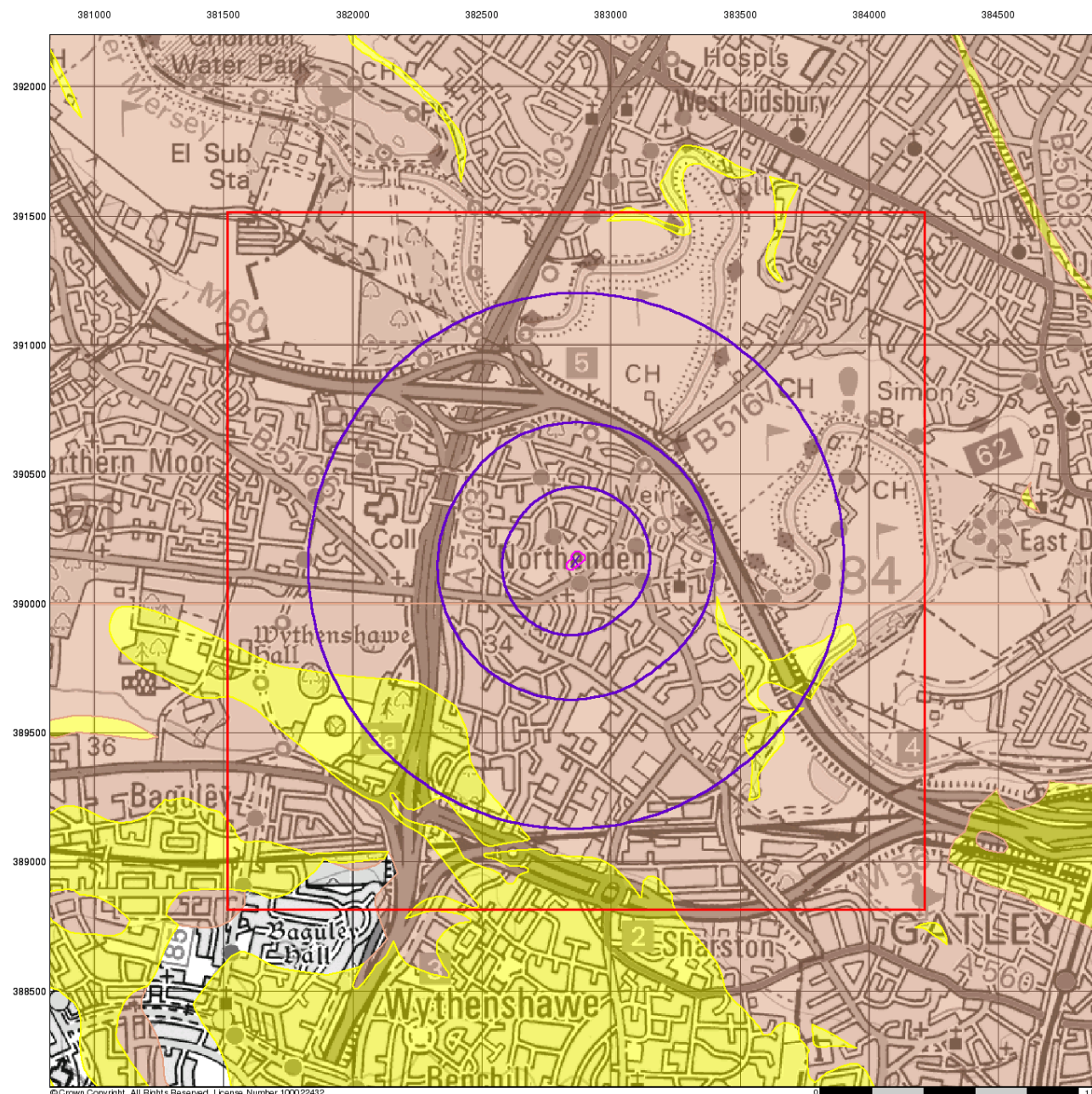
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Customer Ref:	GS1641 JS
National Grid Reference:	382860, 390160
Slice:	A
Site Area (Ha):	0.31
Search Buffer (m):	1000

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Superficial Aquifer Designation

General

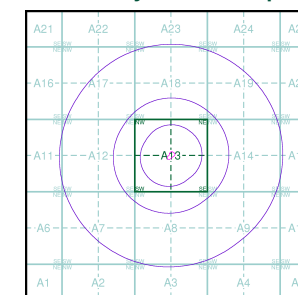
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

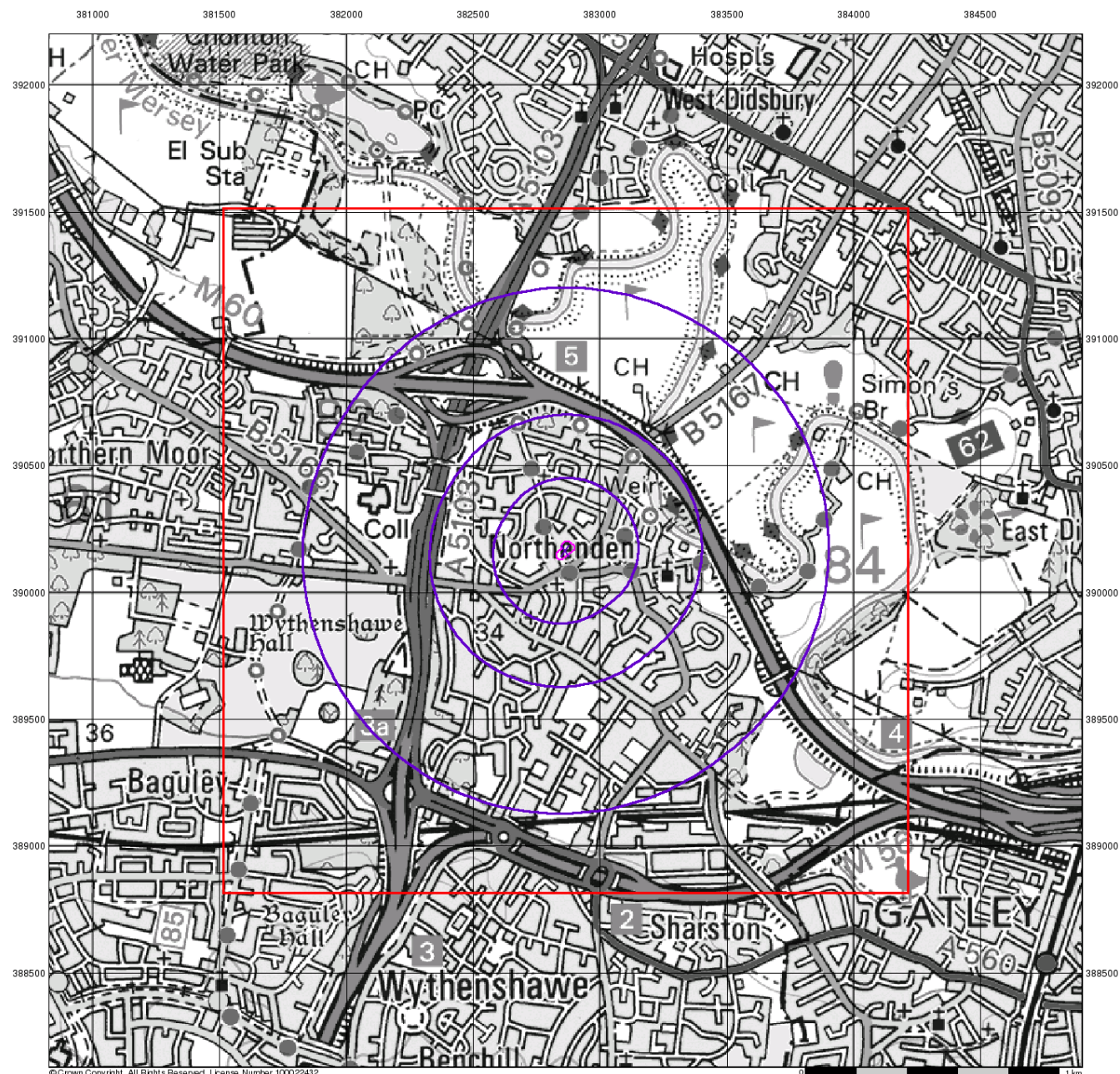
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 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

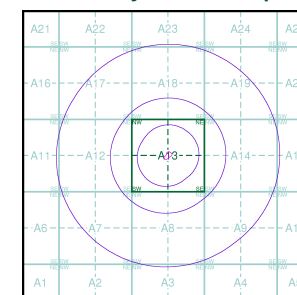
General

- ◆ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B 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



Order Details

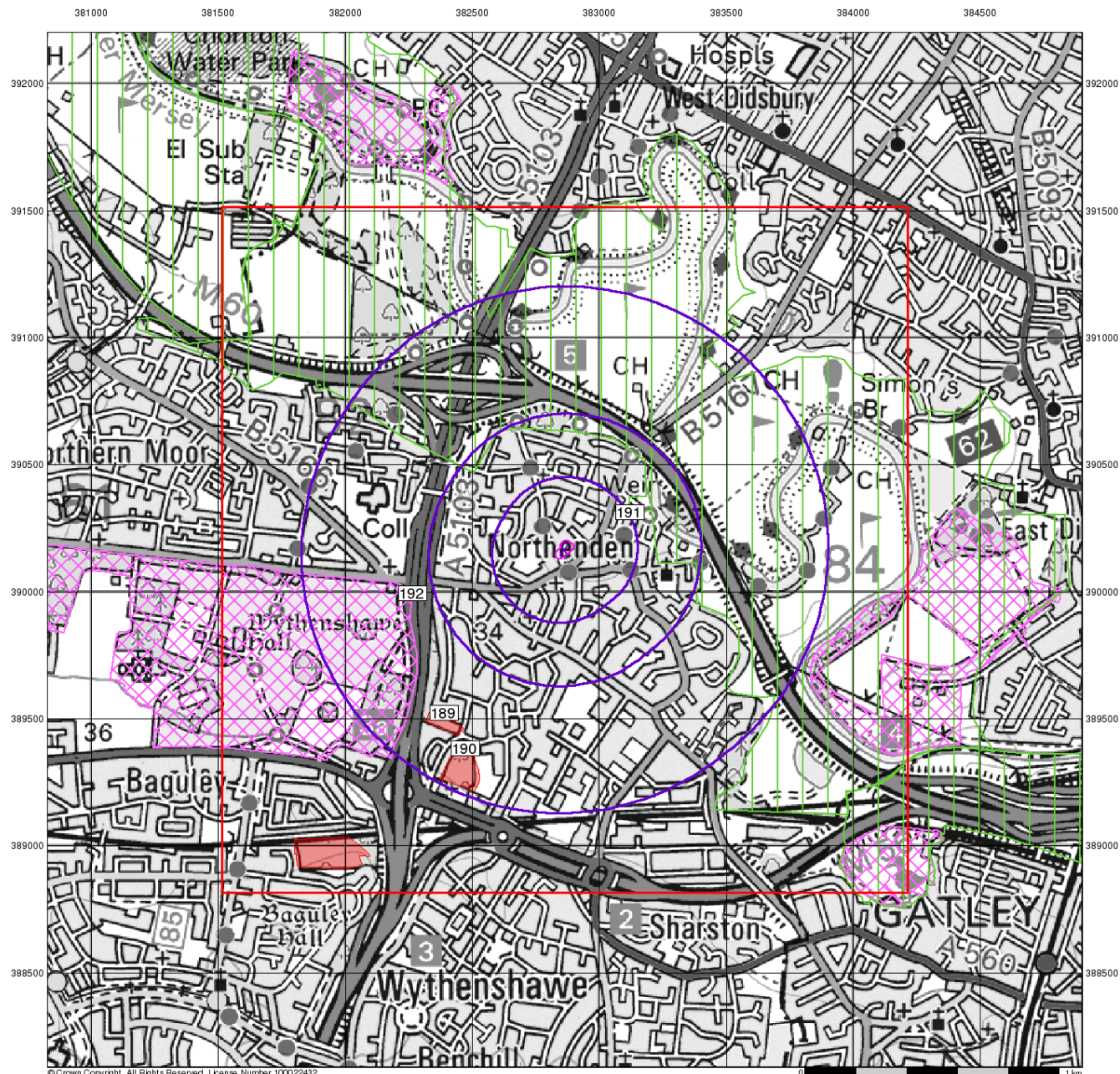
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 Customer Ref: GS1641_JS
 National Grid Reference: 382860, 390160
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

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Sensitive Land Uses

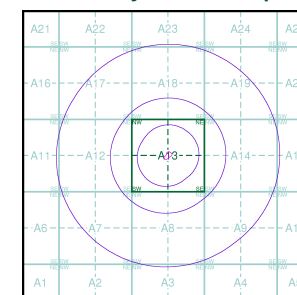
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

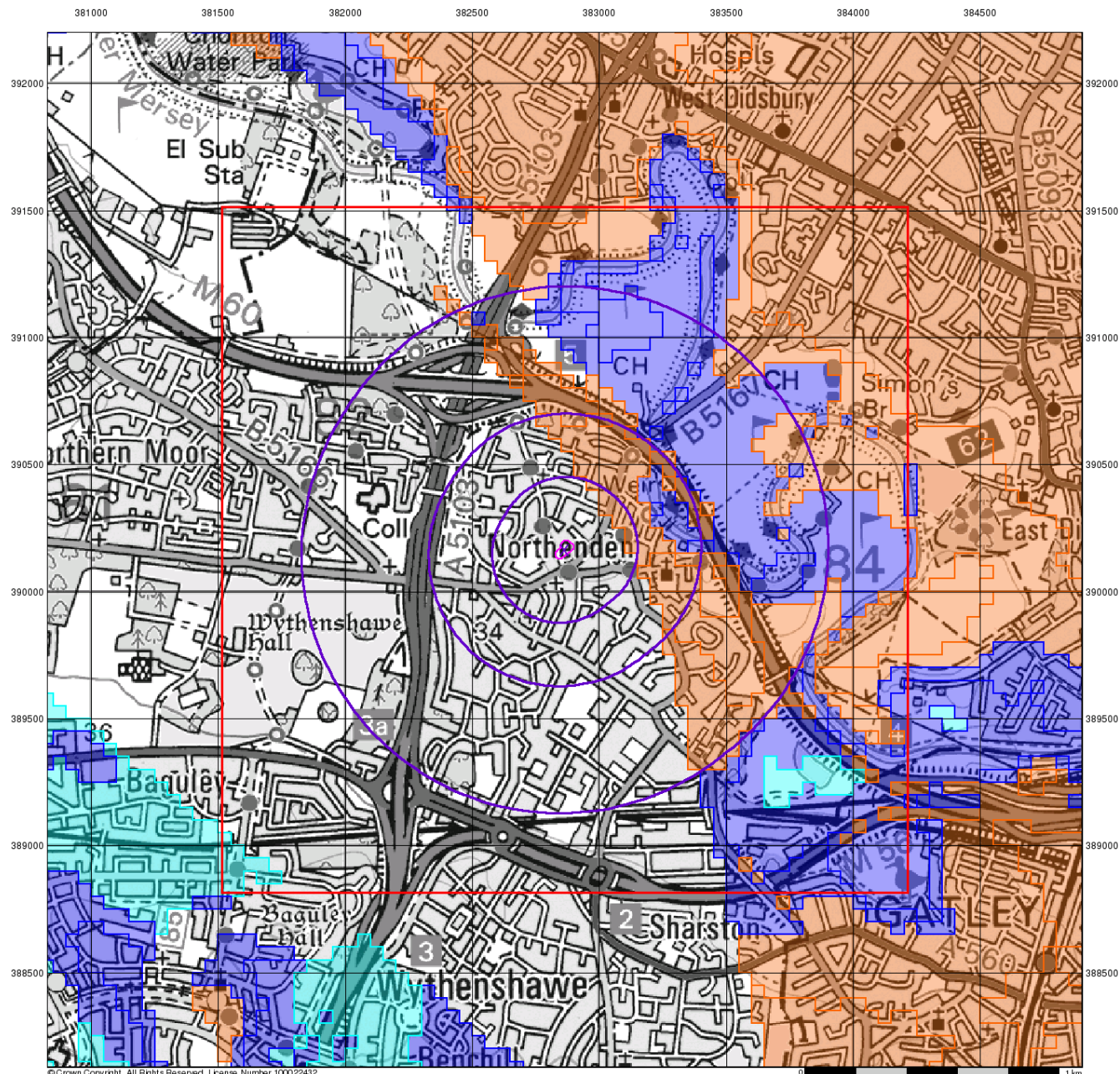
Order Number: 291975093_1_1
 Customer Ref: GSI1641_JS
 National Grid Reference: 382860, 390160
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

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BGS Flood GFS Data

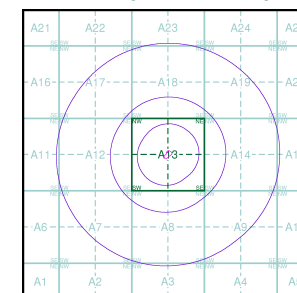
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 291975093_1_1
 Customer Ref: GSI1641_JS
 National Grid Reference: 382860, 390160
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

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Geology 1:50,000 Maps Legends

Superficial Geology

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

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	HEY	Helsby Sandstone Formation	Sandstone, Pebbly (Gravelly)	Not Supplied - Anisian
	BOM	Bollin Mudstone Member	Mudstone	Not Supplied - Anisian
	TPSF	Tarporley Siltstone Formation	Siltstone, Mudstone and Sandstone	Not Supplied - Olenekian
	CHES	Chester Formation	Sandstone, Pebbly (Gravelly)	Not Supplied - Olenekian
	WLSF	Wilmslow Sandstone Formation	Sandstone	Not Supplied - Early Triassic
		Faults		



Geology 1:50,000 Maps

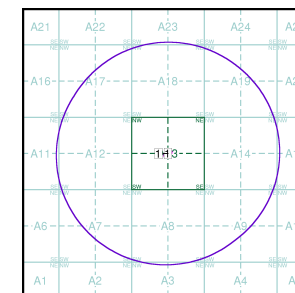
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	098
Map Name:	Stockport
Map Date:	1962
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

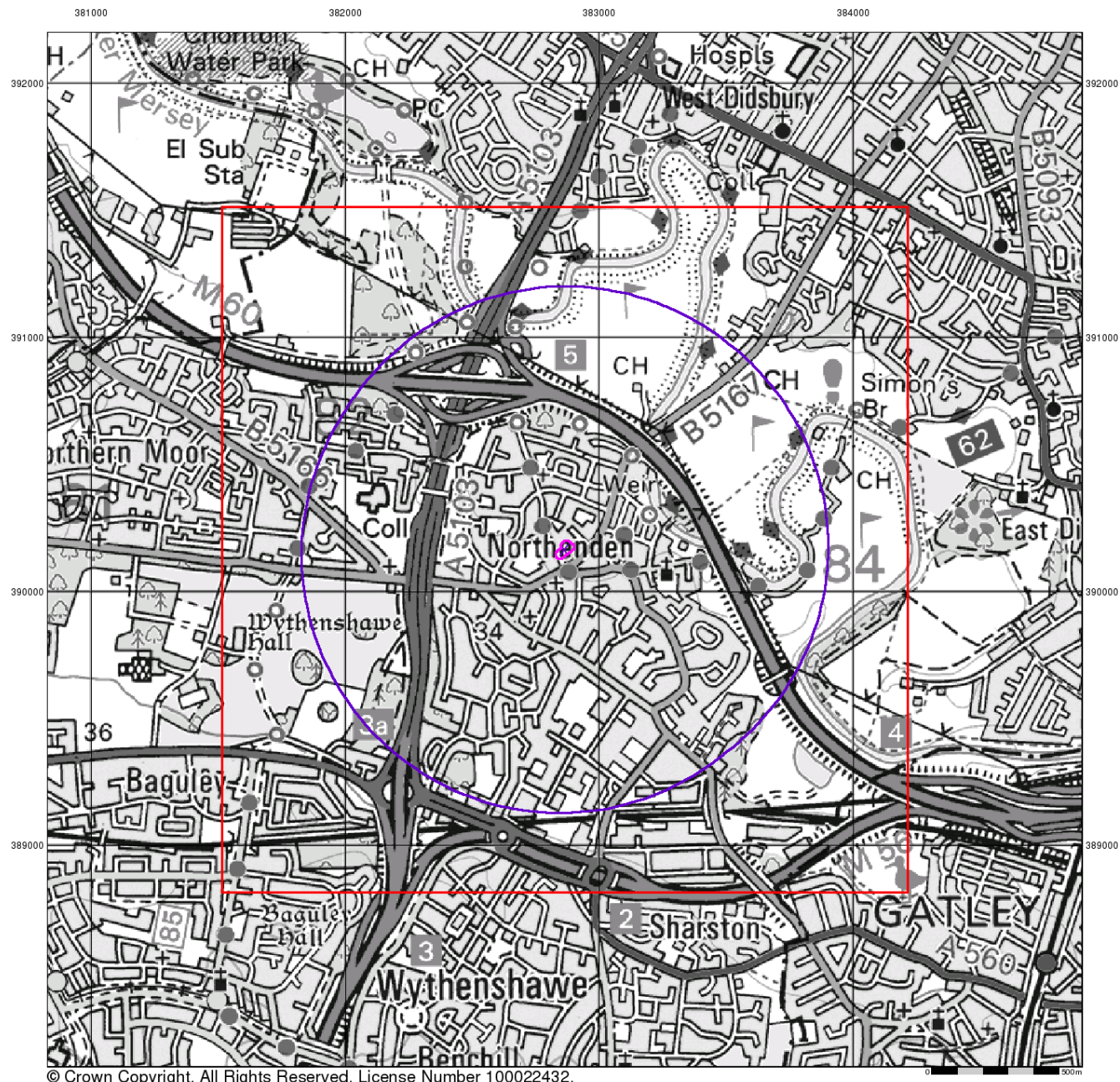


Order Details:

Order Number:	291975093_1_1
Customer Reference:	GS1641 JS
National Grid Reference:	382860, 390160
Slice:	A
Site Area (Ha):	0.31
Search Buffer (m):	1000

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Artificial Ground and Landslip

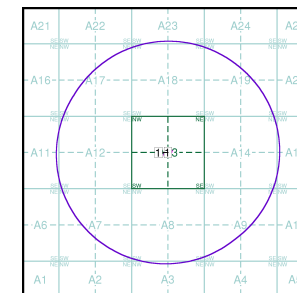
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

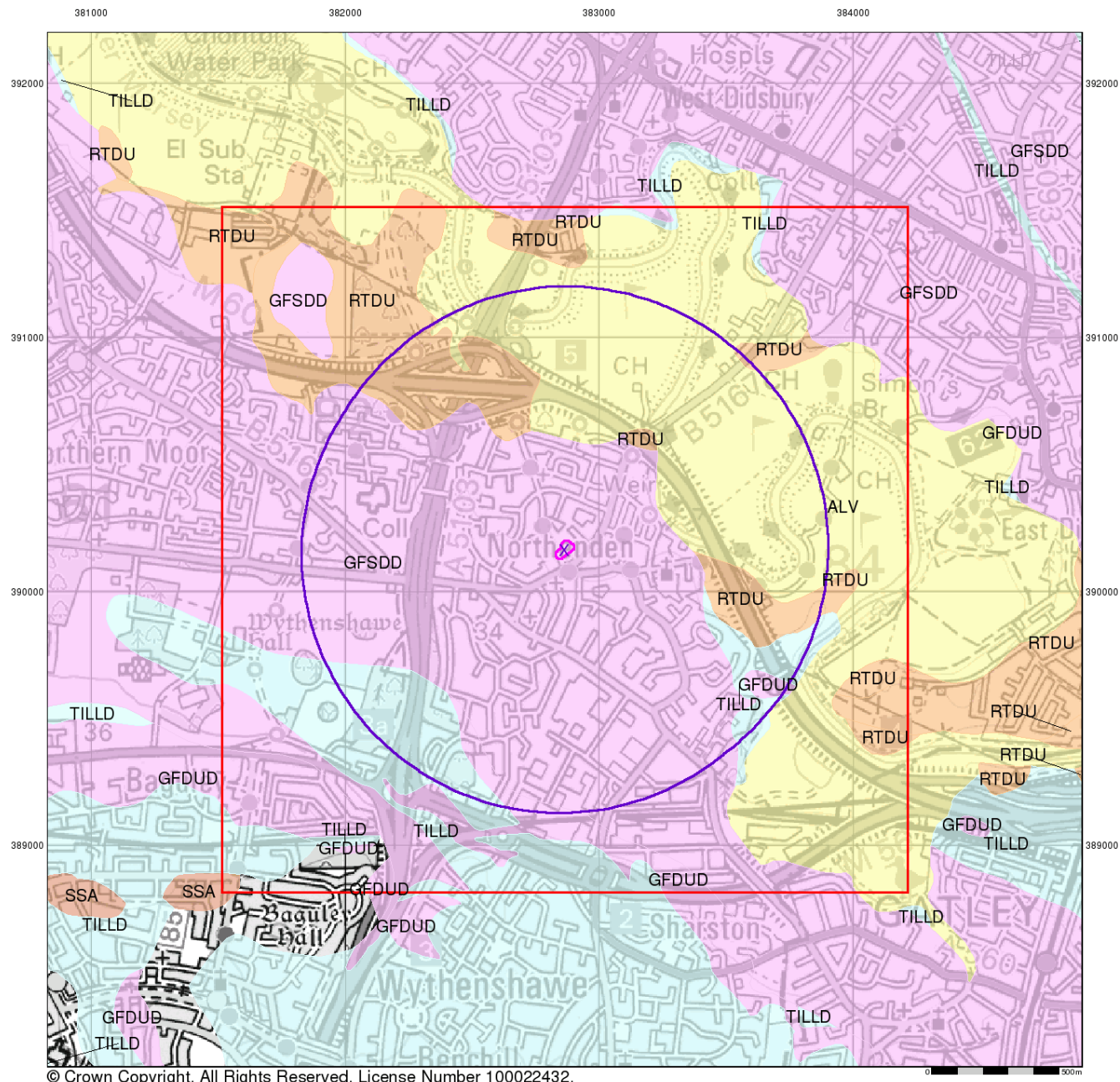
Order Number: 291975093_1_1
 Customer Reference: GSI1641_JS
 National Grid Reference: 382860, 390160
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details:

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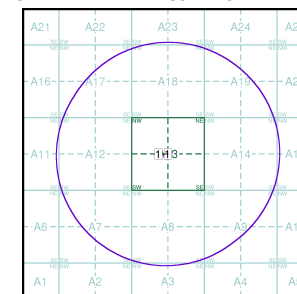
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

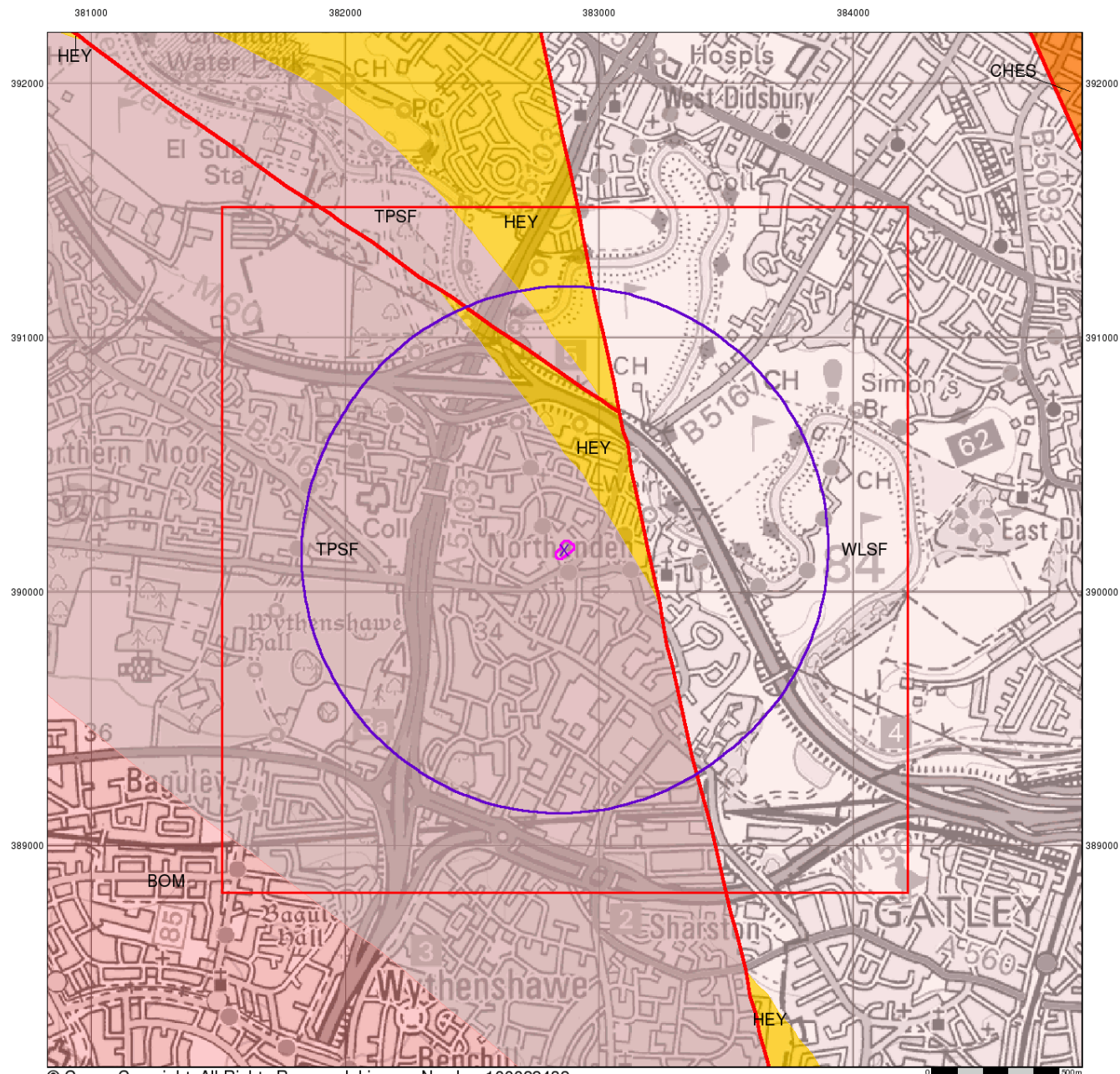
Order Number: 291975093_1_1
 Customer Reference: GSI1641_JS
 National Grid Reference: 382860, 390160
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details:

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Bedrock and Faults

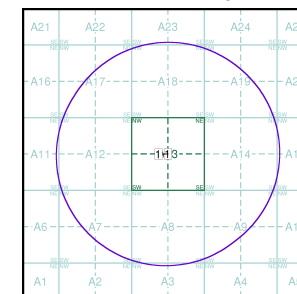
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

Order Number: 291975093_1_1
 Customer Reference: GSI1641_JS
 National Grid Reference: 382860, 390160
 Slice: A
 Site Area (Ha): 0.31
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Site Details:

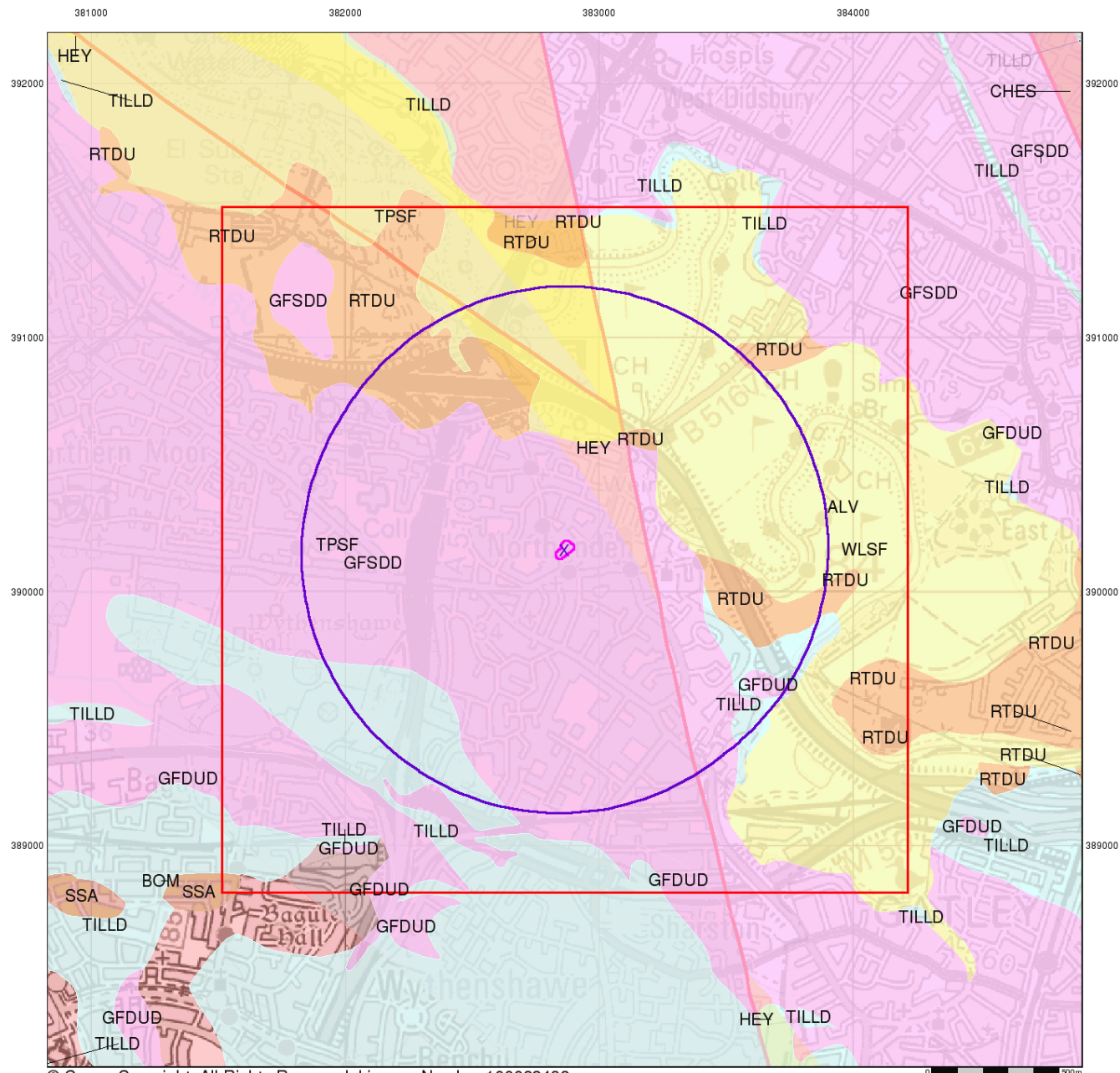
14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ

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Combined Surface Geology

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

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

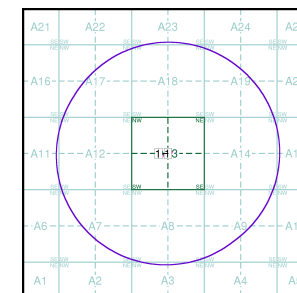
Additional Information

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

Contact

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

Combined Geology Map - Slice A



Order Details:

Order Number: 291975093_1_1
Customer Reference: GS1641_JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details:

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Page 5 of 5



General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Types 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 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
- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

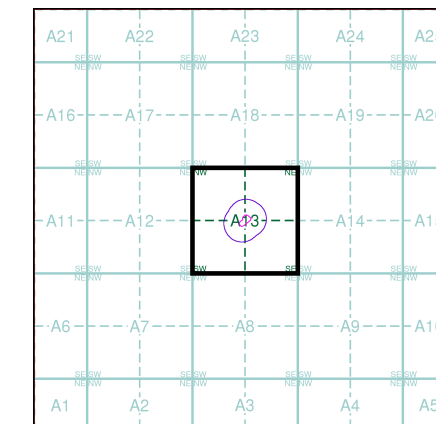
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details

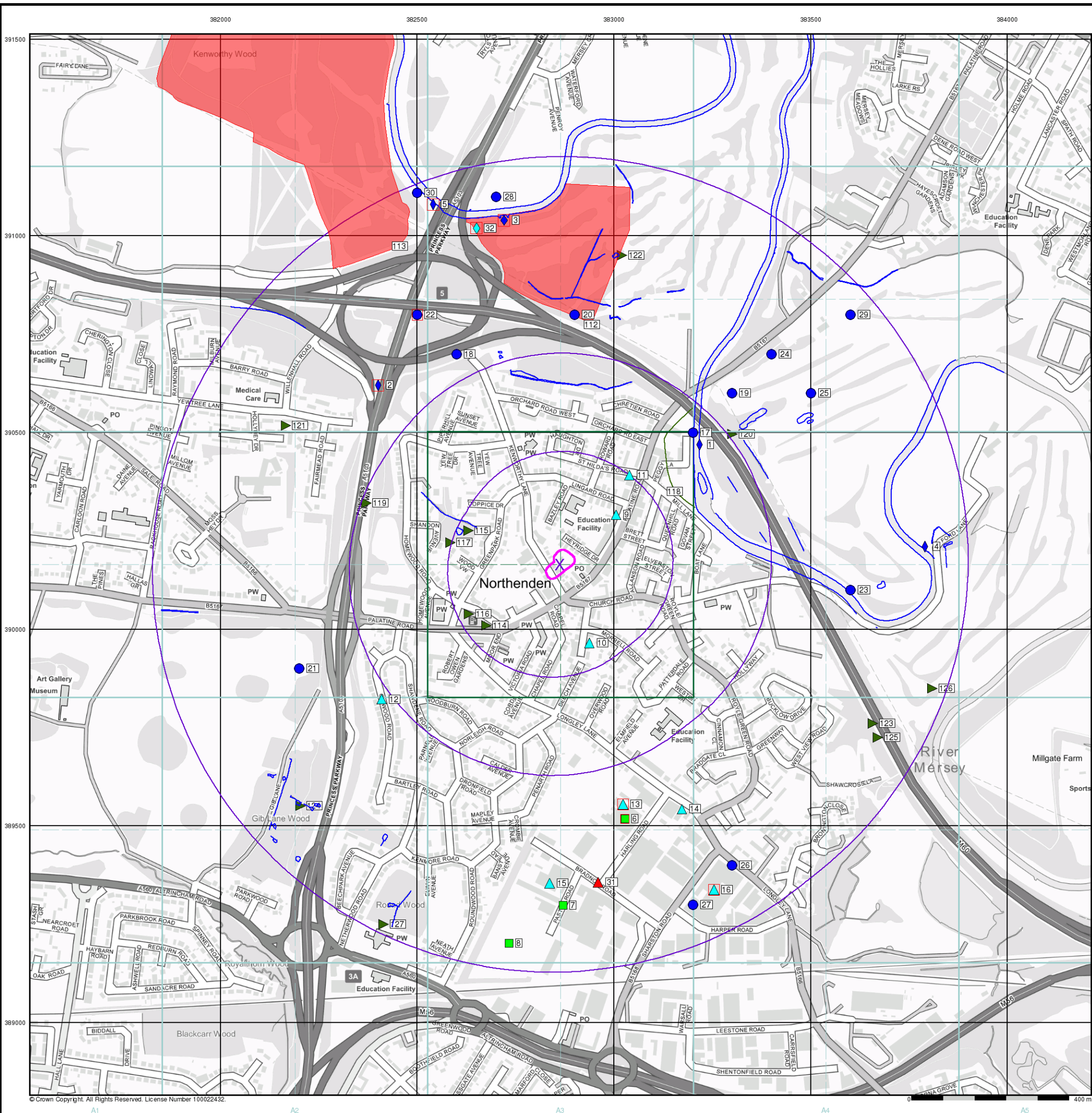
Order Number: 291975093_1_1
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National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Plot Buffer (m): 100

Site Details

14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ

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Web: www.envirocheck.co.uk

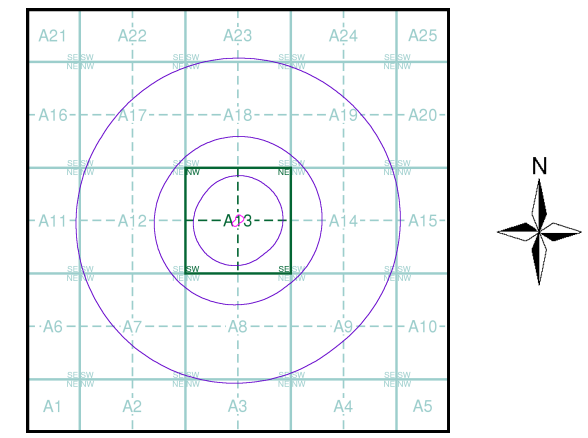


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- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
 - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
 - Contaminated Land Register Entry or Notice
 - Discharge Consent
 - Enforcement or Prohibition Notice
 - Integrated Pollution Control
 - Integrated Pollution Prevention Control
 - Local Authority Integrated Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control
 - Local Authority Pollution Prevention and Control Enforcement
 - Pollution Incident to Controlled Waters
 - Prosecution Relating to Authorised Processes
 - Prosecution Relating to Controlled Waters
 - Registered Radioactive Substance
 - River Network or Water Feature
 - River Quality Sampling Point
 - Substantiated Pollution Incident Register
 - Water Abstraction
 - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
 - BGS Recorded Landfill Site
 - EA Historic Landfill (Buffered Point)
 - EA Historic Landfill (Polygon)
 - Integrated Pollution Control Registered Waste Site
 - Licensed Waste Management Facility (Landfill Boundary)
 - Licensed Waste Management Facility (Location)
 - Local Authority Recorded Landfill Site (Location)
 - Local Authority Recorded Landfill Site
 - 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 (Location)
 - Registered Landfill Site (Point Buffered to 100m)
 - Registered Landfill Site (Point Buffered to 250m)
 - Registered Waste Transfer Site (Location)
 - Registered Waste Transfer Site
 - Registered Waste Treatment or Disposal Site (Location)
 - Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
 - BGS Recorded Mineral Site
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A



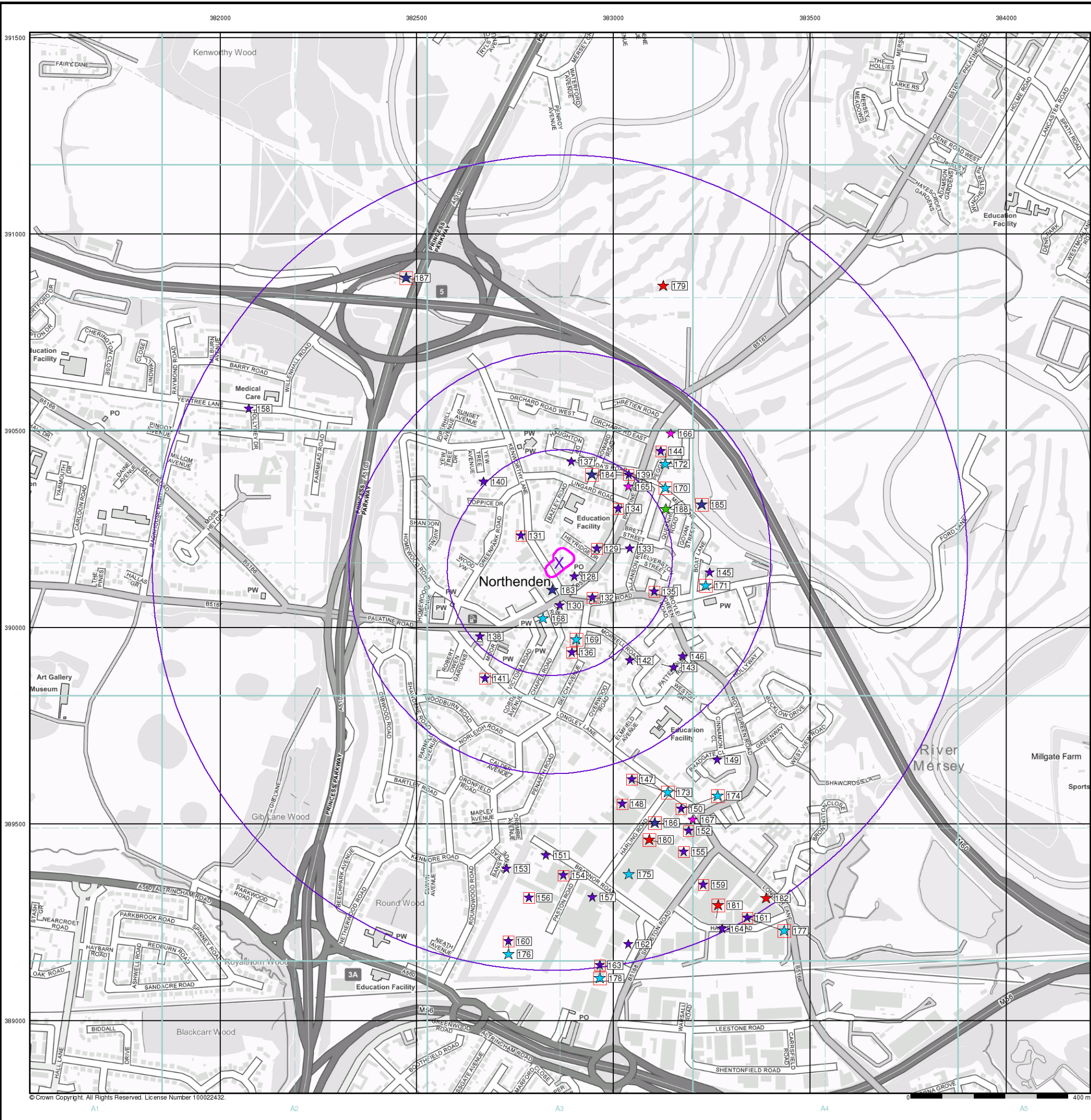
Order Details

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details
14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ

Landmark
INFORMATION GROUP

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GEOCON[®]

Industrial Land Use Map

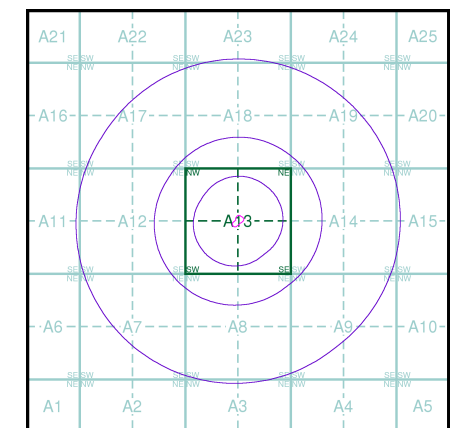
General

- 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

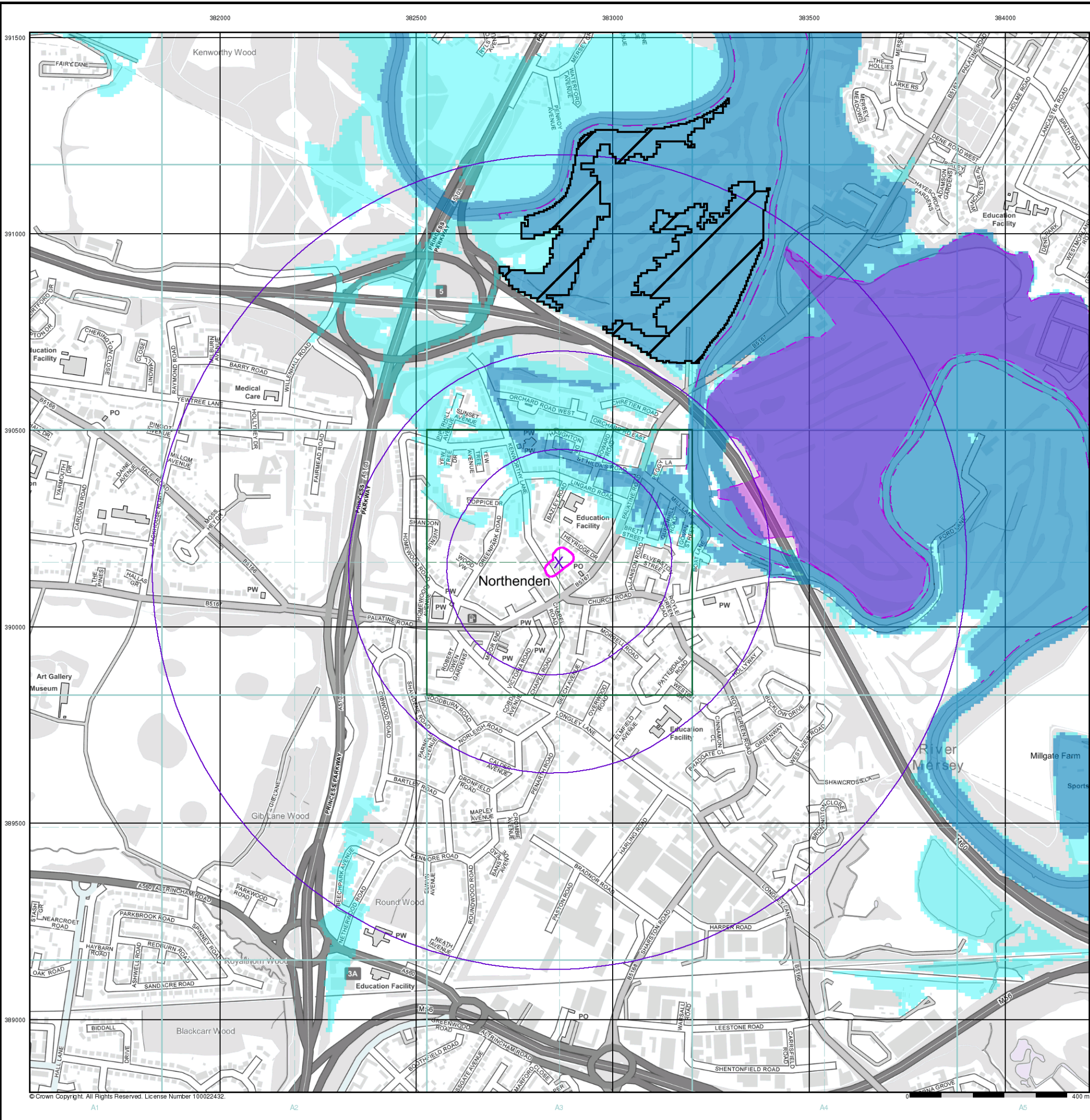
Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

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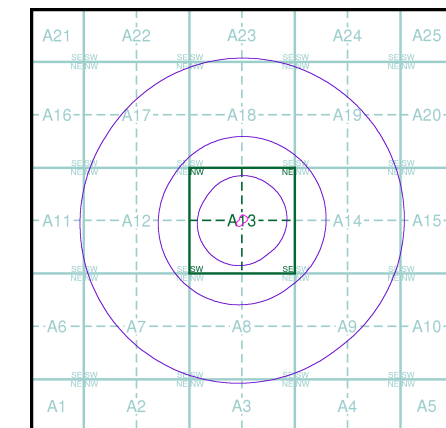
General

- 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

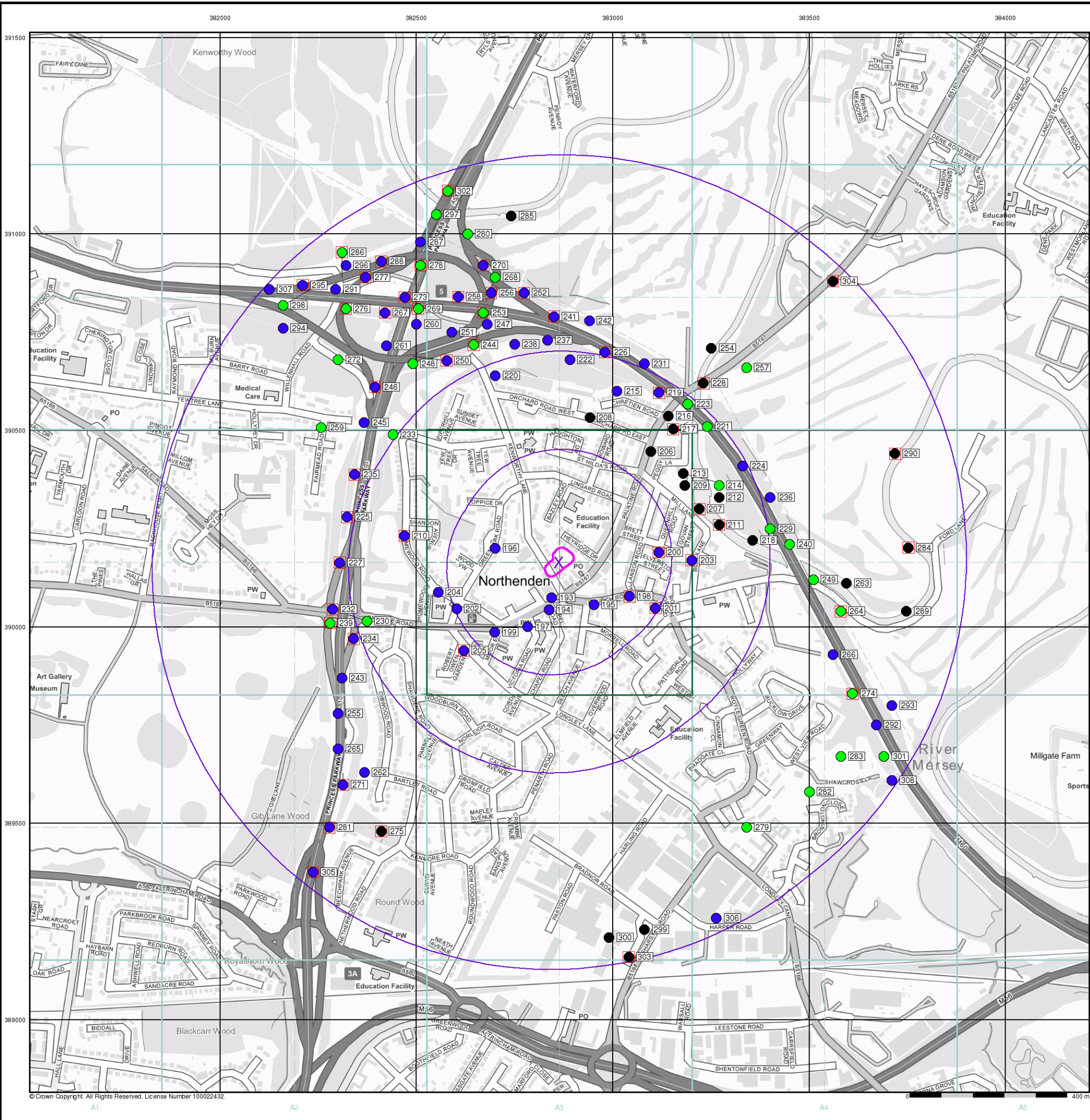
Order Number: 291975093_1_1
 Customer Ref: GSI1641 JS
 National Grid Reference: 382860, 390160
 Slice: A
 Site Area (Ha): 0.31
 Search Buffer (m): 1000

Site Details

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General

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

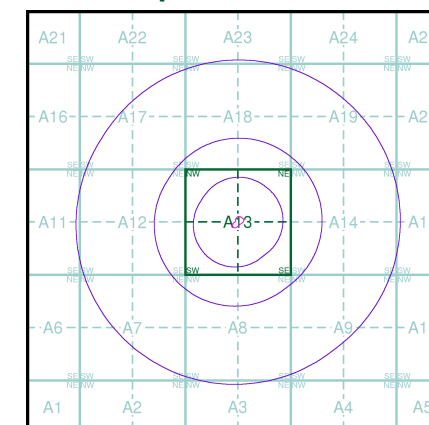
Agency and Hydrological (Boreholes)

- 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

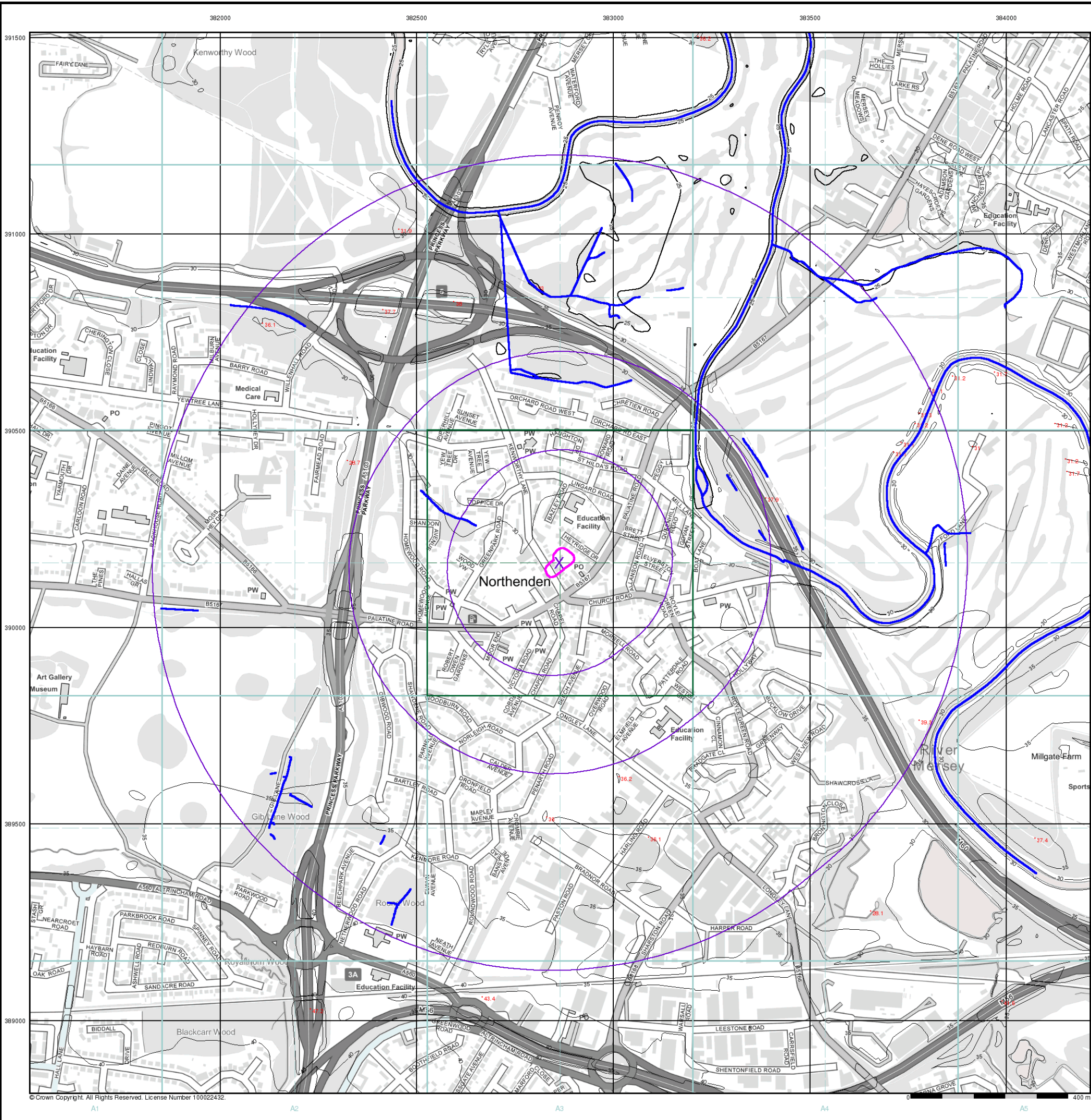
Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

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General

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

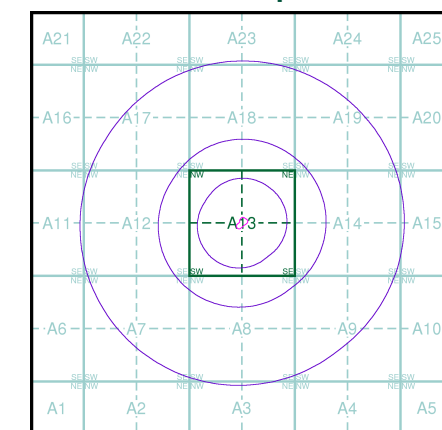
OS Water Network Data

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

Contours (height in meters)

- | | | | | | |
|------------------|-------|-----|----|-----|-----------------|
| Standard Contour | 105 | 100 | 95 | MLW | Mean Low Water |
| Master Contour | | | | MHW | Mean High Water |
| Spot Height | 167.3 | | | | |

OS Water Network Map - Slice A



Order Details

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

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General

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

Risk of Flooding from Surface Water

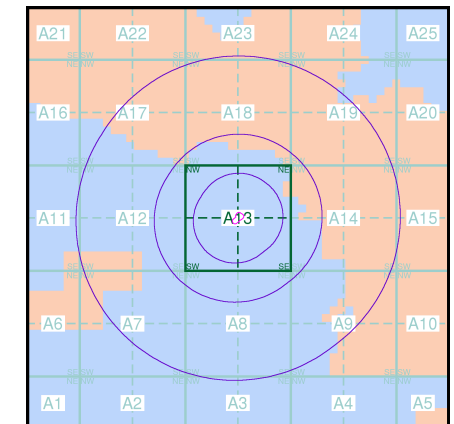
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

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 A



Order Details

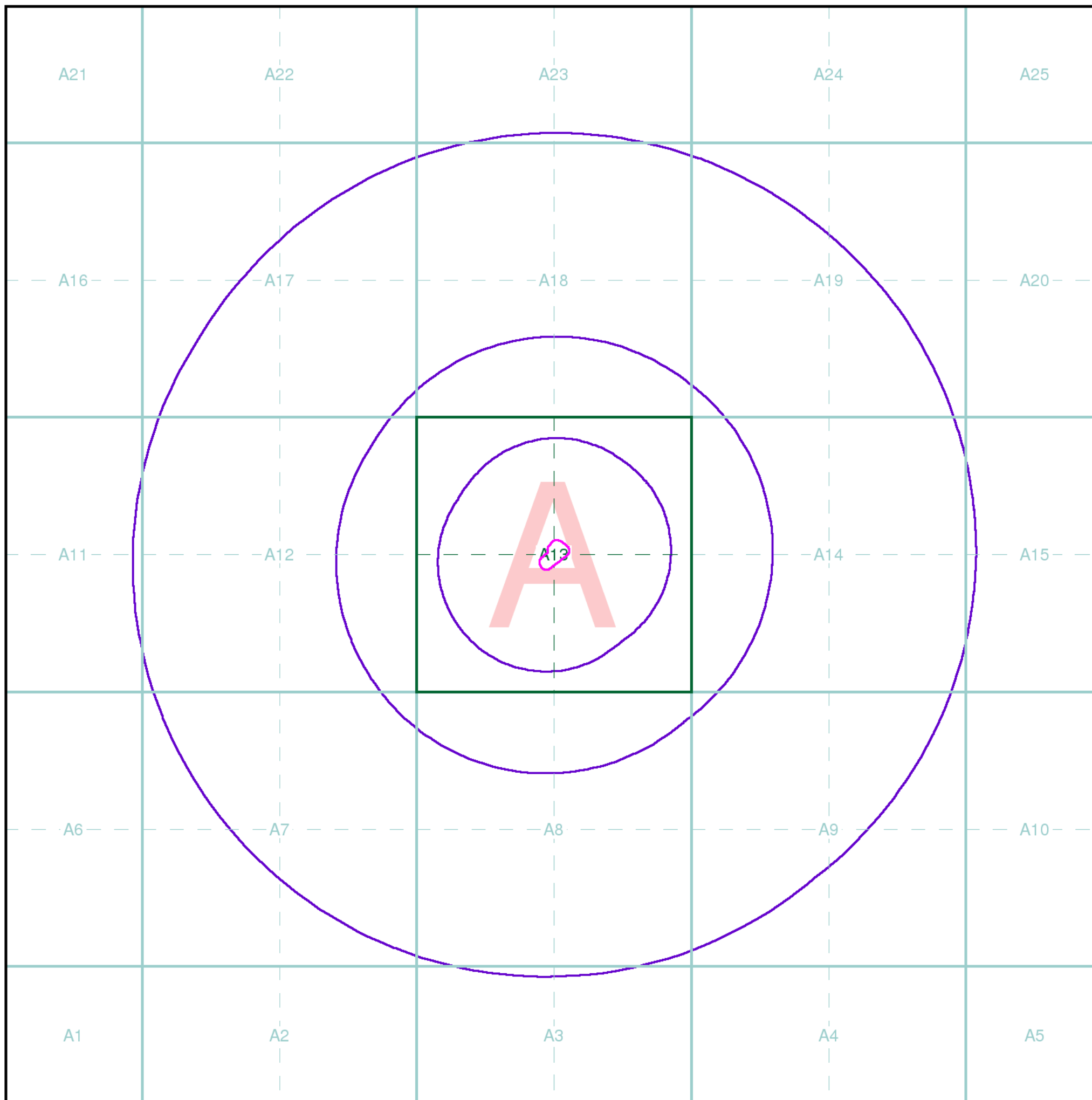
Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

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Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr I Walker, Geocon Site Investigations, Suite 2 Marple House,, 39 Stockport Road,, Marple,, Stockport, Cheshire, SK6 6BD

Order Details

Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390170
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ

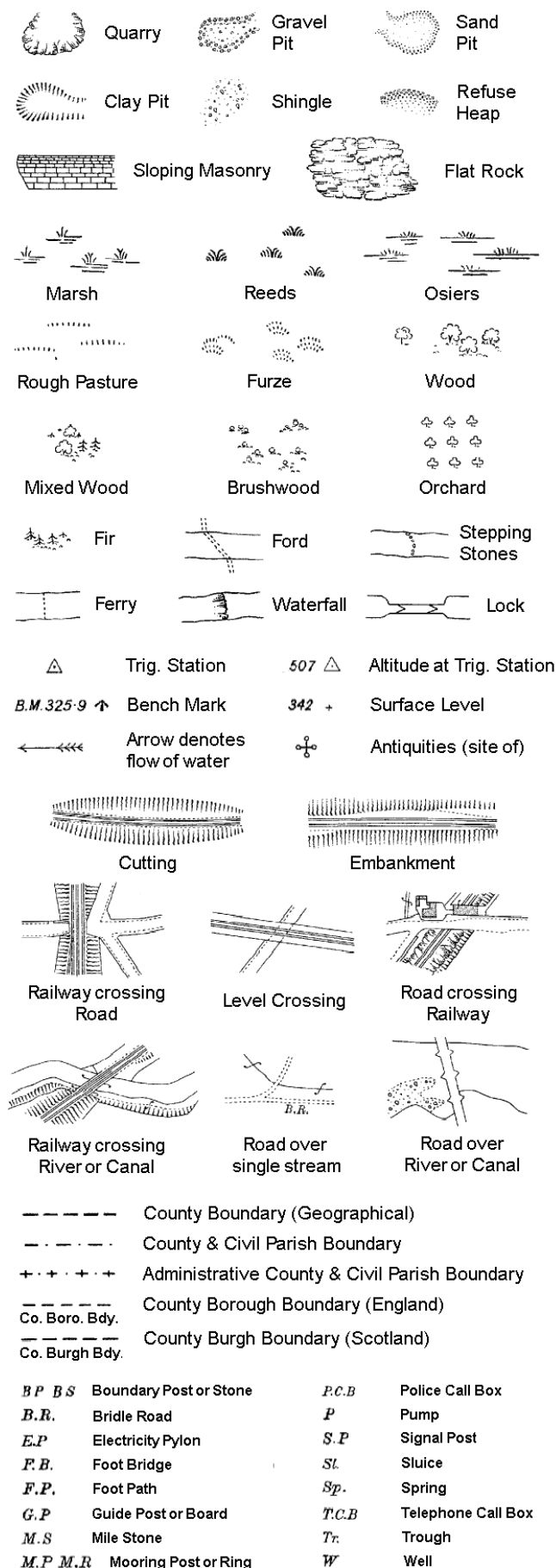
Full Terms and Conditions can be found on the following link:
<http://www.landmarkinfo.co.uk/Terms/Show/515>



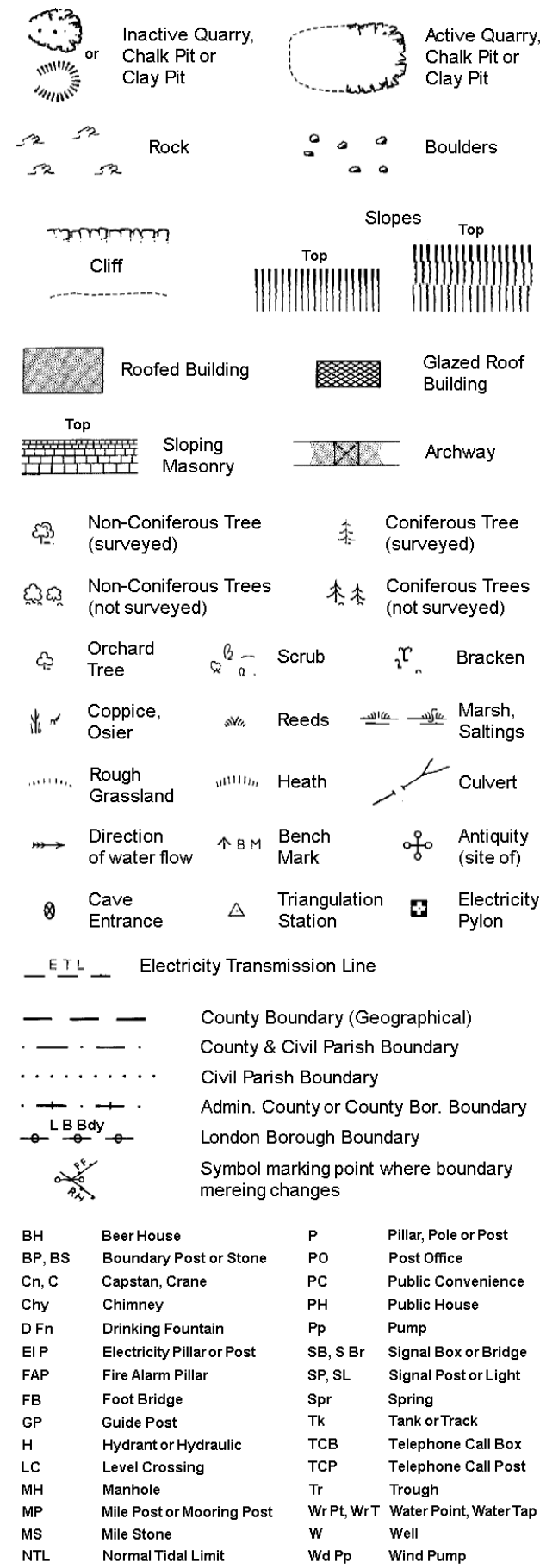
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Historical Mapping Legends

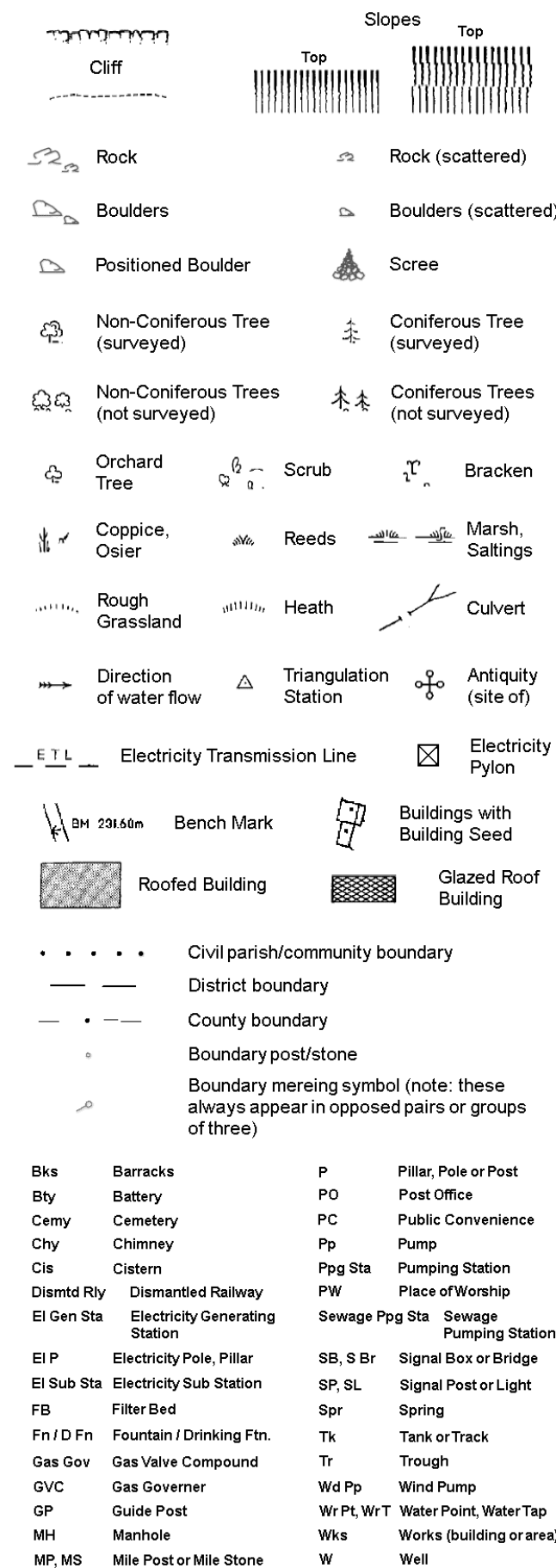
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



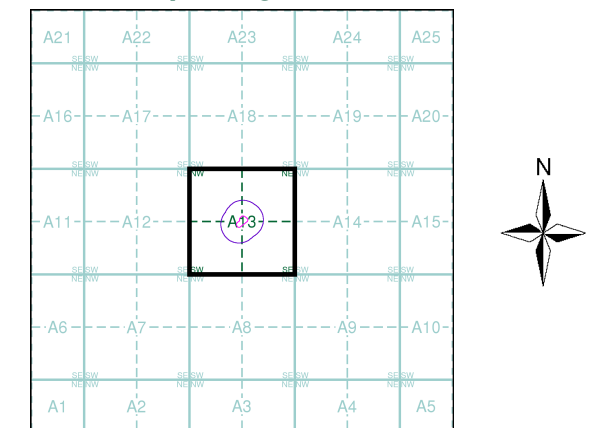
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:2,500	1877	2
Lancashire And Furness	1:2,500	1893 - 1894	3
Cheshire	1:2,500	1898	4
Lancashire And Furness	1:2,500	1907	5
Cheshire	1:2,500	1910	6
Lancashire And Furness	1:2,500	1922	7
Lancashire And Furness	1:2,500	1934 - 1935	8
Ordnance Survey Plan	1:1,250	1955 - 1959	9
Ordnance Survey Plan	1:2,500	1956 - 1961	10
Ordnance Survey Plan	1:1,250	1959 - 1989	11
Ordnance Survey Plan	1:2,500	1961	12
Ordnance Survey Plan	1:1,250	1967 - 1978	13
Additional SIMs	1:1,250	1967 - 1992	14
Supply of Unpublished Survey Information	1:1,250	1975 - 1976	15
Additional SIMs	1:1,250	1984 - 1989	16
Large-Scale National Grid Data	1:1,250	1992	17
Additional SIMs	1:1,250	1992	18
Large-Scale National Grid Data	1:1,250	1996	19
Historical Aerial Photography	1:2,500	2000	20

Historical Map - Segment A13



Order Details

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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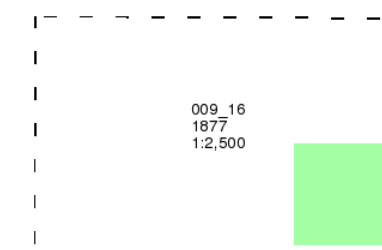
Cheshire

Published 1877

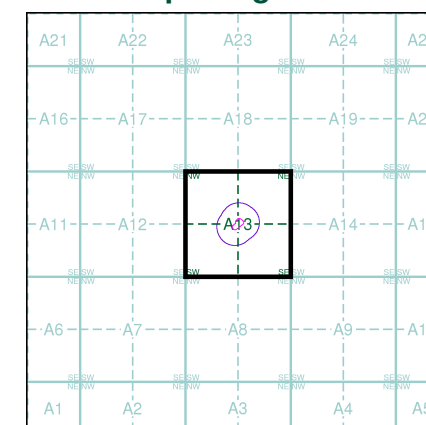
Source map scale - 1:2,500

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 A13



Order Details

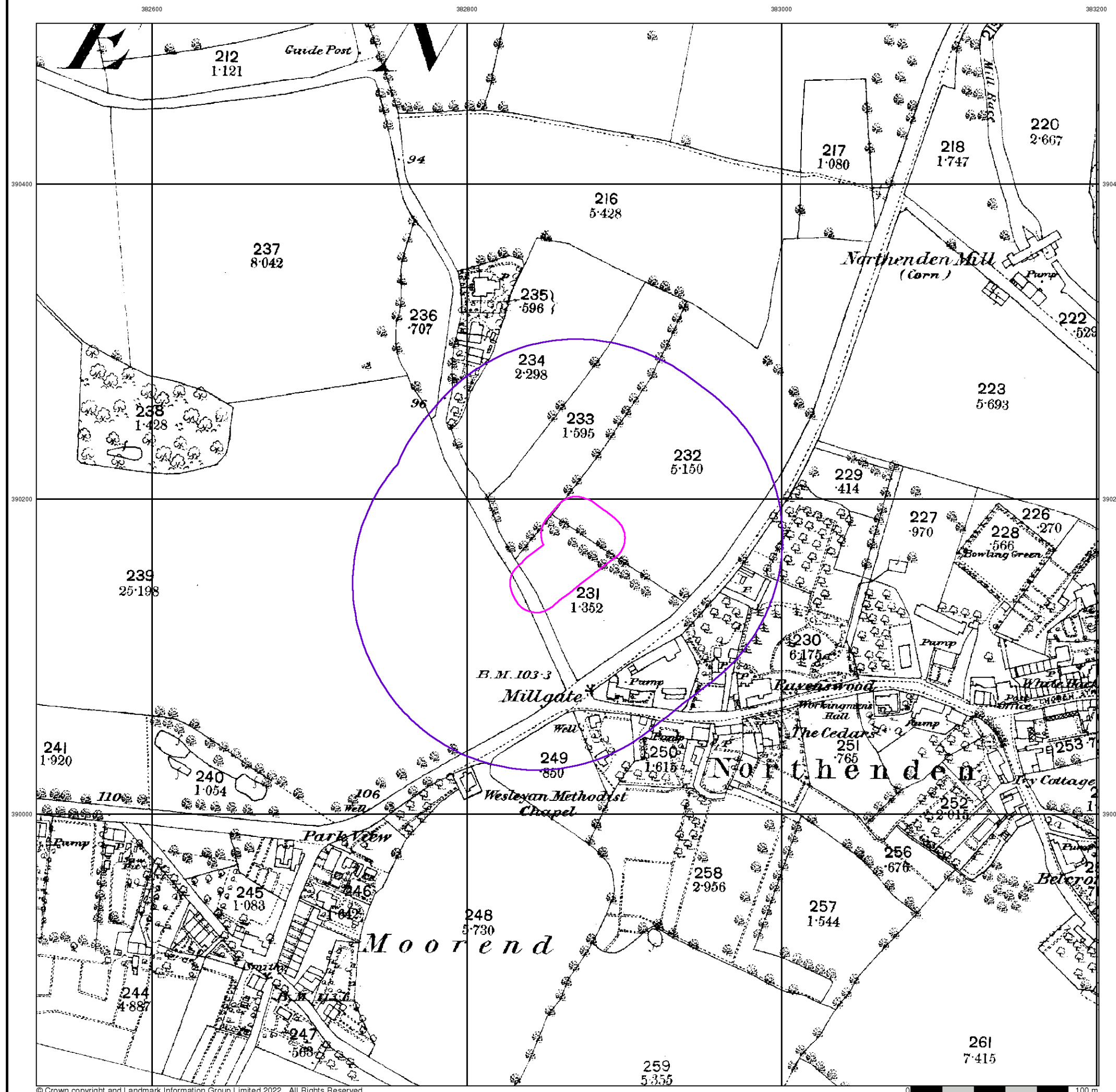
Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

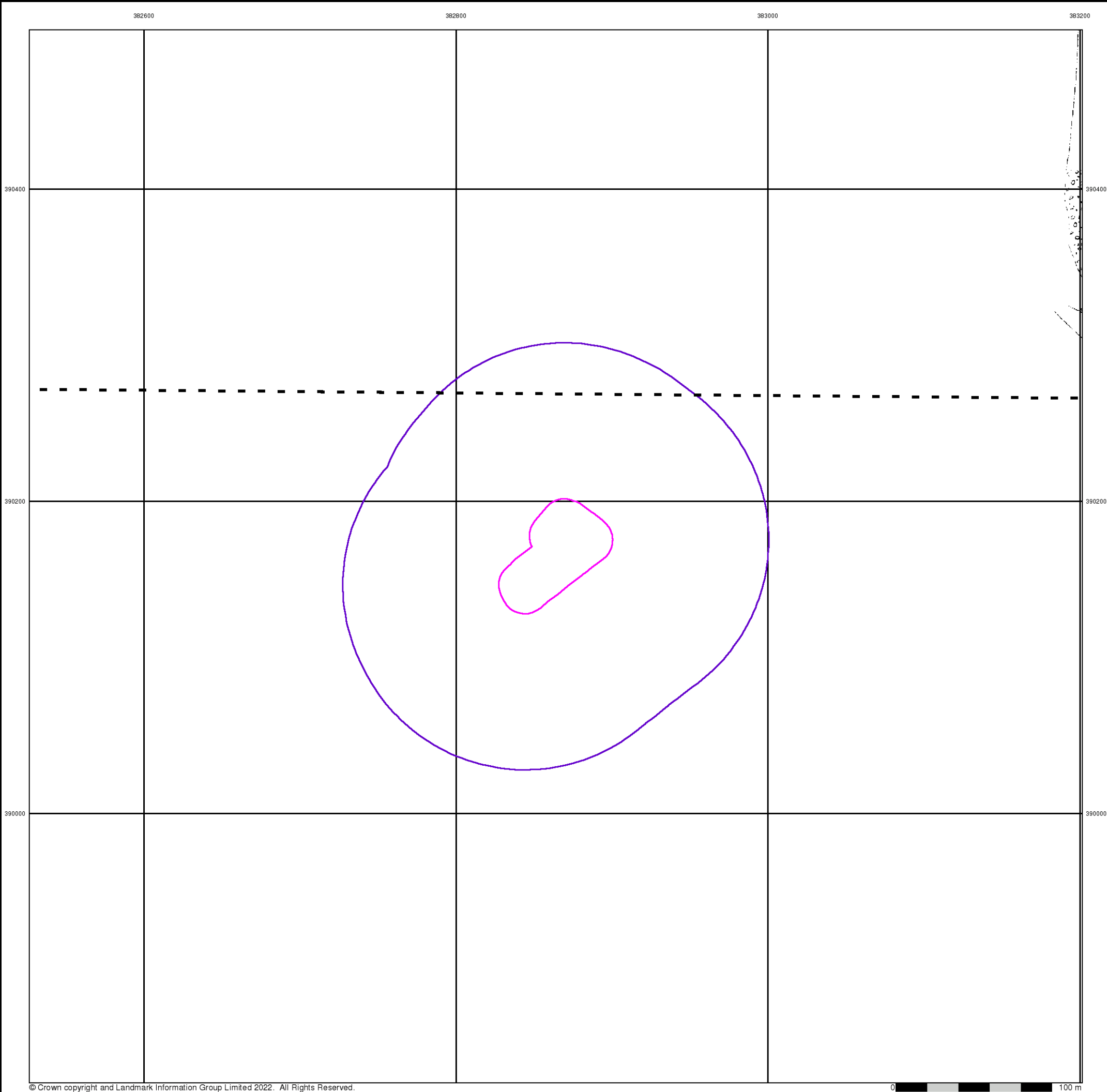
Site Details

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0 100 m



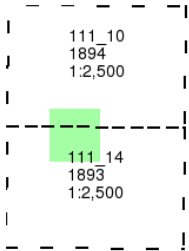
Lancashire And Furness

Published 1893 - 1894

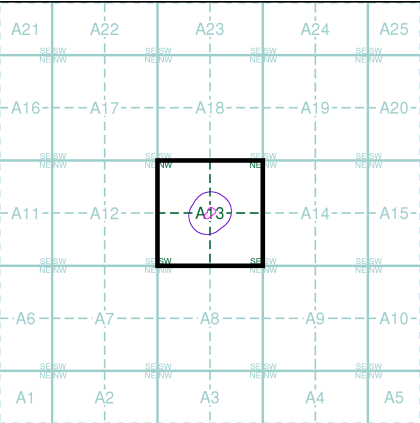
Source map scale - 1:2,500

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 A13



Order Details

Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ



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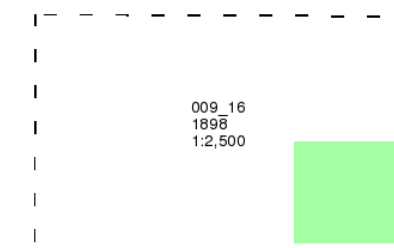
Cheshire

Published 1898

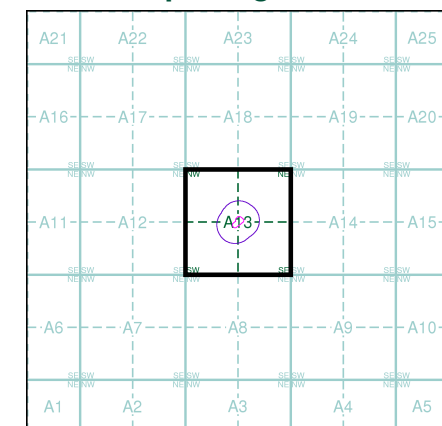
Source map scale - 1:2,500

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 A13



Order Details

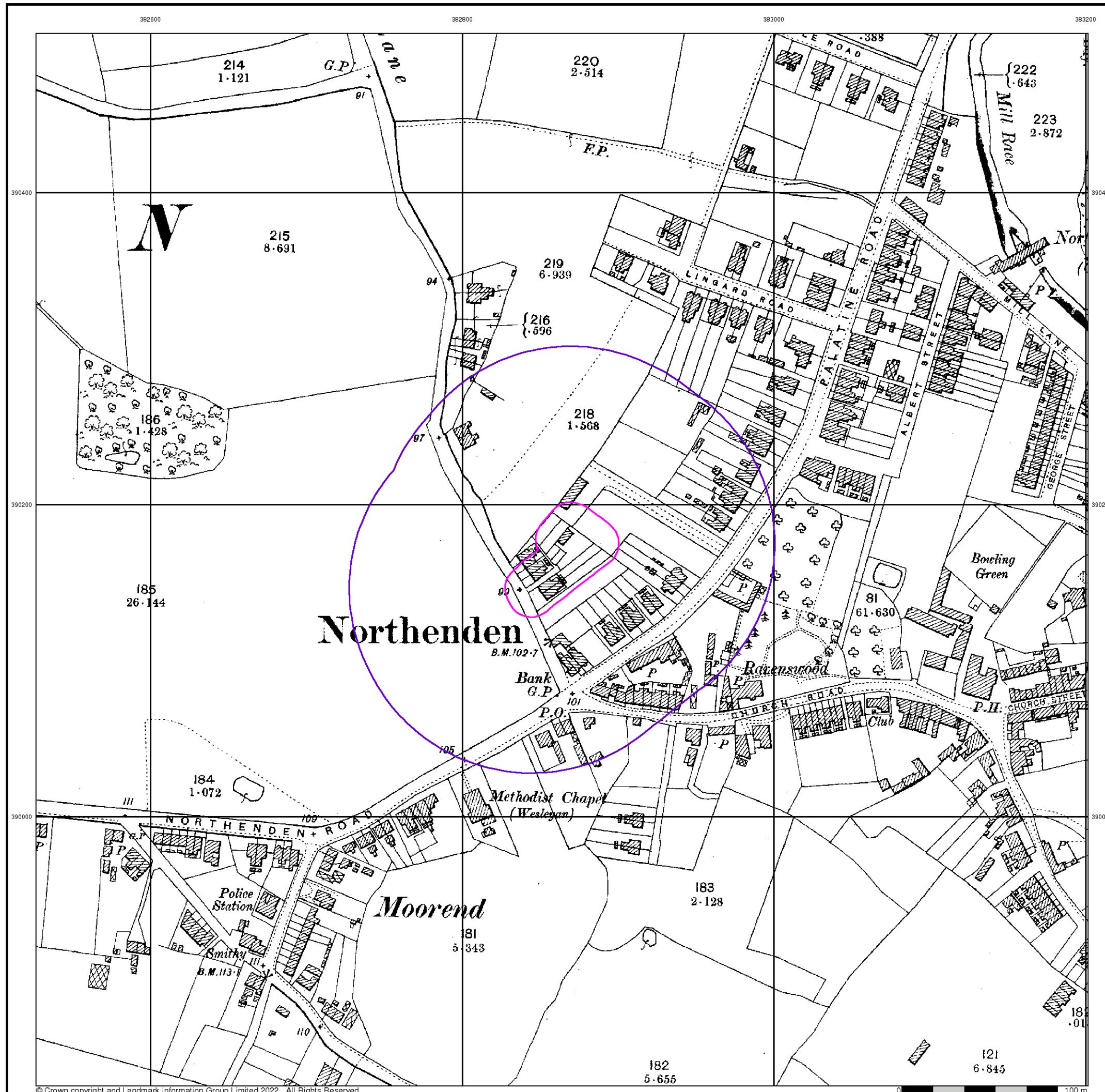
Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
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Lancashire And Furness

Published 1907

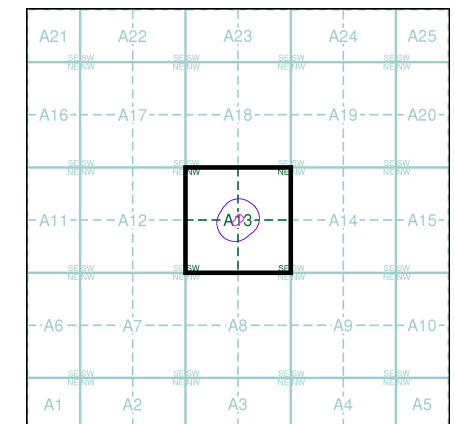
Source map scale - 1:2,500

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)

111_10
1907
1:2,500
111_14
1907
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

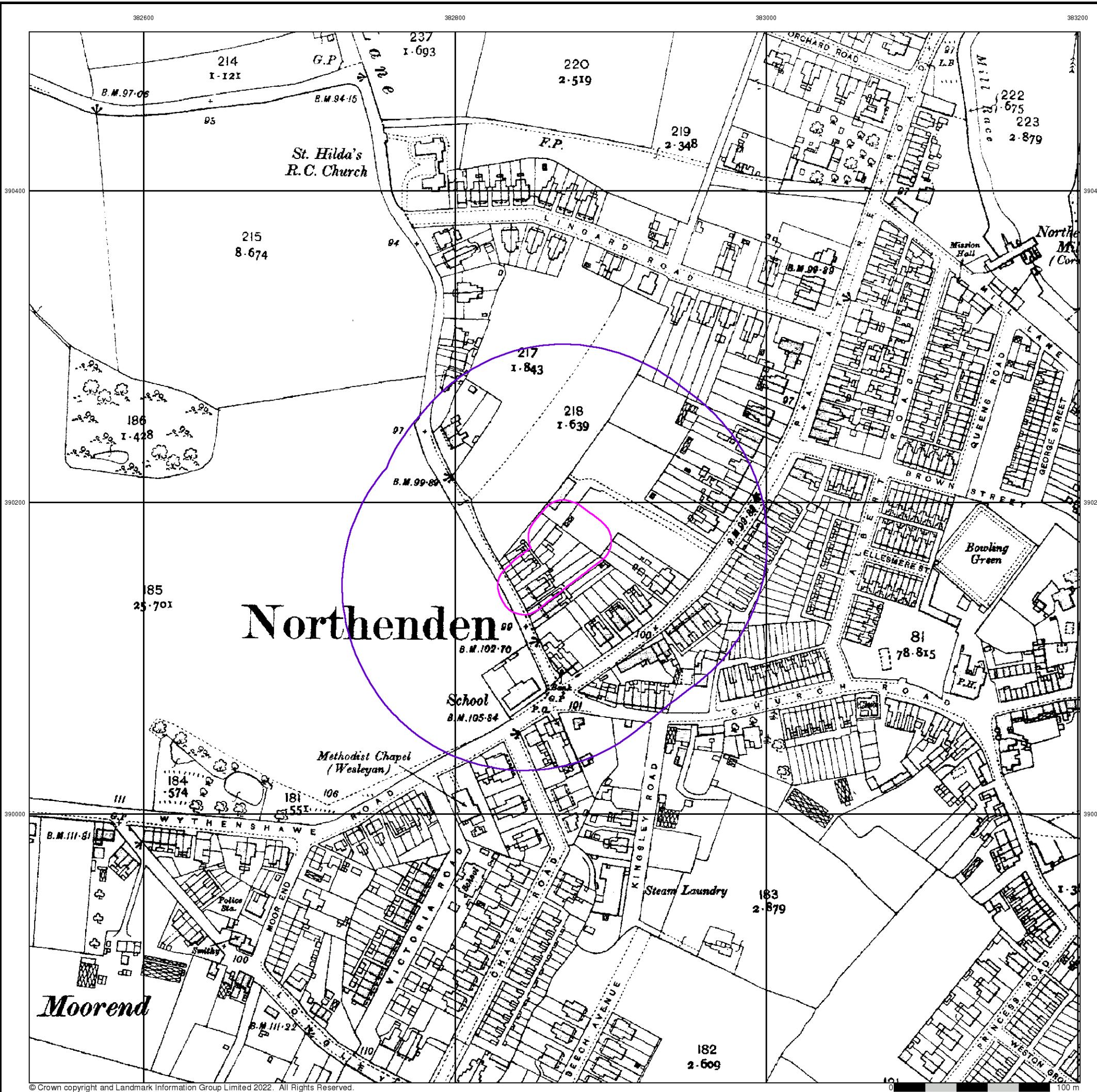
Site Details

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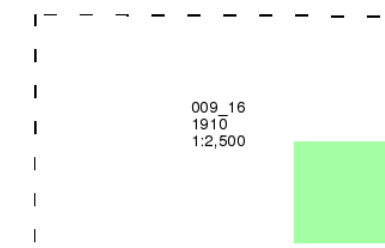
Cheshire

Published 1910

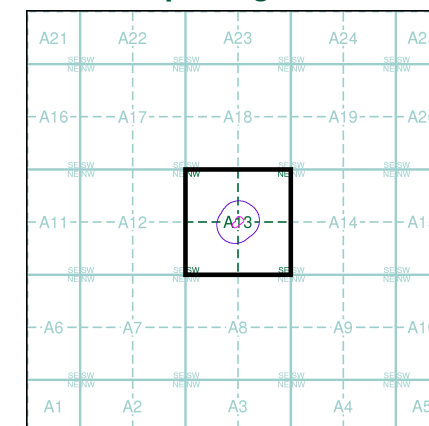
Source map scale - 1:2,500

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 A13



Order Details

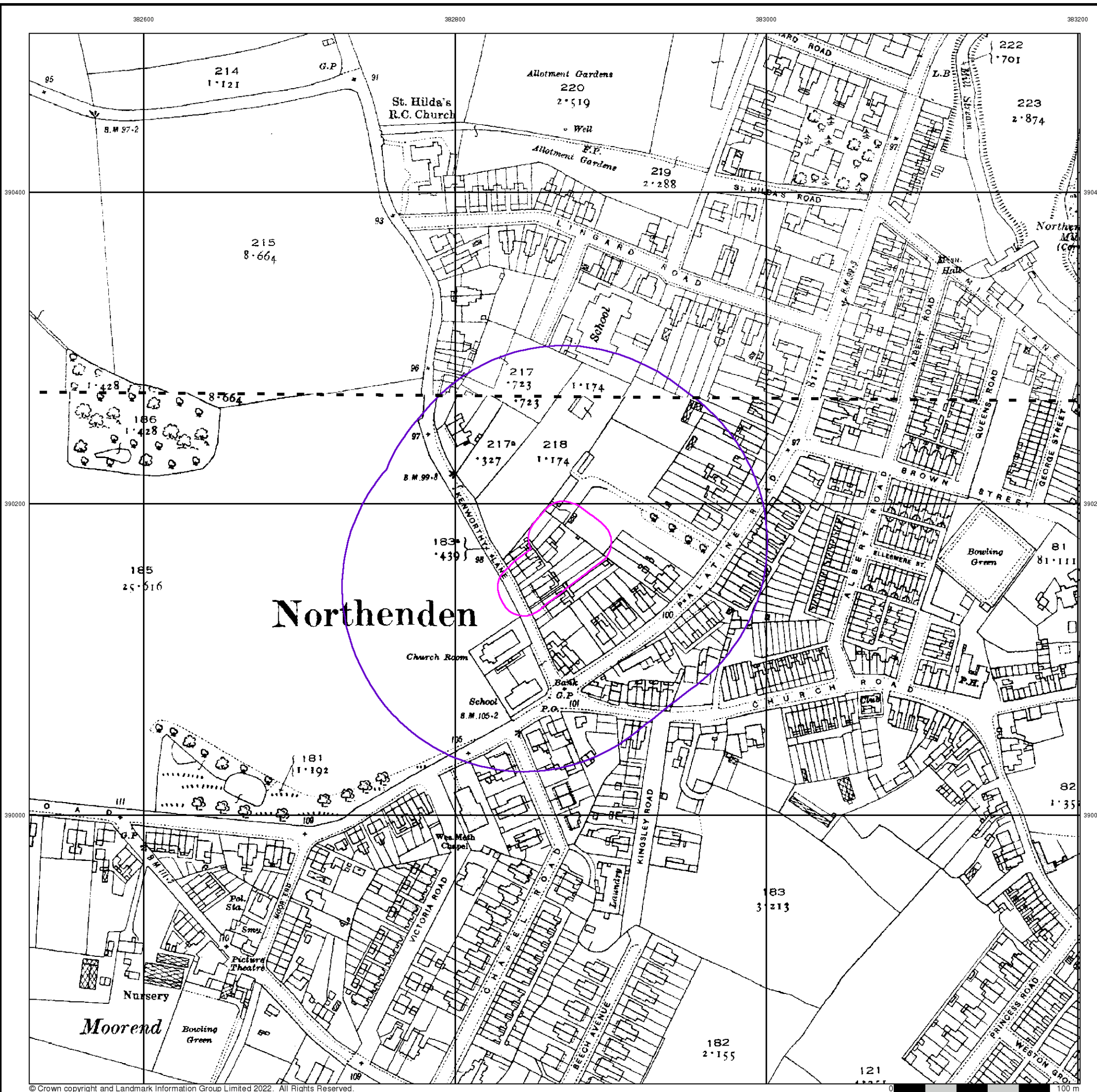
Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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Lancashire And Furness

Published 1922

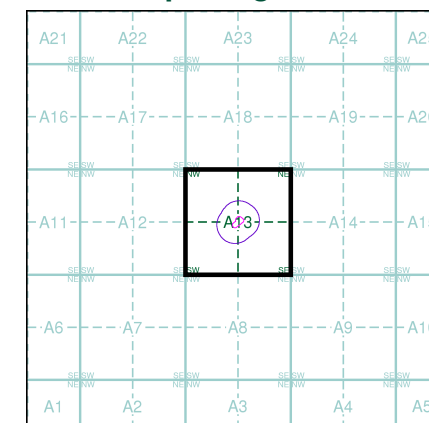
Source map scale - 1:2,500

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)

111_10
1922
1:2,500
111_14
1922
1:2,500

Historical Map - Segment A13



Order Details

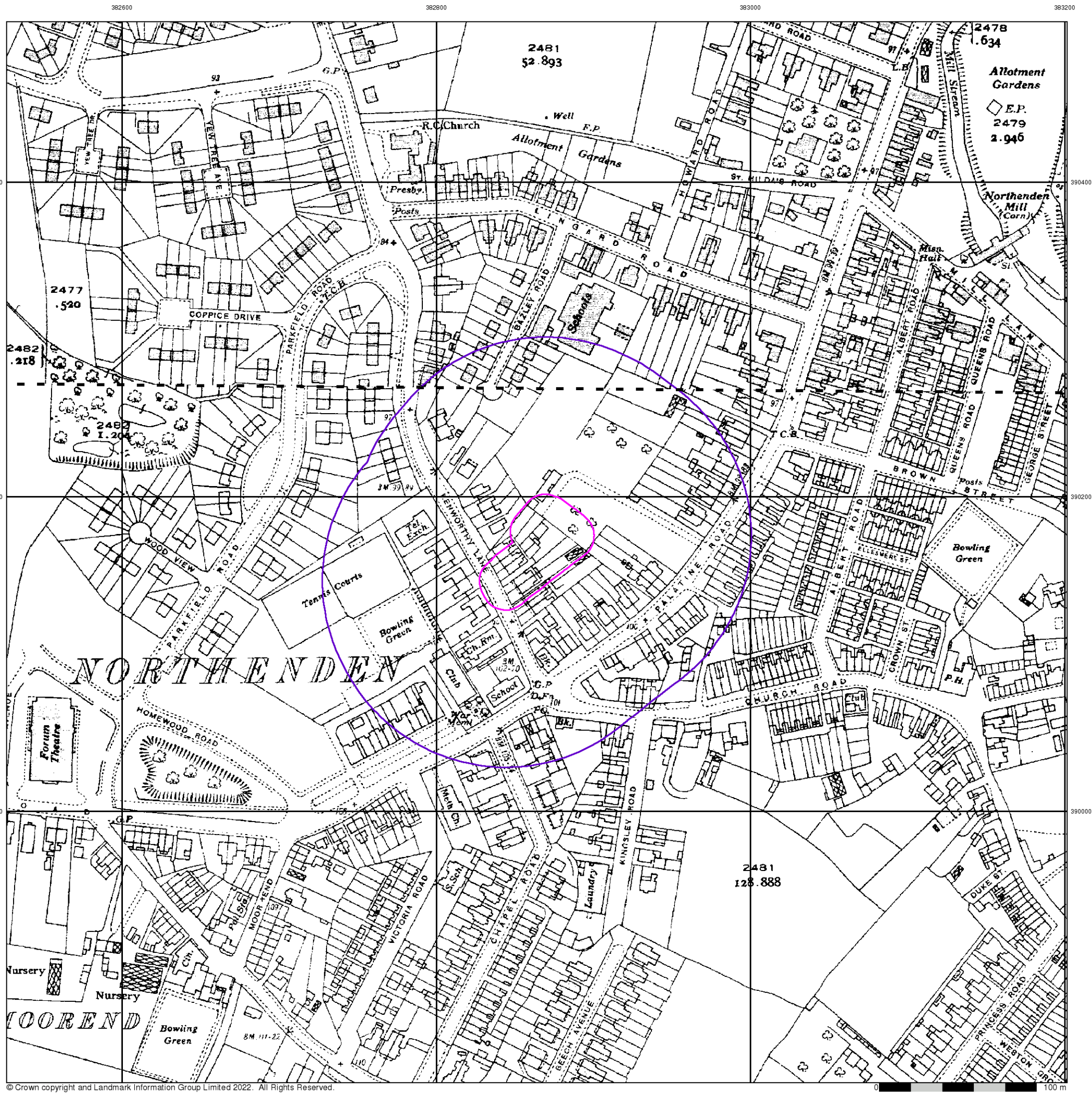
Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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Lancashire And Furness

Published 1934 - 1935

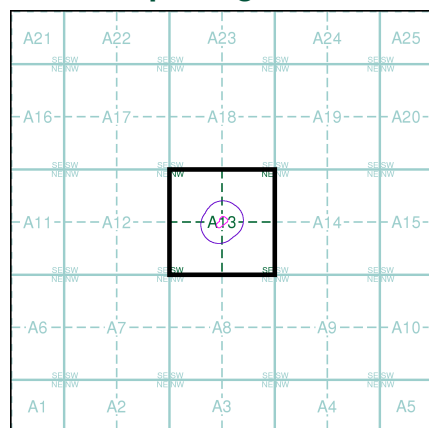
Source map scale - 1:2,500

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)

111_10
1935
1:2,500
111_14
1934
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1955 - 1959

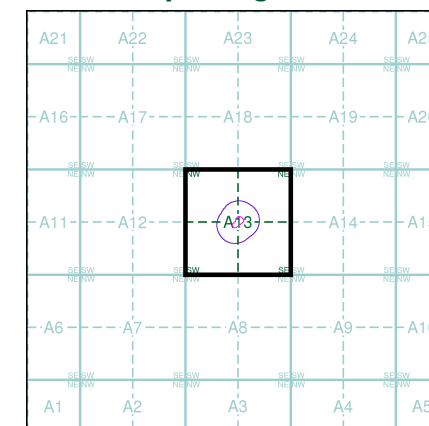
Source map scale - 1:1,250

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)

SJ8290NES	SJ8390NW
1956	1955
1:1,250	1:1,250
SJ8290SES	SJ8390SW
1956	1955
1:1,250	1:1,250
SJ8289NES	SJ8389NW
1959	1956
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ

Landmark
INFORMATION GROUP

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Web: www.envirocheck.co.uk



Ordnance Survey Plan

Published 1956 - 1961

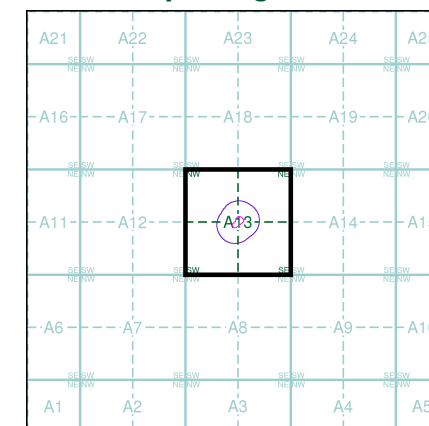
Source map scale - 1:2,500

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)

SJ8290 1957 12,500	SJ8390 1956 12,500
SJ8289 1961 12,500	SJ8389 1957 12,500

Historical Map - Segment A13



Order Details

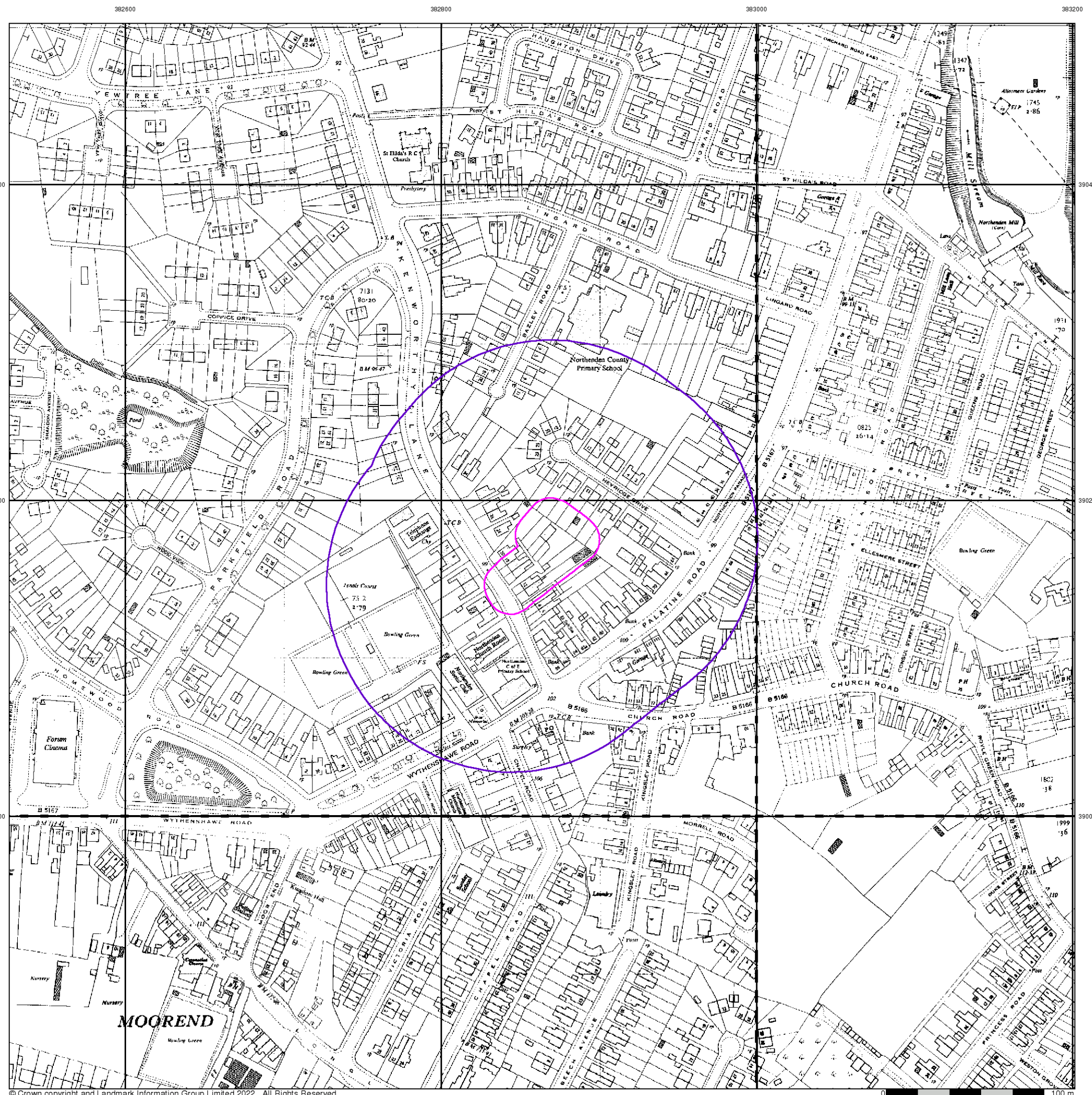
Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

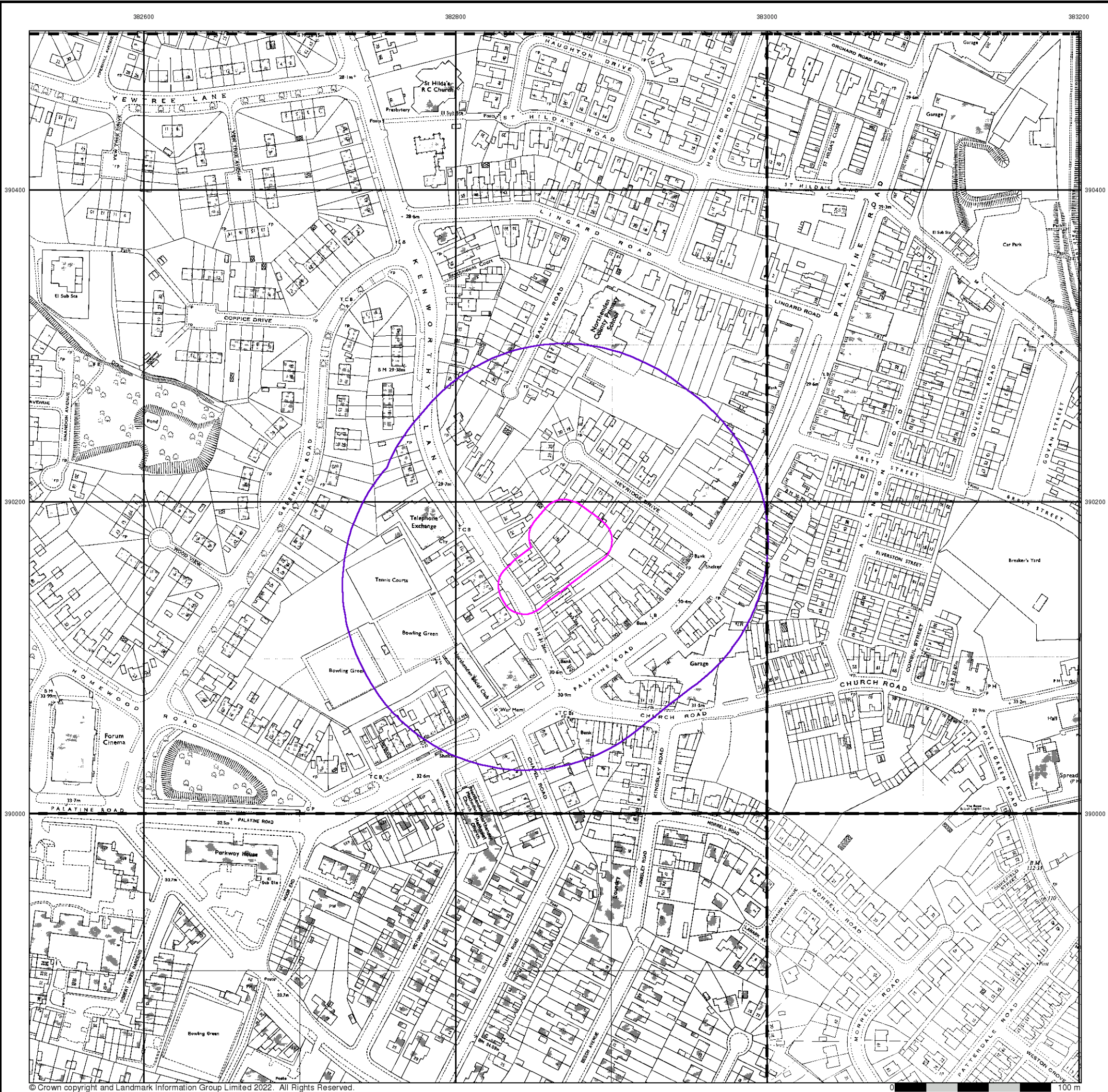
Site Details

14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ

Landmark
INFORMATION GROUP

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Ordnance Survey Plan

Published 1959 - 1989

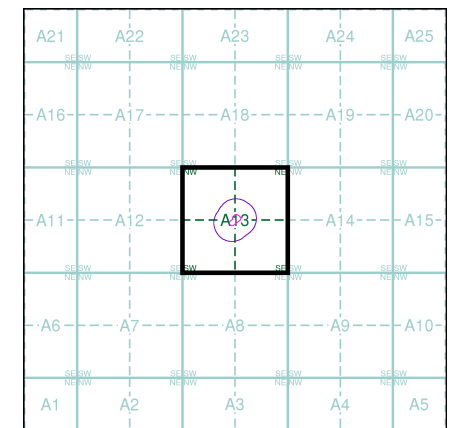
Source map scale - 1:1,250

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)

SJ8290NES	J8390NW
1967	1982
1:1,250	1:1,250
SJ8290SES	J8390SW
1975	1980
1:1,250	1:1,250
SJ8289NES	J8389NW
1989	1959
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

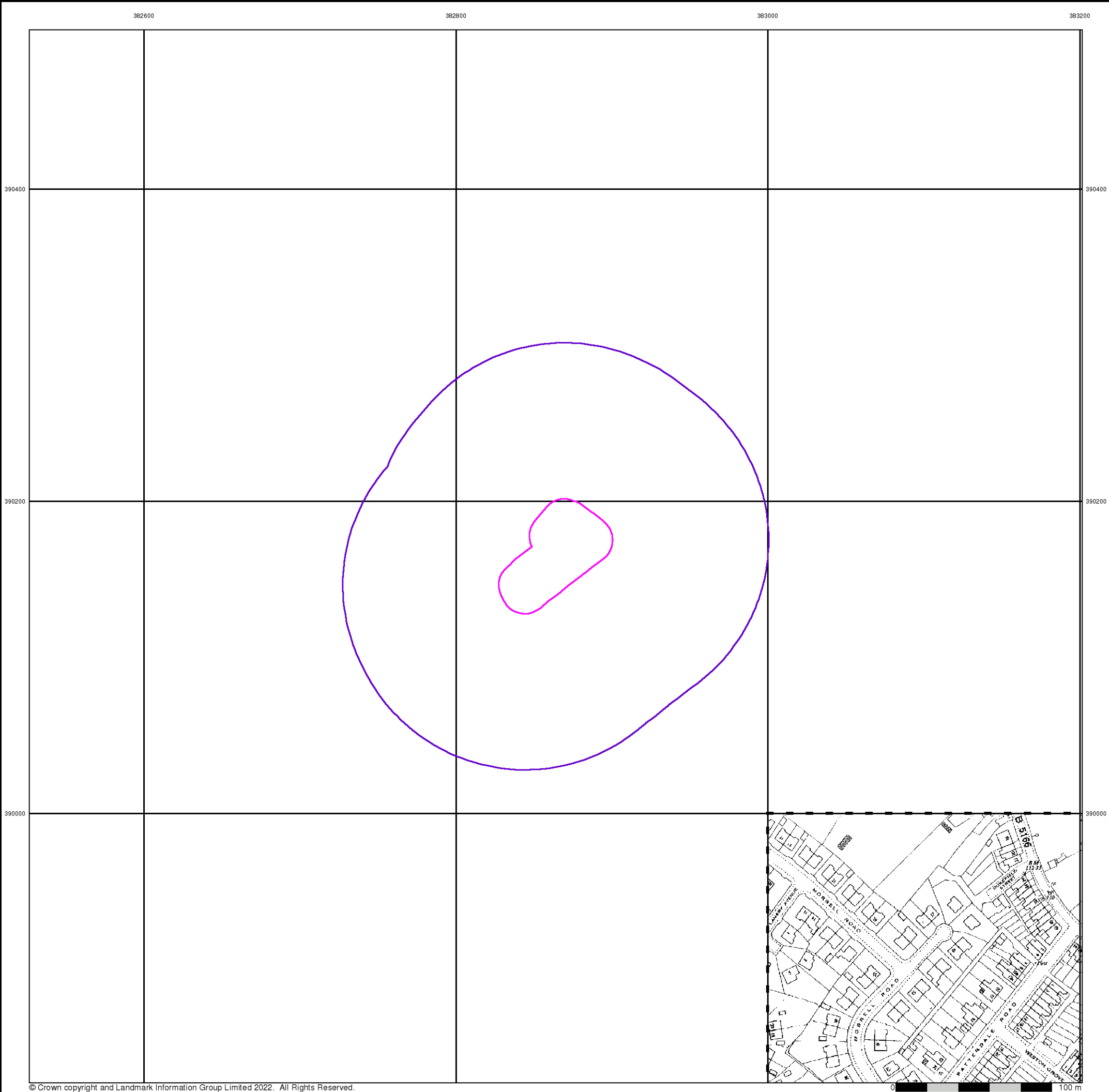
Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ



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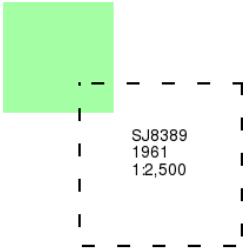
0 100 m



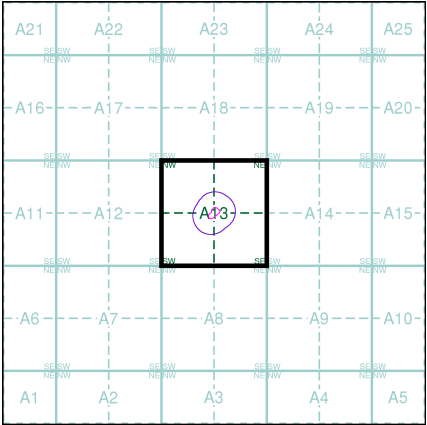
Ordinance Survey Plan
Published 1961
Source map scale - 1:2,500

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)

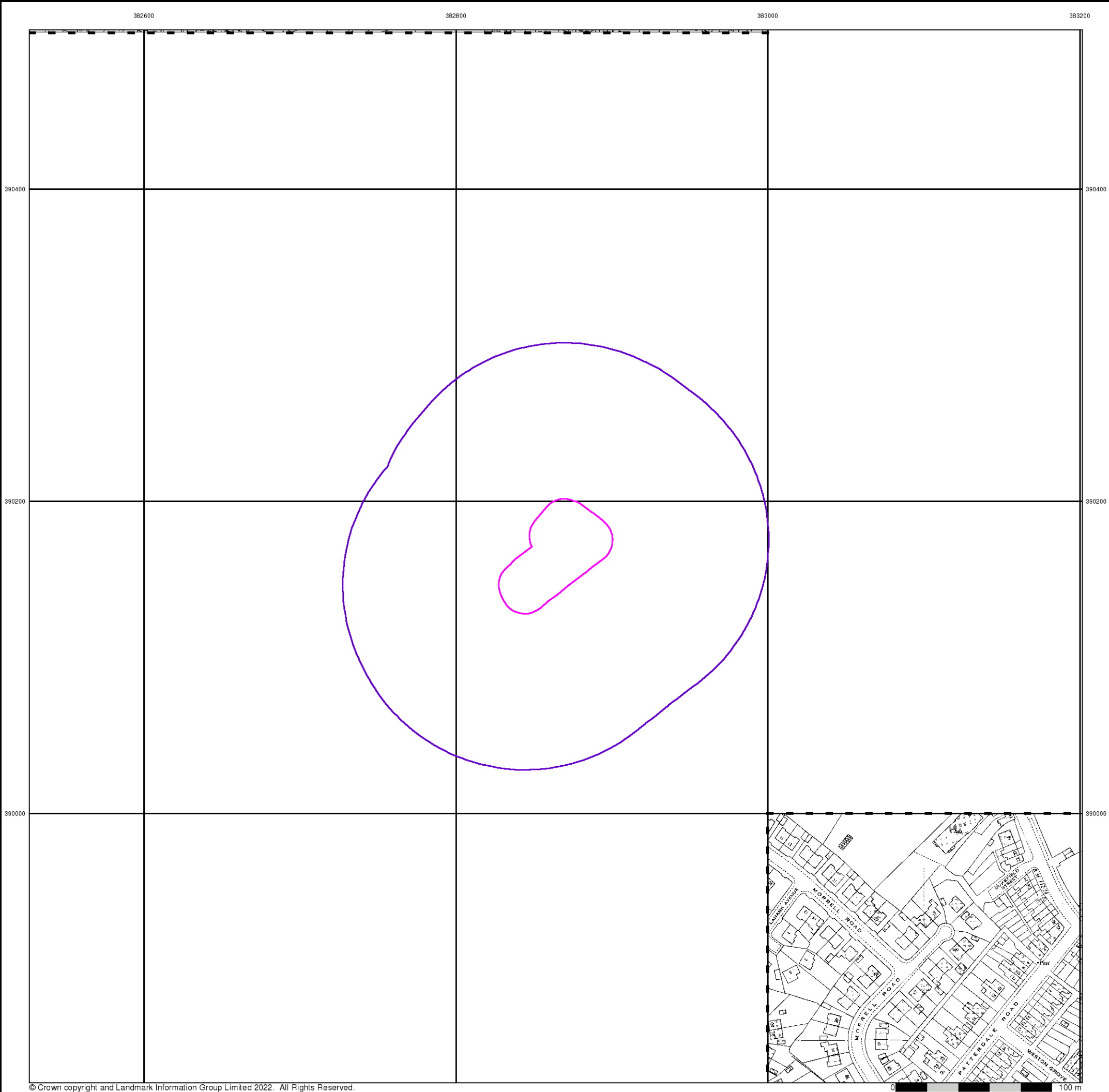


Historical Map - Segment A13



Order Details
Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100
Site Details
14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ

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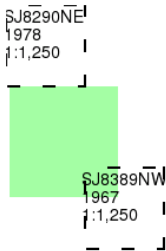
0 100 m



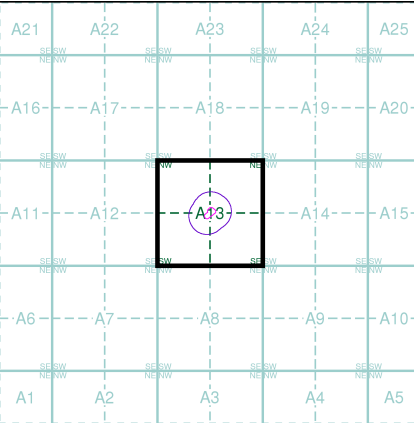
Ordinance Survey Plan
Published 1967 - 1978
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1967 - 1992

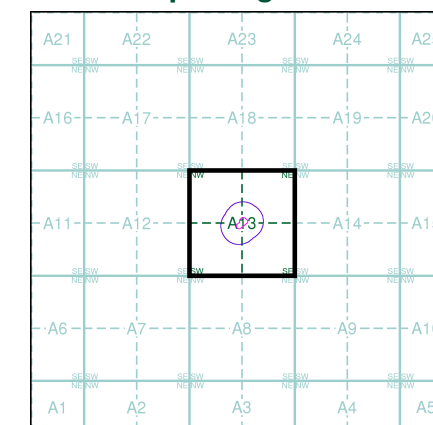
Source map scale - 1:1,250

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)

BJ8290NE	BJ8390NW
1977	1978
1:1,250	1:1,250
BJ8290SE	BJ8390SW
1992	1978
1:1,250	1:1,250
BJ8289NE	BJ8389NW
1981	1967
1:1,250	1:1,250

Historical Map - Segment A13



Order Details

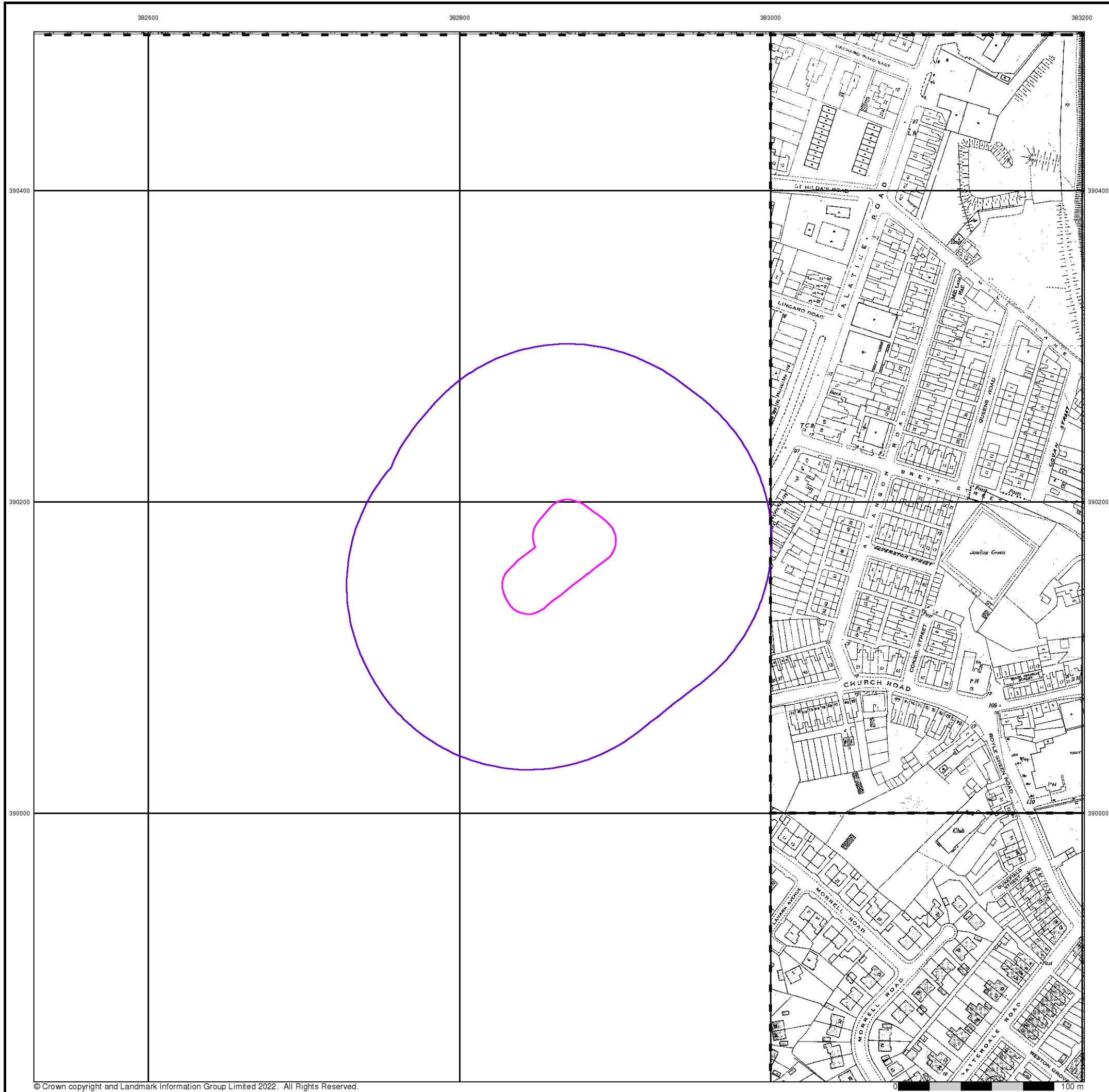
Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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Supply of Unpublished Survey Information

Published 1975 - 1976

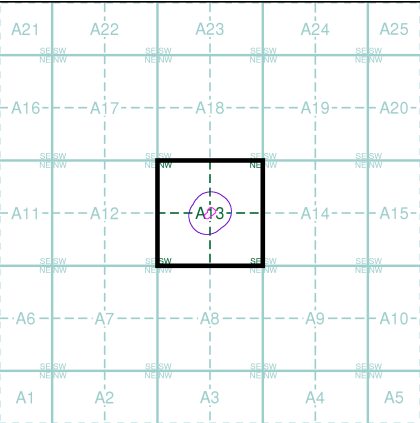
Source map scale - 1:1,250

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)

BJ8290NE	BJ8390NW
1975	1976
1:1,250	1:1,250
BJ8390SW	
1975	
1:1,250	
BJ8389NW	
1975	
1:1,250	

Historical Map - Segment A13



Order Details

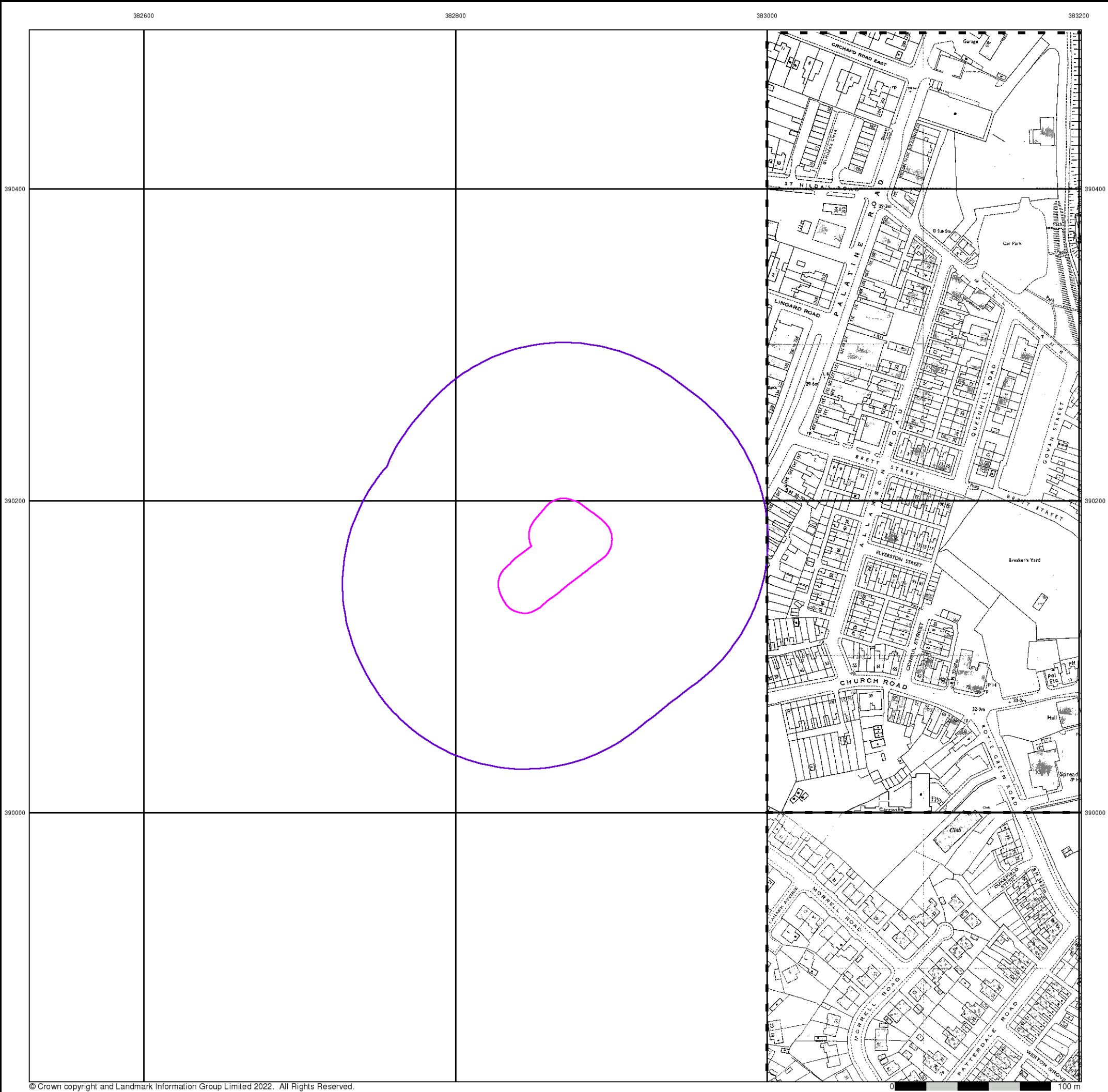
Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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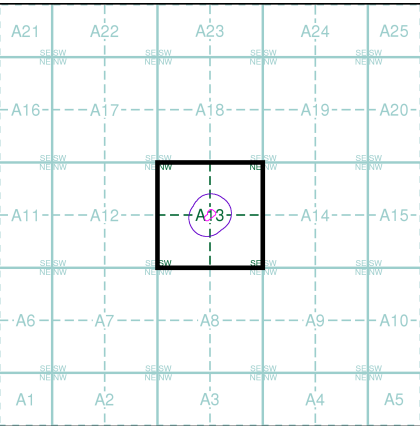
Additional SIMs
Published 1984 - 1989
Source map scale - 1:1,250

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)

SJ8390SW
1989
1:1,250
SJ8389NW
1984
1:1,250

Historical Map - Segment A13



Order Details

Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1992

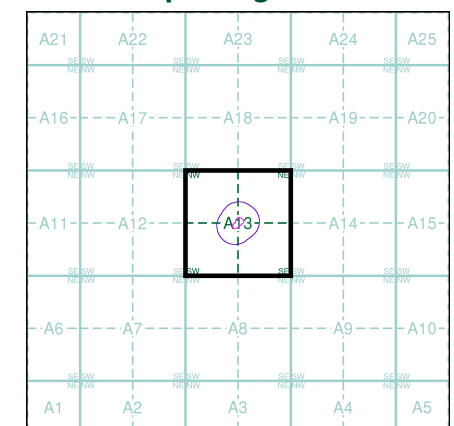
Source map scale - 1:1,250

'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)

BJ8290NEBJ8390NW	1992	1992
1:1,250	1:1,250	1:1,250
BJ8290SEBJ8390SW	1992	1992
1:1,250	1:1,250	1:1,250
BJ8289NEBJ8389NW	1992	1992
1:1,250	1:1,250	1:1,250

Historical Map - Segment A13



Order Details

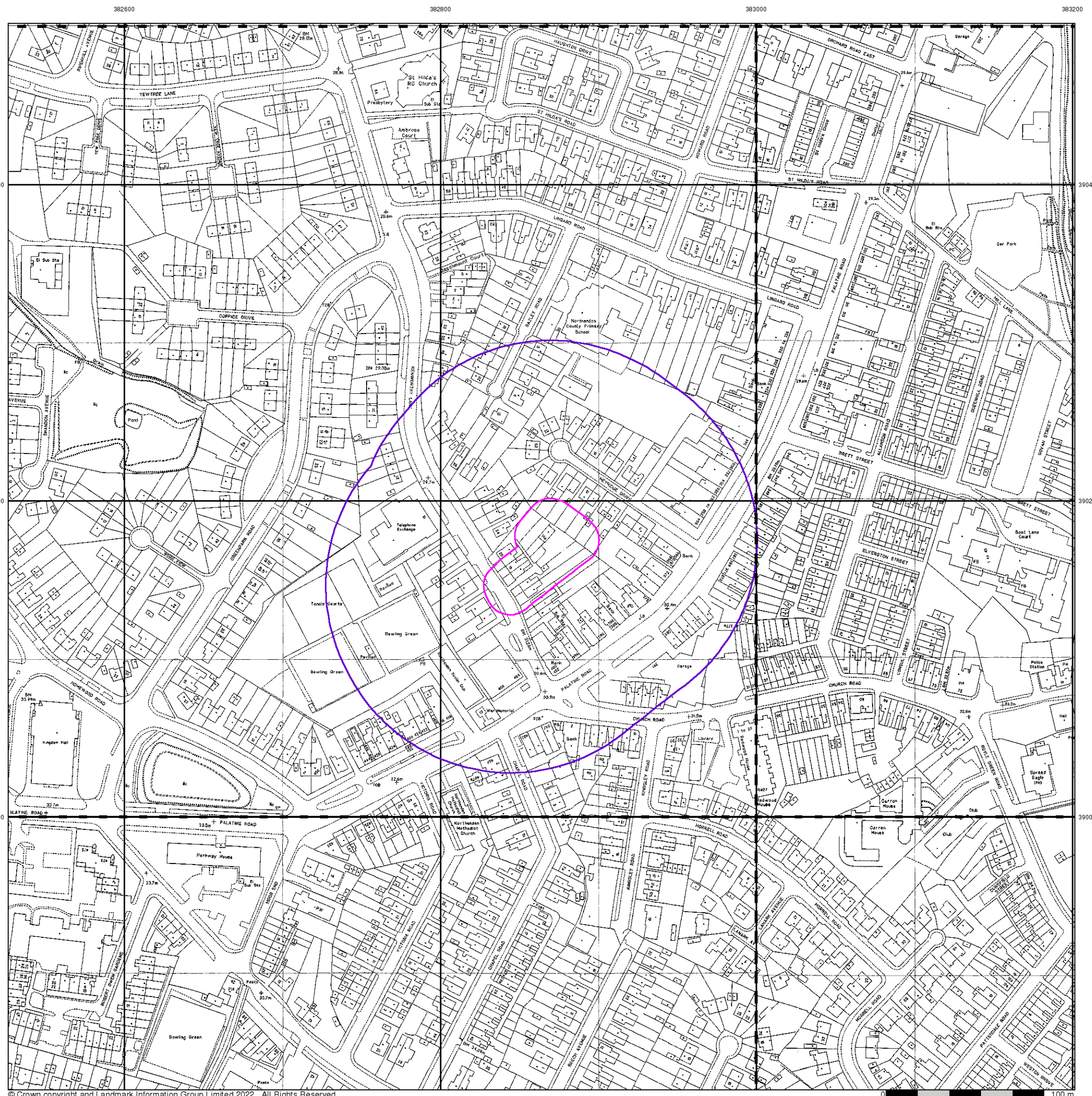
Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

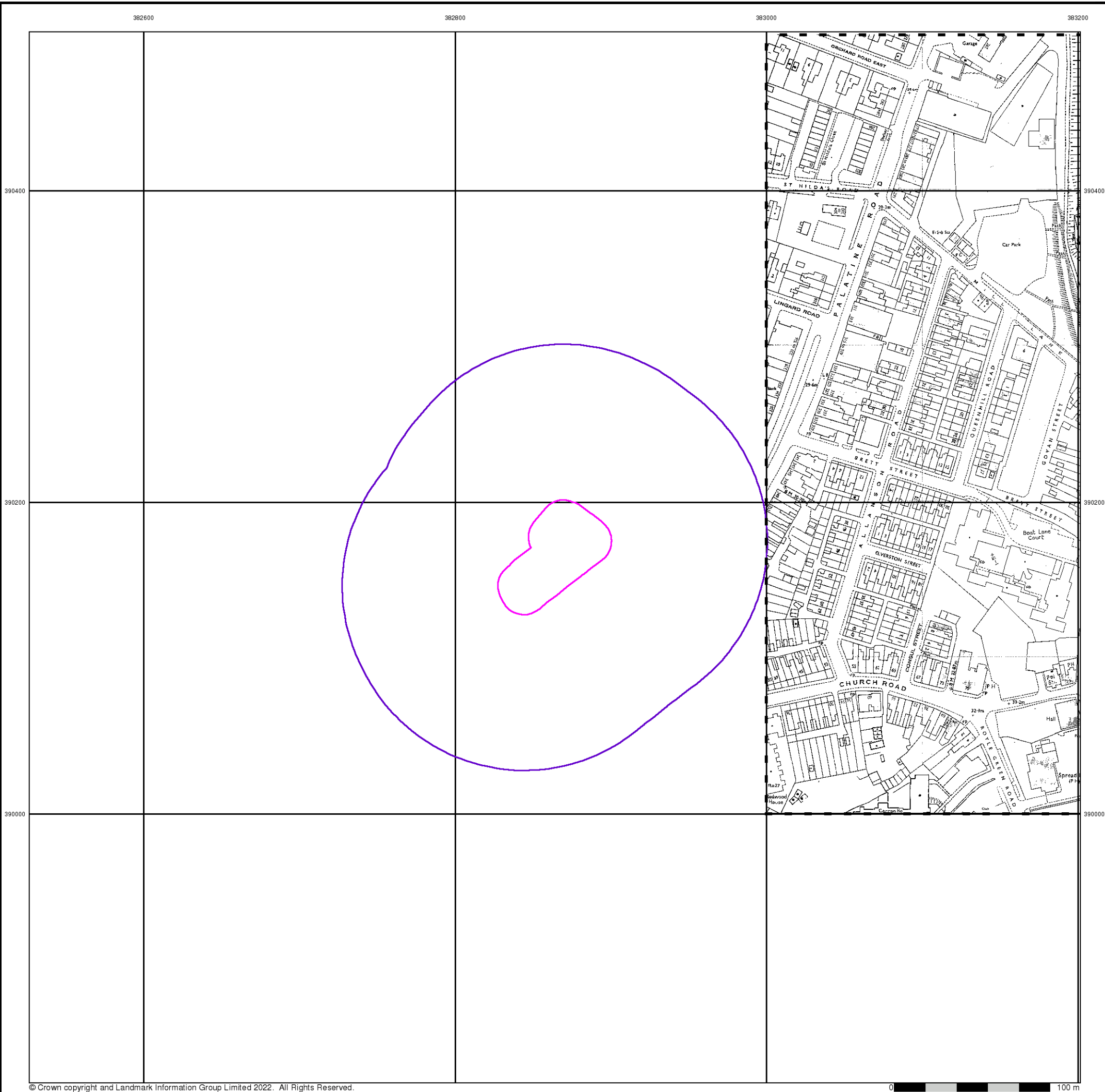
Site Details

14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ



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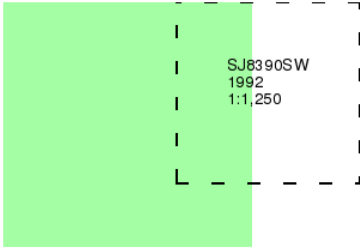




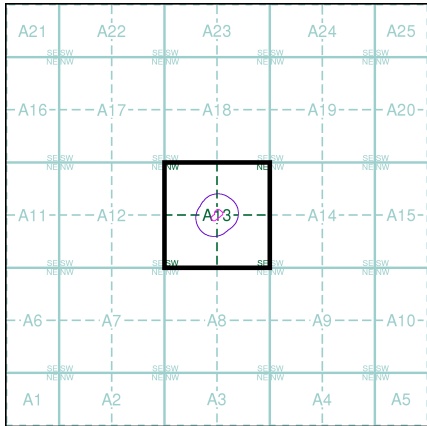
Additional SIMs
Published 1992
Source map scale - 1:1,250

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 A13

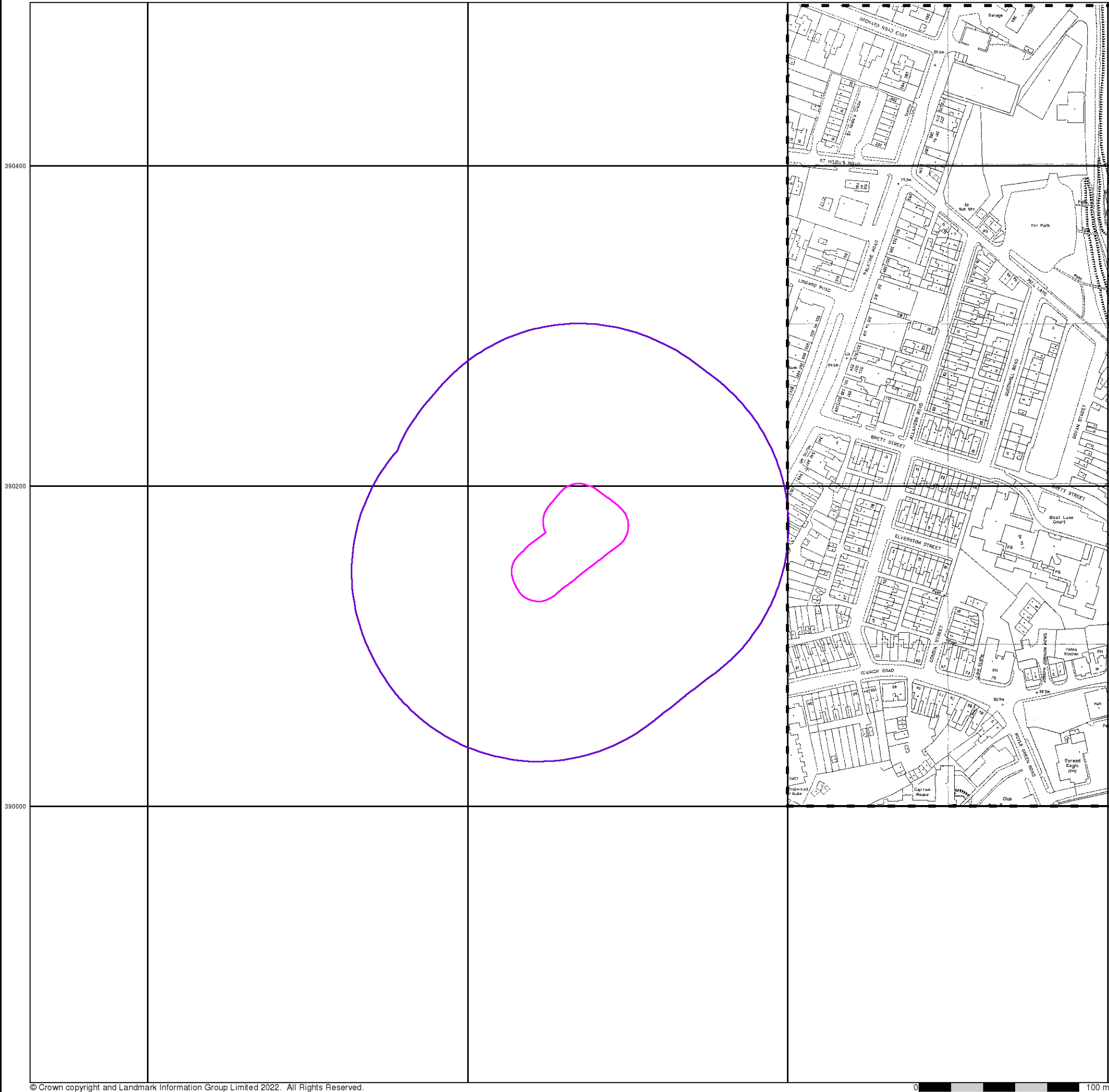


Order Details
Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details
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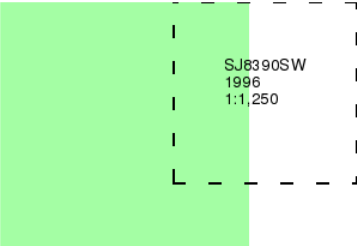
Large-Scale National Grid Data

Published 1996

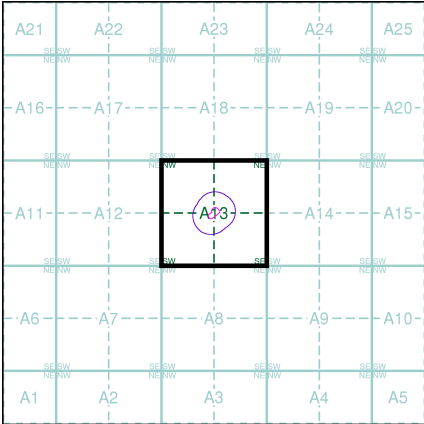
Source map scale - 1:1,250

'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 A13



Order Details

Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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0 100 m

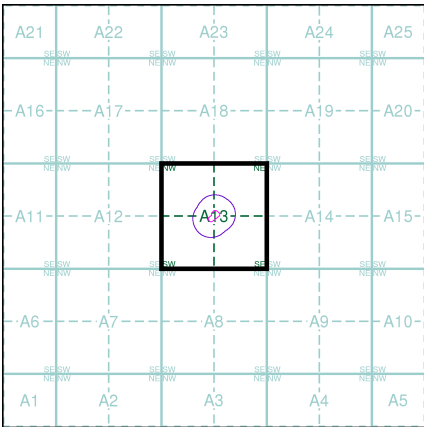


Historical Aerial Photography

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 A13



Order Details

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 100

Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	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				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	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
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		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
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

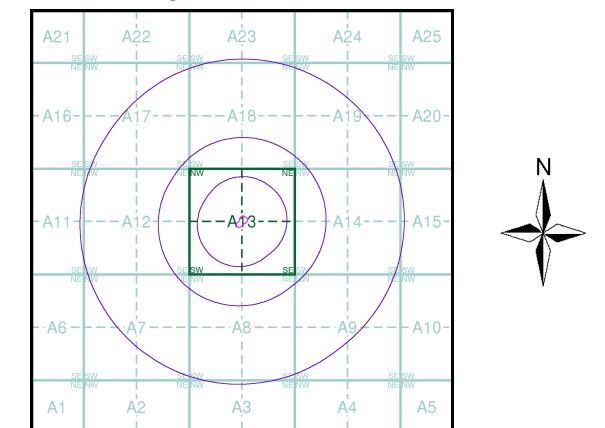
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	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



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1911	7
Cheshire	1:10,560	1911	8
Cheshire	1:10,560	1911	9
Cheshire	1:10,560	1911	10
Lancashire And Furness	1:10,560	1923	11
Cheshire	1:10,560	1938	12
Lancashire And Furness	1:10,560	1938	13
Ordnance Survey Plan	1:10,000	1954 - 1955	14
Ordnance Survey Plan	1:10,000	1966 - 1967	15
Manchester	1:25,000	1975	16
Ordnance Survey Plan	1:10,000	1977	17
Ordnance Survey Plan	1:10,000	1981	18
Ordnance Survey Plan	1:10,000	1989	19
Ordnance Survey Plan	1:10,000	1990	20
Ordnance Survey Plan	1:10,000	1996	21
10K Raster Mapping	1:10,000	1999	22
10K Raster Mapping	1:10,000	2006	23
VectorMap Local	1:10,000	2021	24

Historical Map - Slice A



Order Details

Order Number: 291975093_1_1
Customer Ref: GS1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

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Landmark
INFORMATION GROUP

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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 Small Bridge 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

180/12 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

Telegraph/Telephone Lines 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 Water Gauge Water Level Mark

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

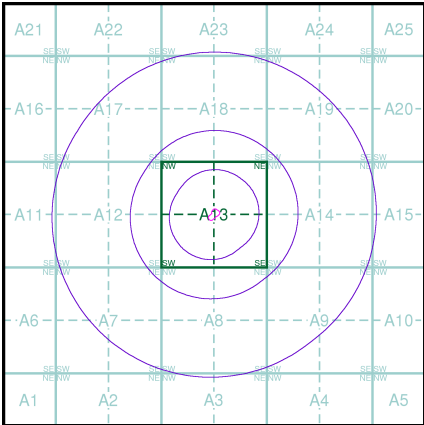
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1911	7
Cheshire	1:10,560	1911	8
Cheshire	1:10,560	1911	9
Cheshire	1:10,560	1911	10
Lancashire And Furness	1:10,560	1923	11
Cheshire	1:10,560	1938	12
Lancashire And Furness	1:10,560	1938	13
Ordnance Survey Plan	1:10,000	1954 - 1955	14
Ordnance Survey Plan	1:10,000	1966 - 1967	15
Manchester	1:25,000	1975	16
Ordnance Survey Plan	1:10,000	1977	17
Ordnance Survey Plan	1:10,000	1981	18
Ordnance Survey Plan	1:10,000	1989	19
Ordnance Survey Plan	1:10,000	1990	20
Ordnance Survey Plan	1:10,000	1996	21
10K Raster Mapping	1:10,000	1999	22
10K Raster Mapping	1:10,000	2006	23
VectorMap Local	1:10,000	2021	24

Russian Map - Slice A



Order Details

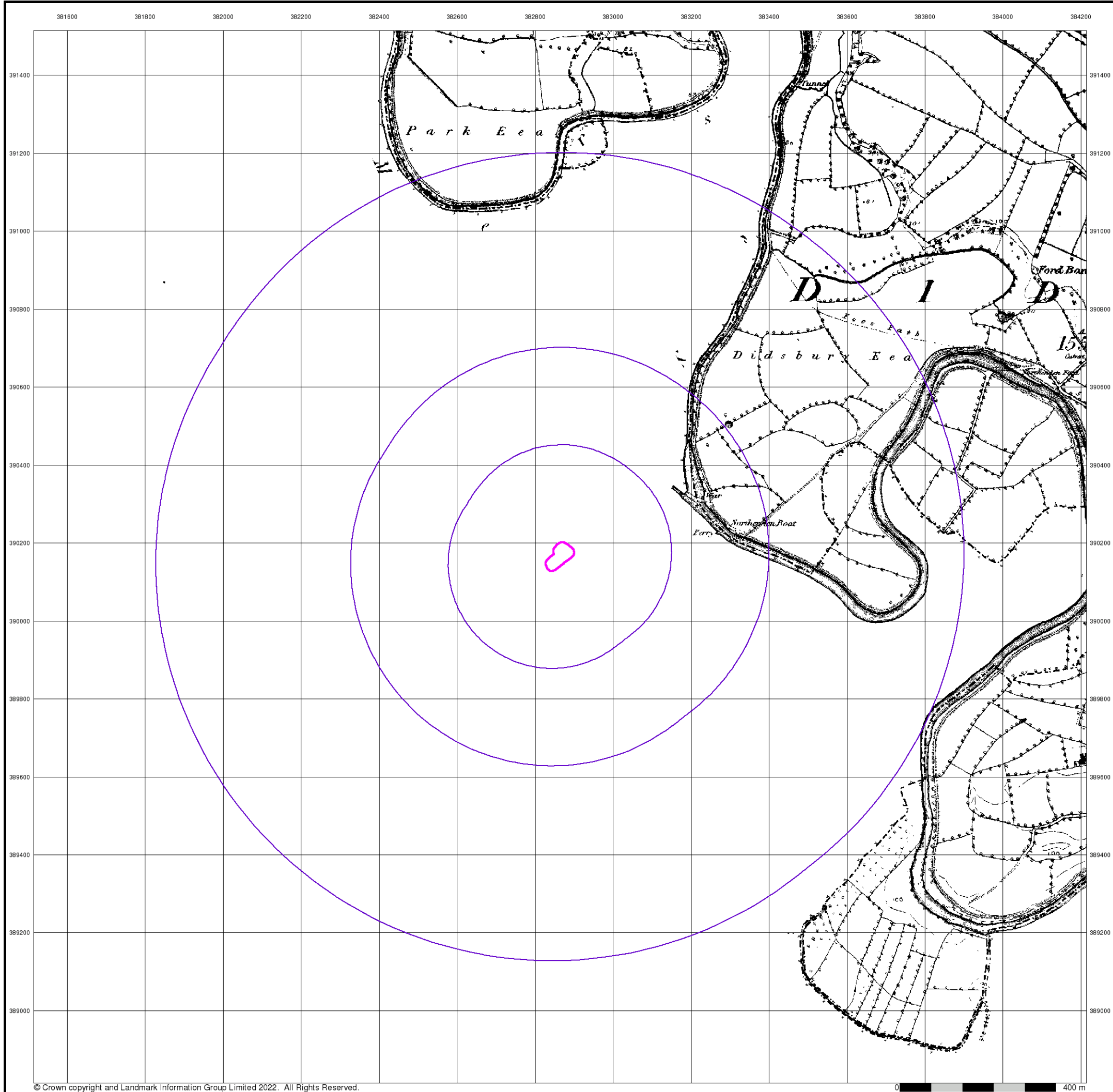
Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

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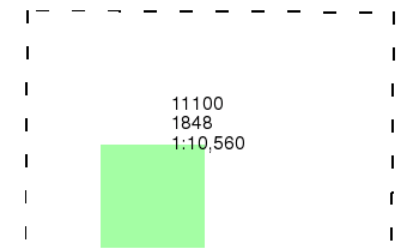
Lancashire And Furness

Published 1848

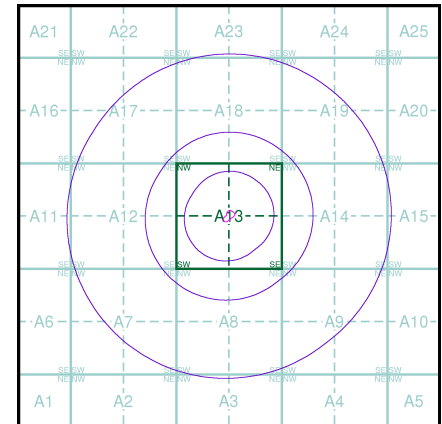
Source map scale - 1:10,560

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

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

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Cheshire

Published 1882

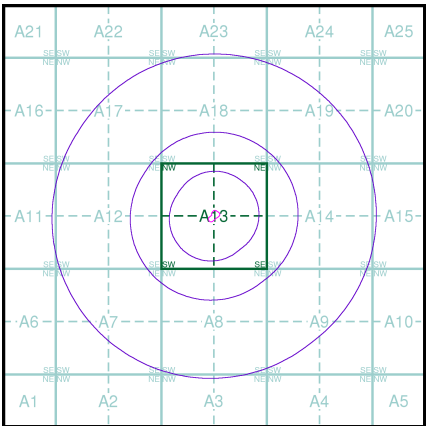
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

00900 1882 1:10,560	01000 1882 1:10,560
01800 1882 1:10,560	01900 1882 1:10,560

Historical Map - Slice A



Order Details

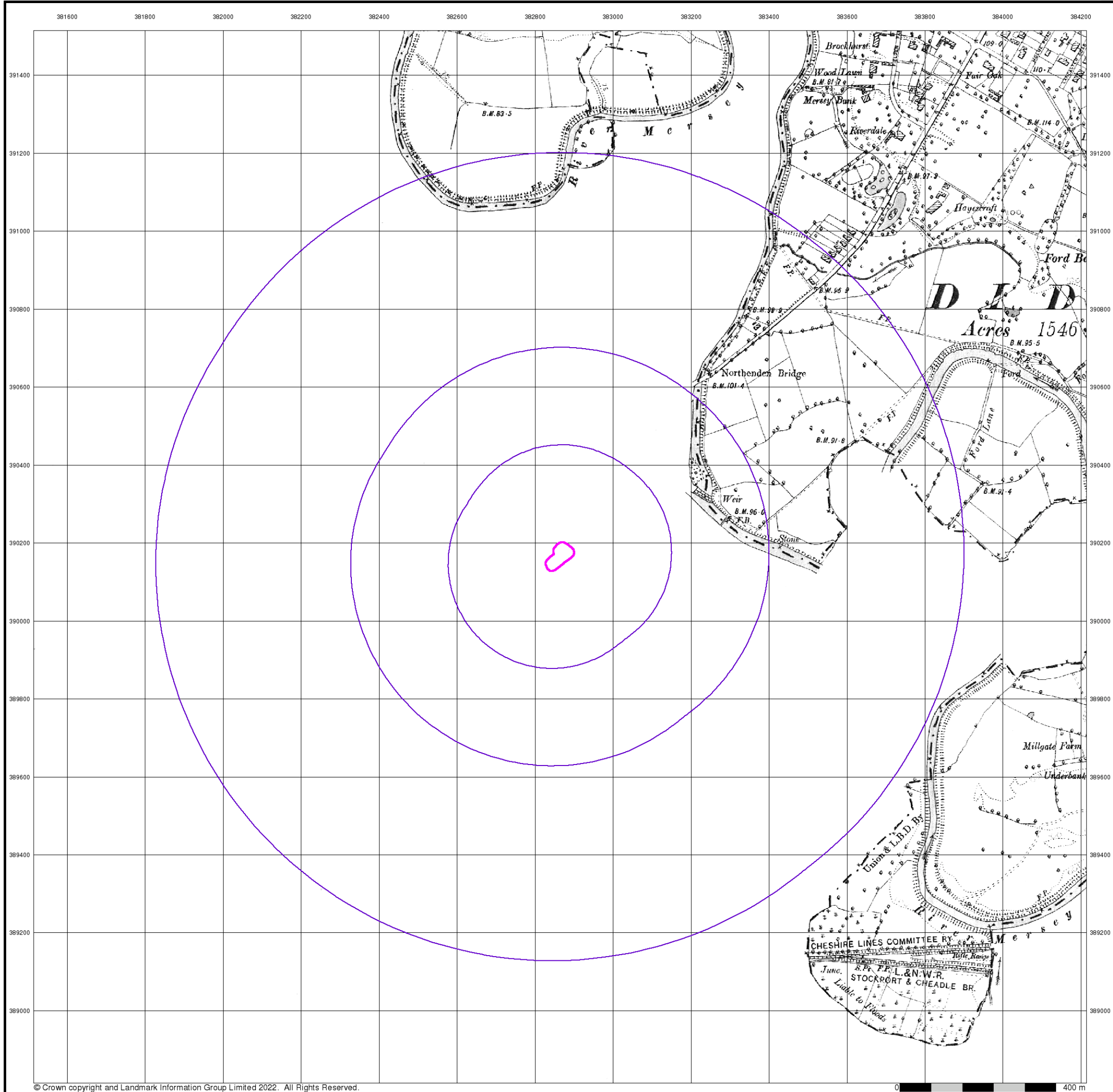
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Search Buffer (m): 1000

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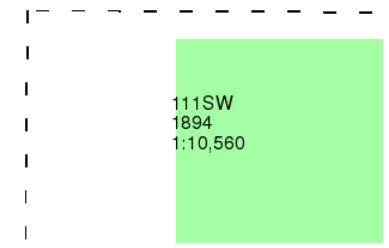
Lancashire And Furness

Published 1894

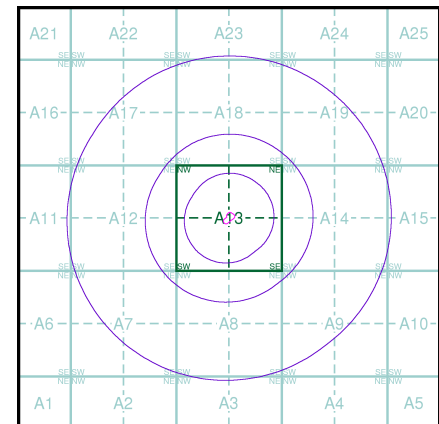
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. 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: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

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Cheshire

Published 1899

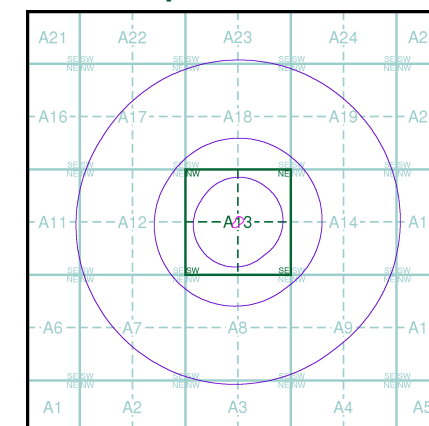
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

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018NE 1899 1:10,560	019NW 1899 1:10,560

Historical Map - Slice A



Order Details

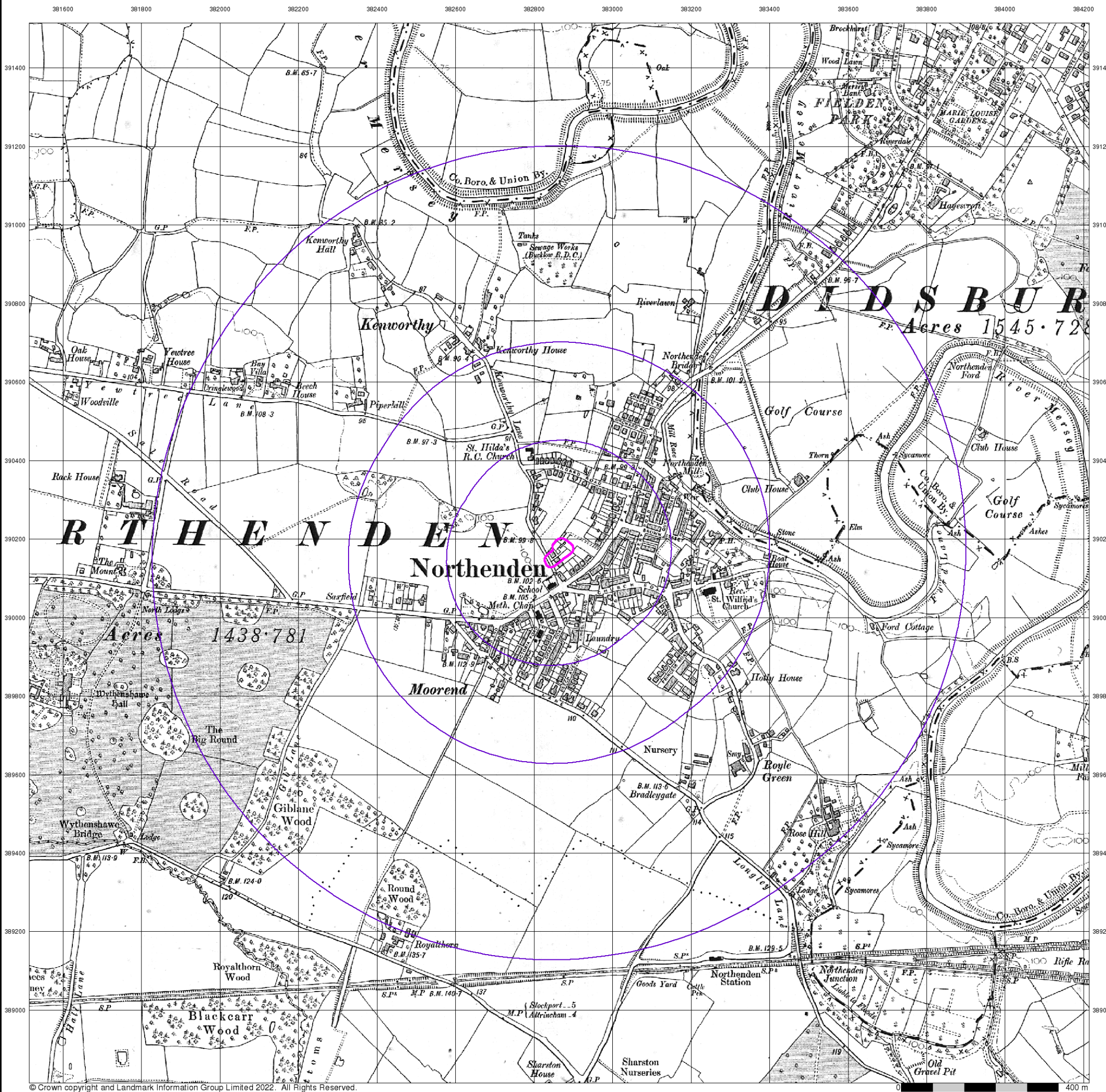
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Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

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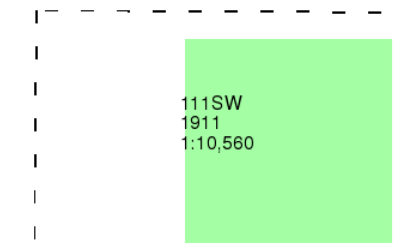
Lancashire And Furness

Published 1911

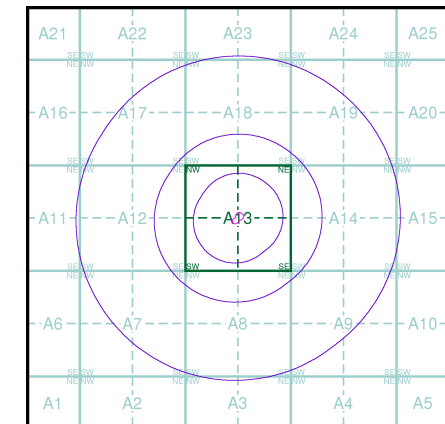
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

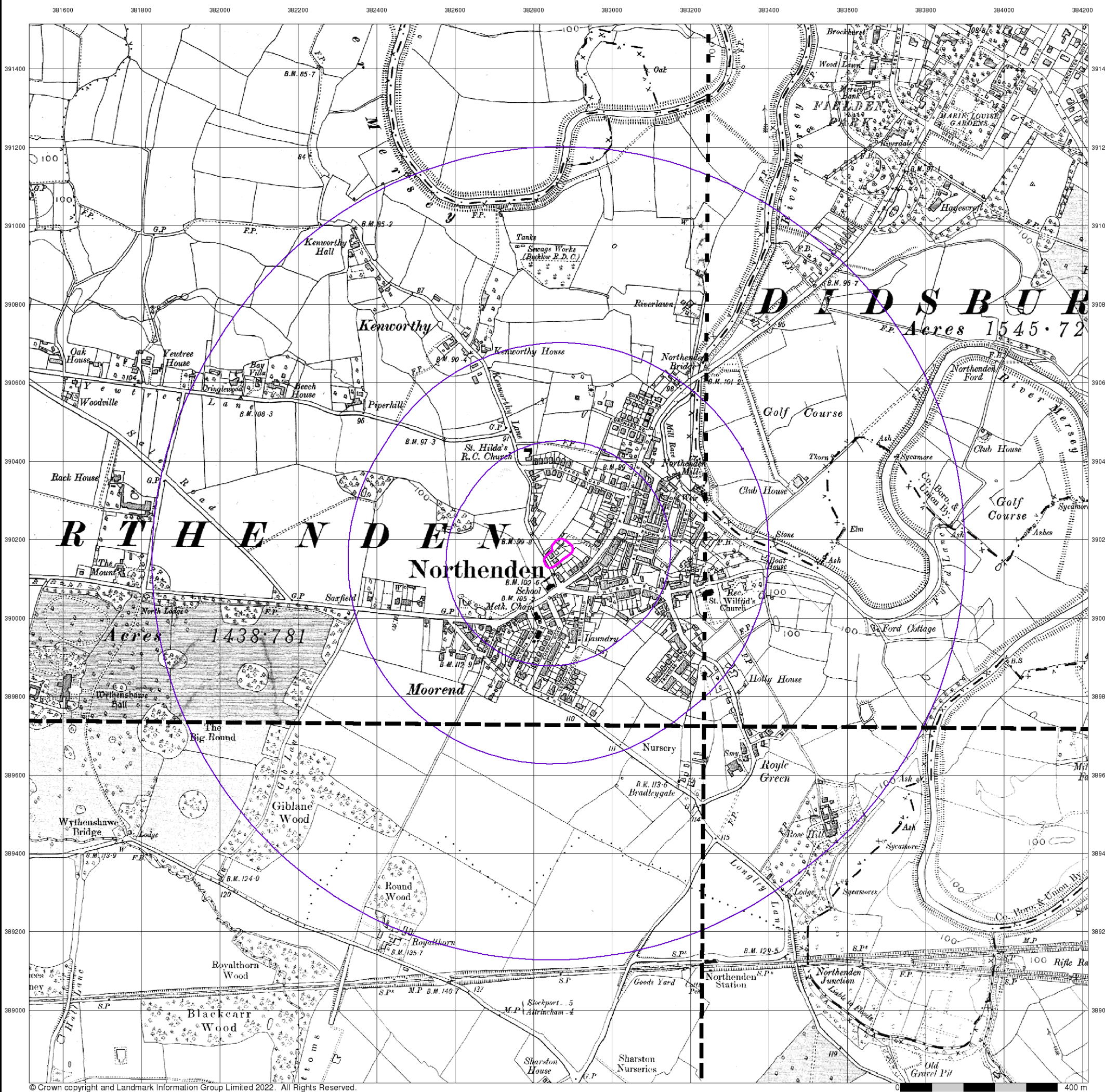
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Site Area (Ha): 0.31
Search Buffer (m): 1000

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Cheshire

Published 1911

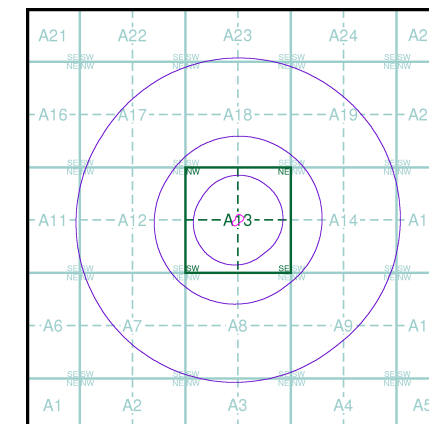
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Map Name(s) and Date(s)

009SE 1911 1:10,560	010SW 1911 1:10,560
018NE 1911 1:10,560	019NW 1911 1:10,560

Historical Map - Slice A



Order Details

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

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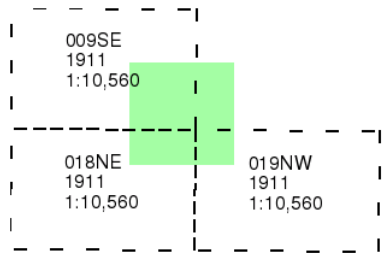
Cheshire

Published 1911

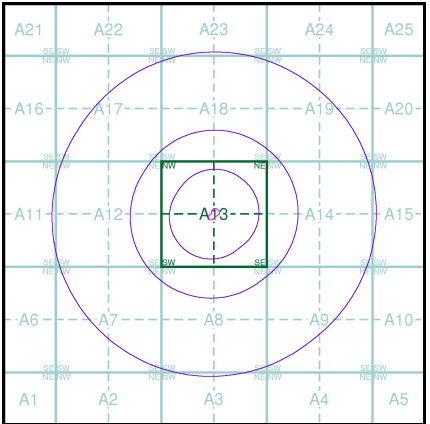
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

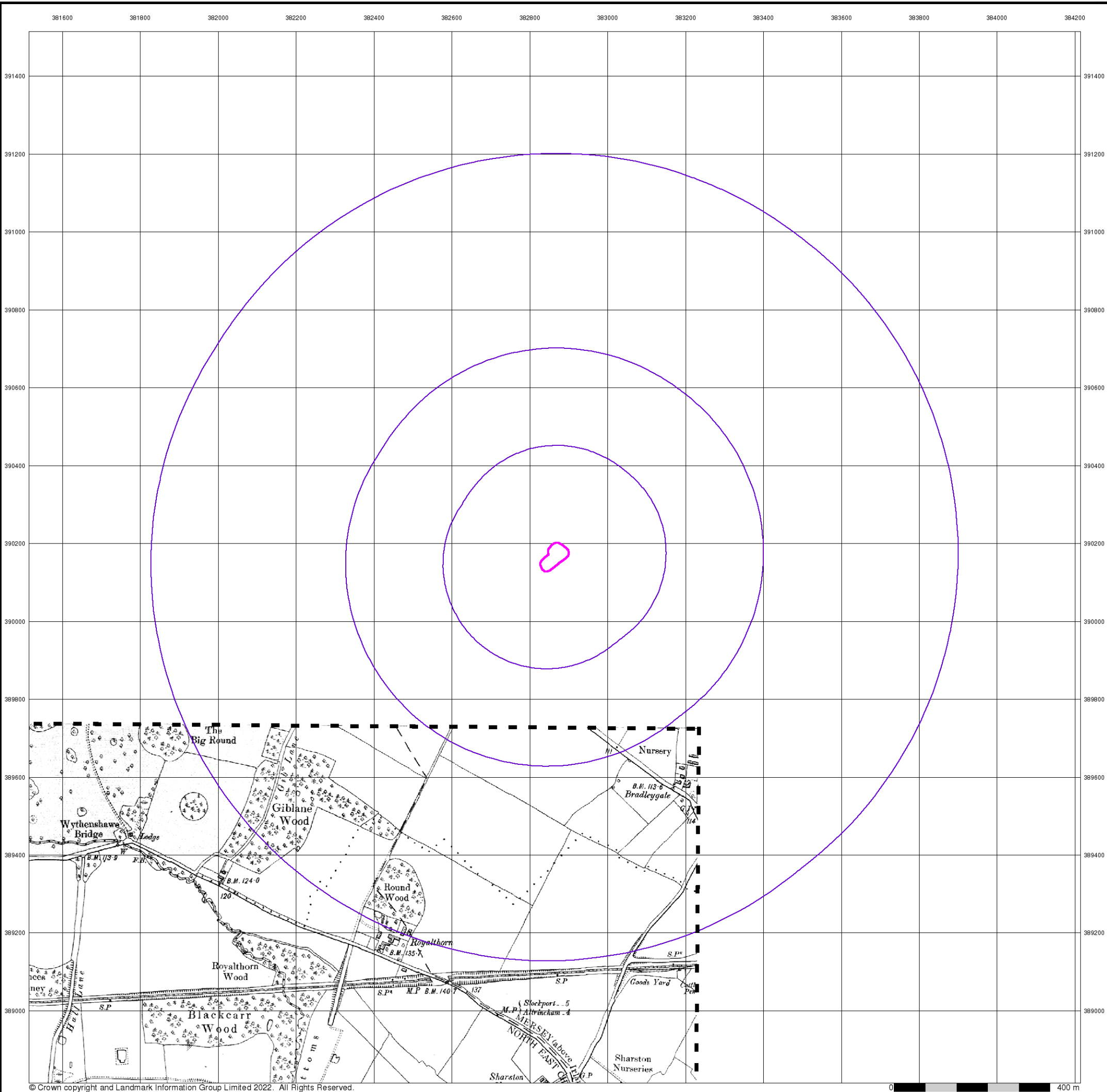
Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
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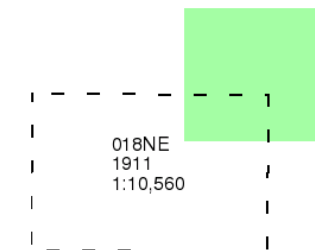
Cheshire

Published 1911

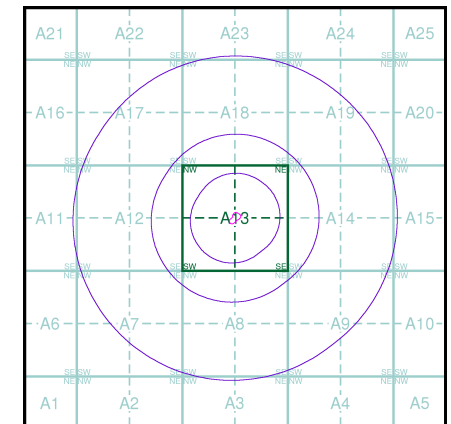
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

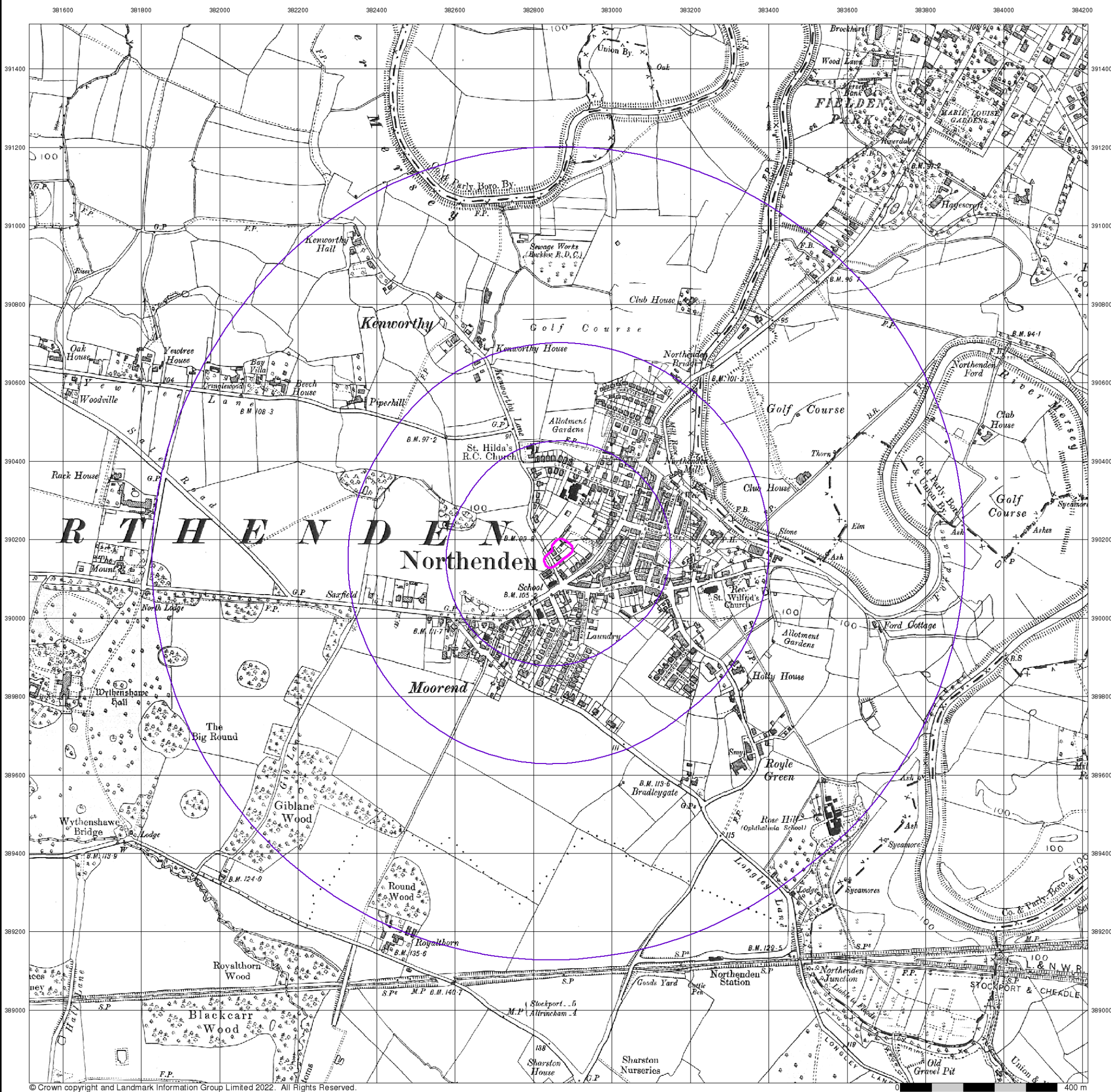
Order Number: 291975093_1_1
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National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

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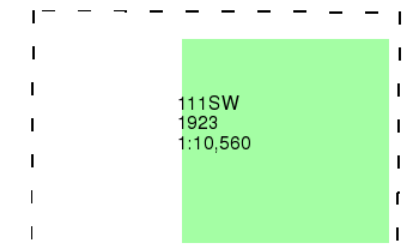
Lancashire And Furness

Published 1923

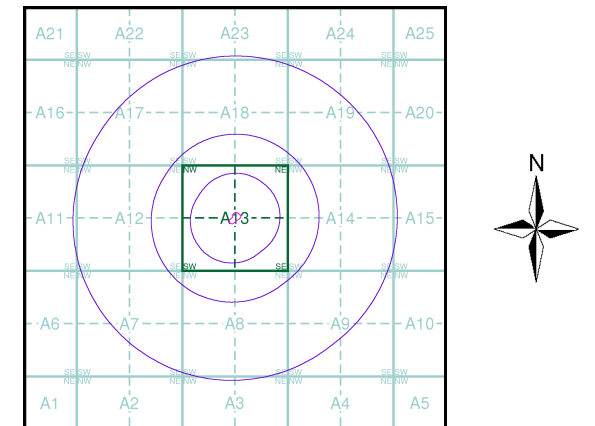
Source map scale - 1:10,560

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

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

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Cheshire

Published 1938

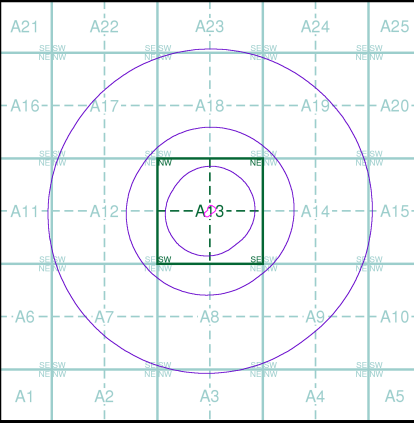
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

009SE 1938 1:10,560	010SW 1938 1:10,560
018NE 1938 1:10,560	019NW 1938 1:10,560

Historical Map - Slice A



Order Details

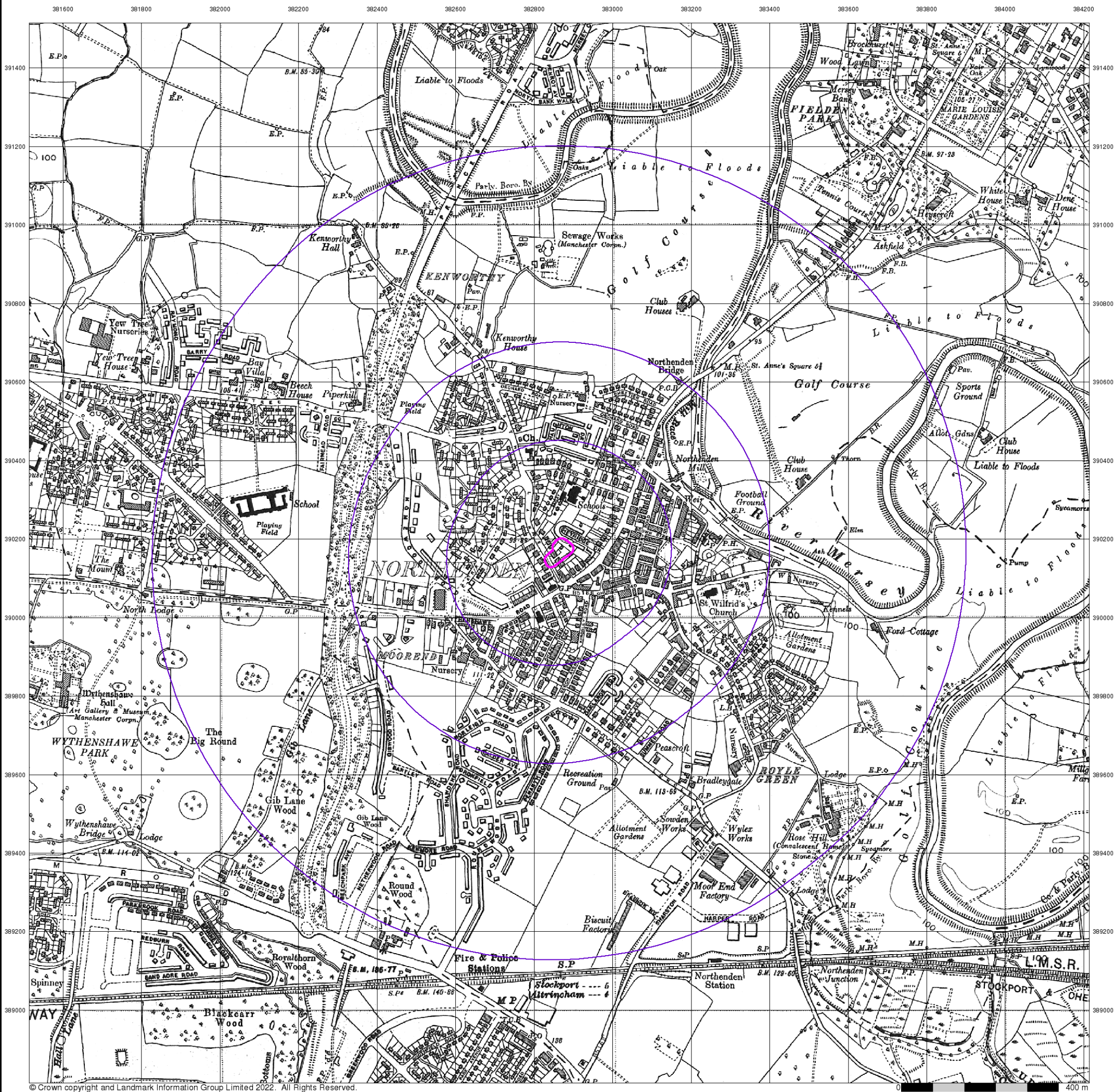
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Slice: A
Site Area (Ha): 0.31
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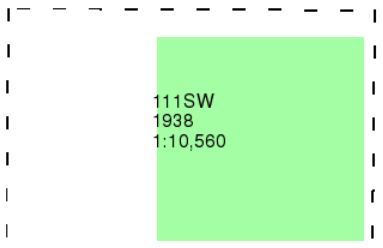
Lancashire And Furness

Published 1938

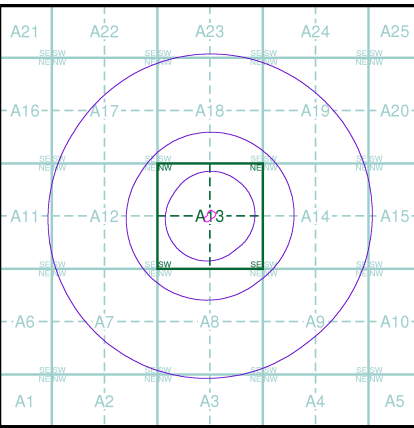
Source map scale - 1:10,560

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



Order Details

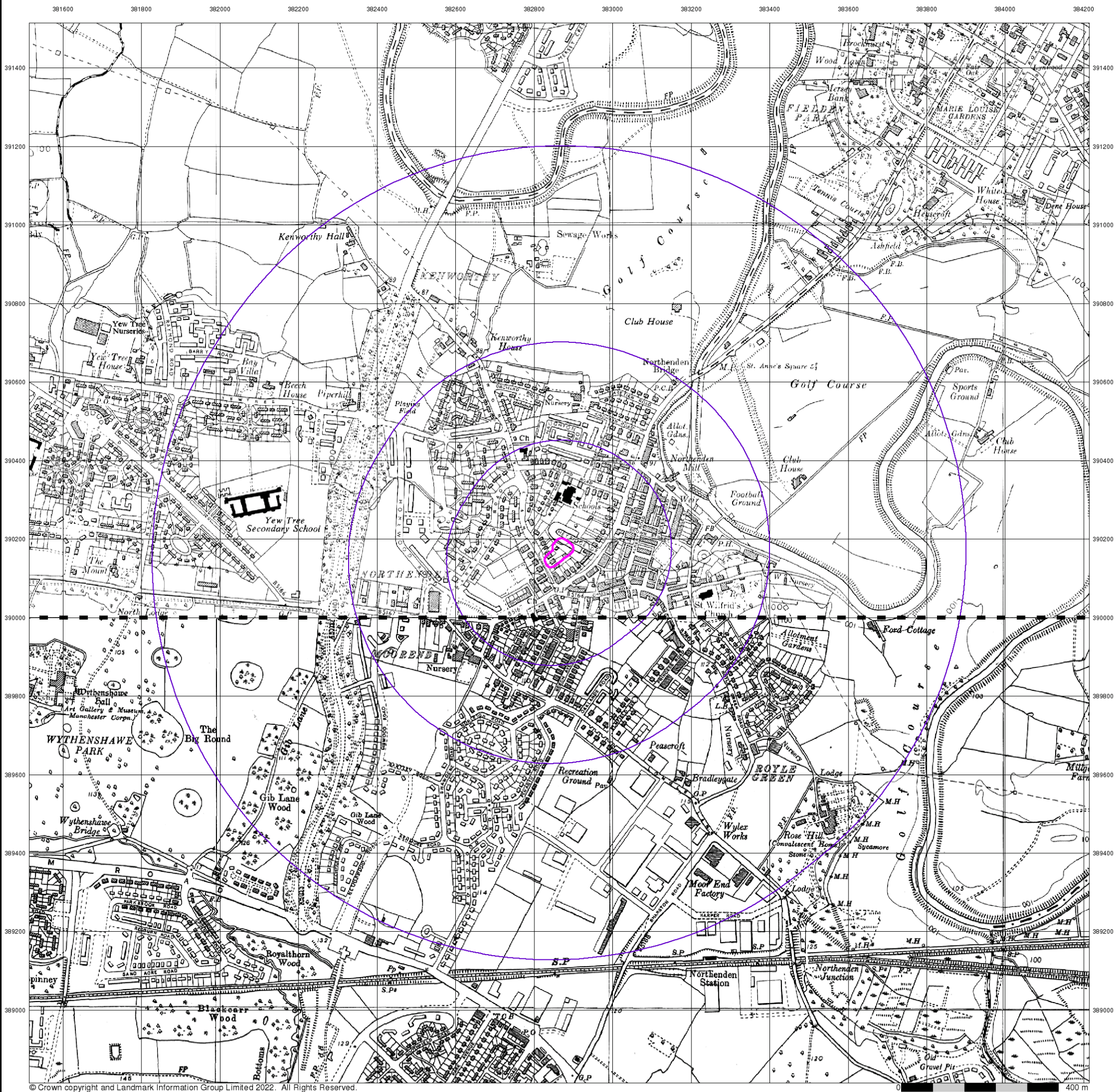
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Site Area (Ha): 0.31
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Ordnance Survey Plan

Published 1954 - 1955

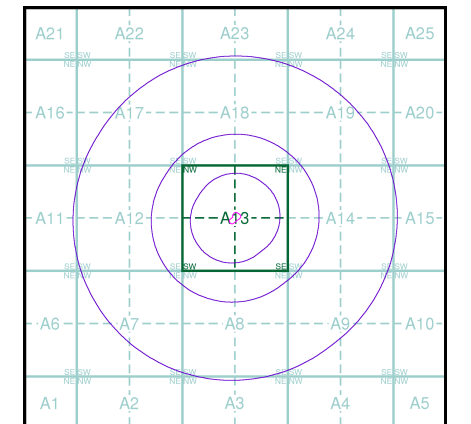
Source map scale - 1:10,000

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)

SJ89SW	1955
1:10,560	
SJ88NW	1954
1:10,560	

Historical Map - Slice A



Order Details

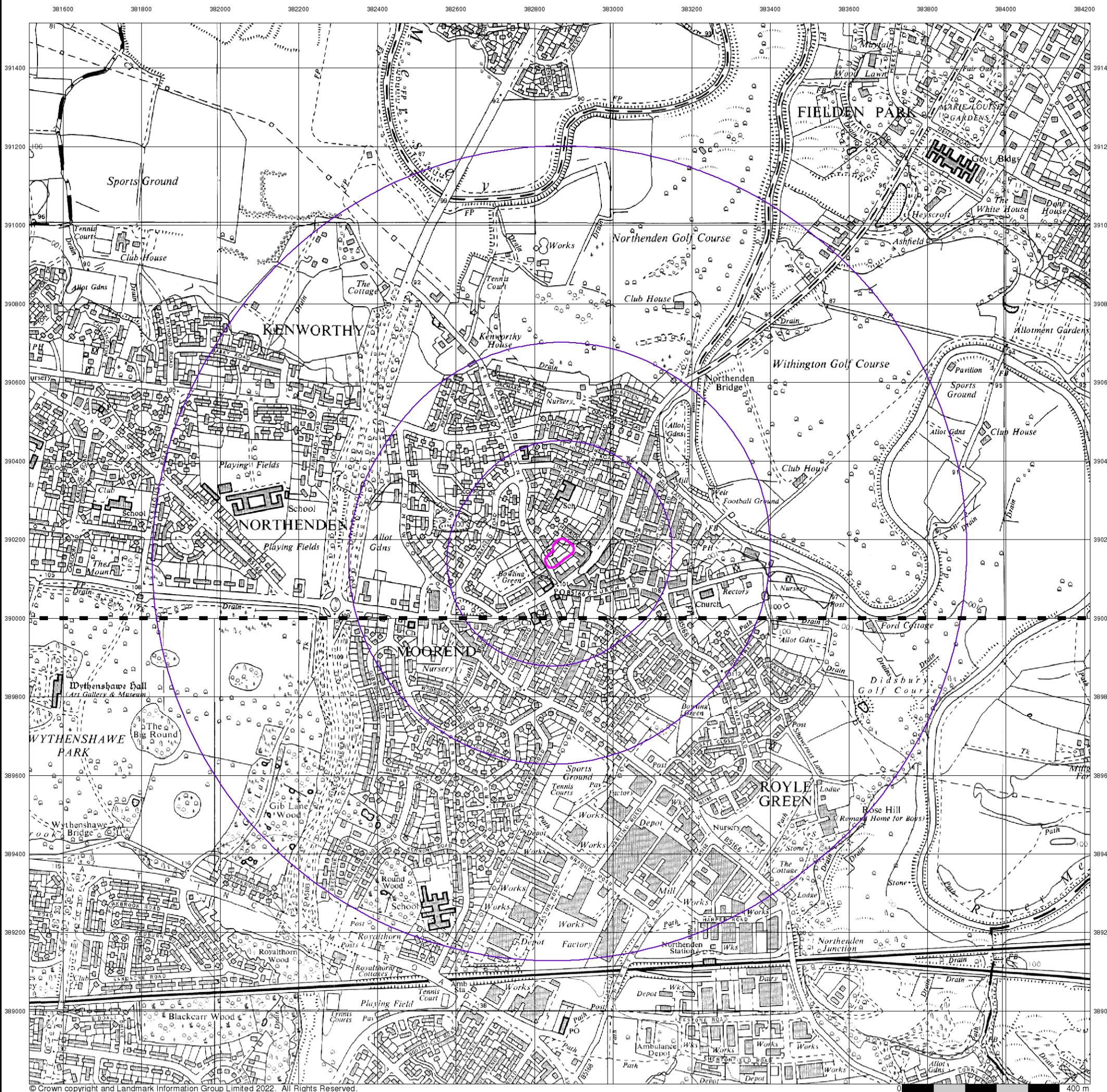
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Ordnance Survey Plan

Published 1966 - 1967

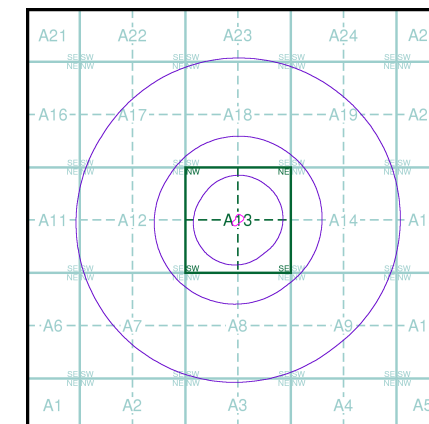
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

SJ89SW	1966
1:10,560	
SJ88NW	1967
1:10,560	

Historical Map - Slice A



Order Details

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

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Manchester

Published 1975

Source map scale - 1:25,000

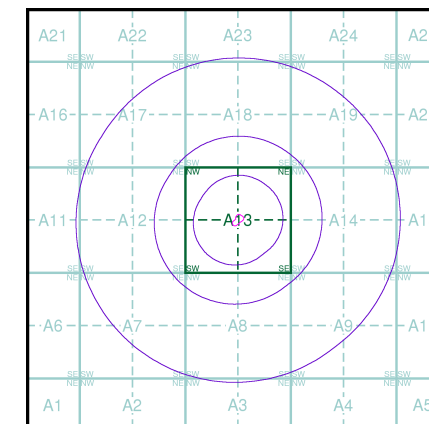
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed 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)

SJ89	1975	1:25,000
SJ88	1975	1:25,000

Russian Map - Slice A



Order Details

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

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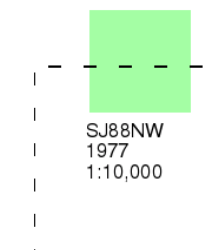
Ordnance Survey Plan

Published 1977

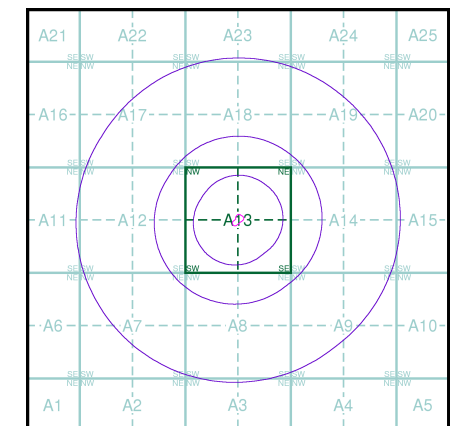
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 291975093_1_1
Customer Ref: GS11641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

Site Details

14A/B, Kenworthy Lane, MANCHESTER, M22 4EJ



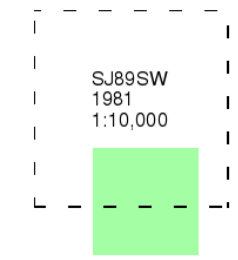
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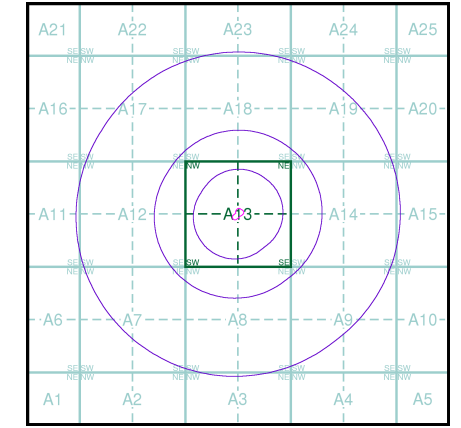
Ordnance Survey Plan
Published 1981
Source map scale - 1:10,000

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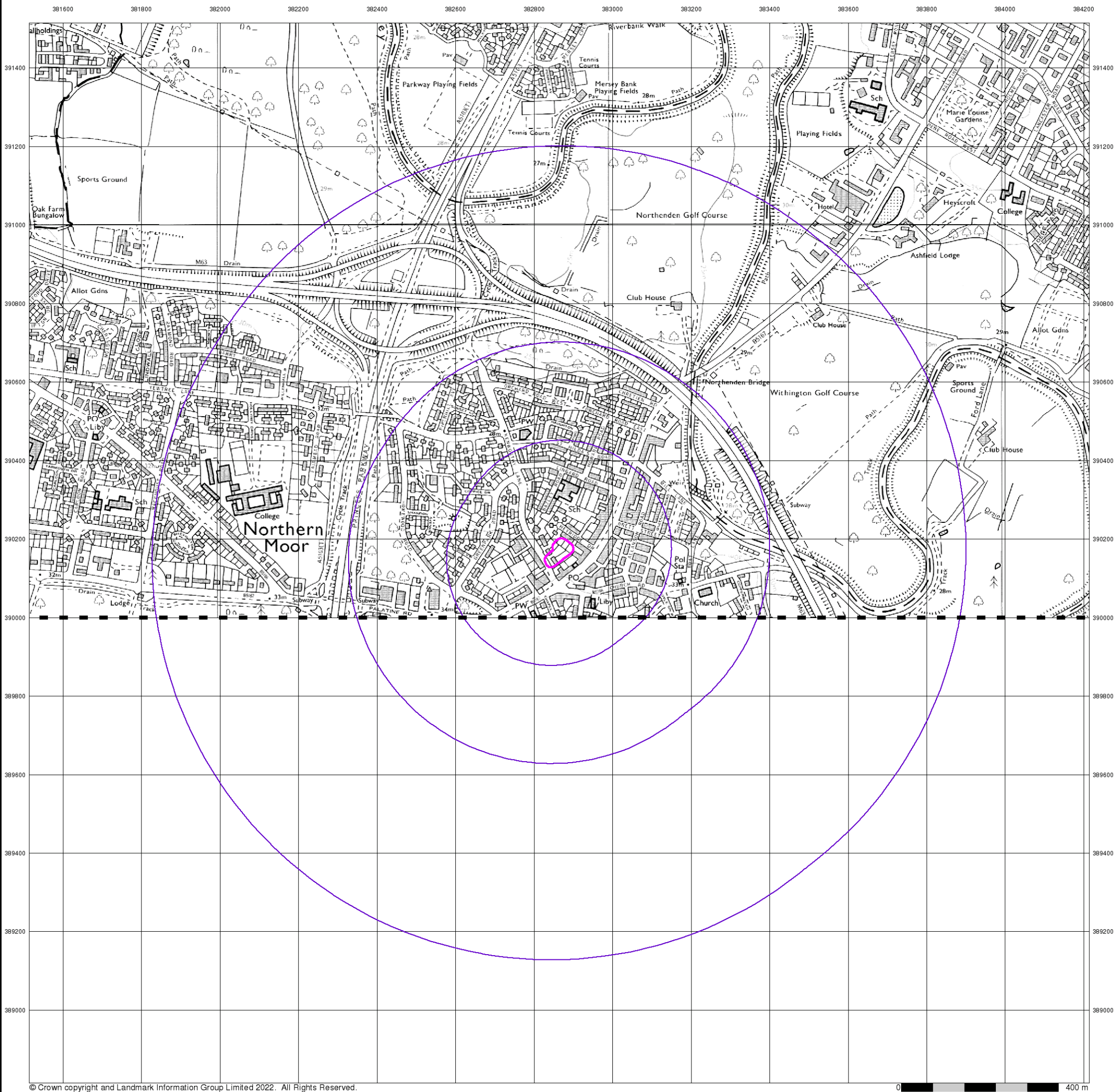
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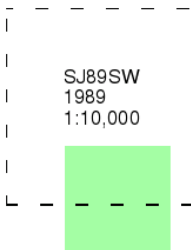
Ordnance Survey Plan

Published 1989

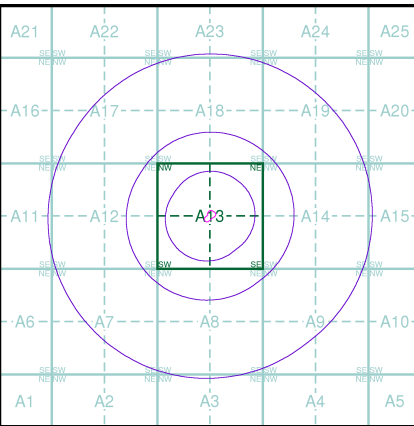
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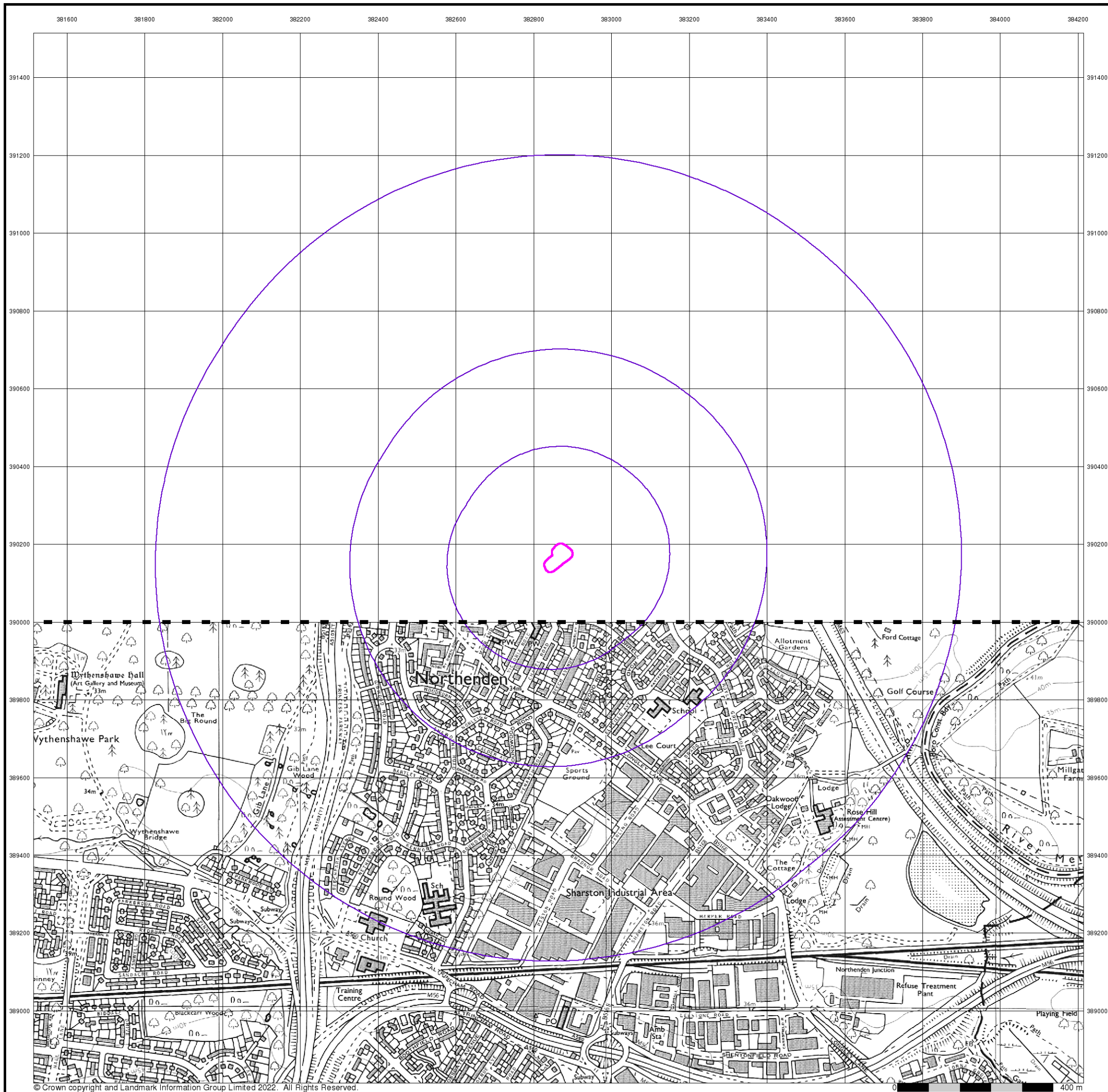
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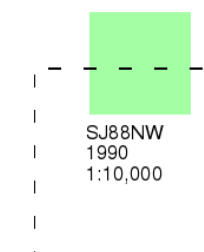
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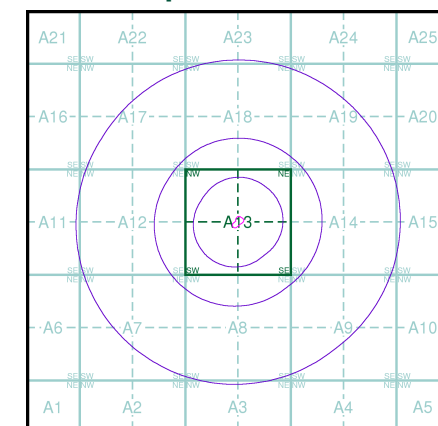
Ordnance Survey Plan
Published 1990
Source map scale - 1:10,000

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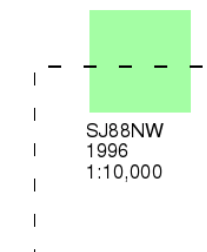
Ordnance Survey Plan

Published 1996

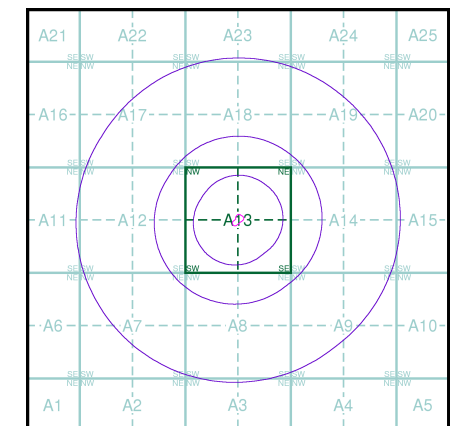
Source map scale - 1:10,000

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10k Raster Mapping

Published 1999

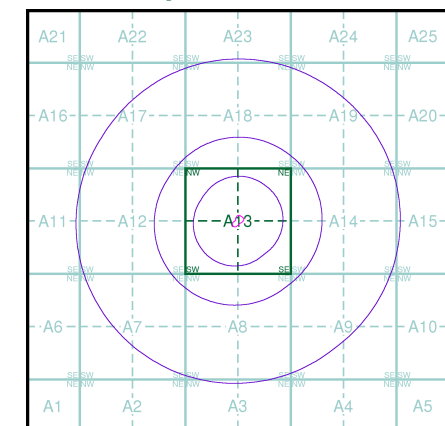
Source map scale - 1:10,000

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)

SJ89SW	1999	1:10,000
SJ88NW	1999	1:10,000

Historical Map - Slice A



Order Details

Order Number: 291975093_1_1
Customer Ref: GSI1641 JS
National Grid Reference: 382860, 390160
Slice: A
Site Area (Ha): 0.31
Search Buffer (m): 1000

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10k Raster Mapping

Published 2006

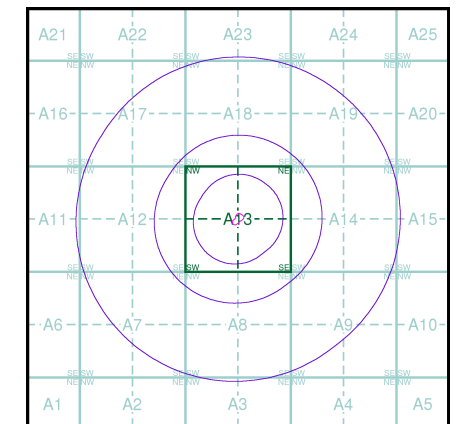
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SJ89SW	2006	1:10,000
SJ88NW	2006	1:10,000

Historical Map - Slice A



Order Details

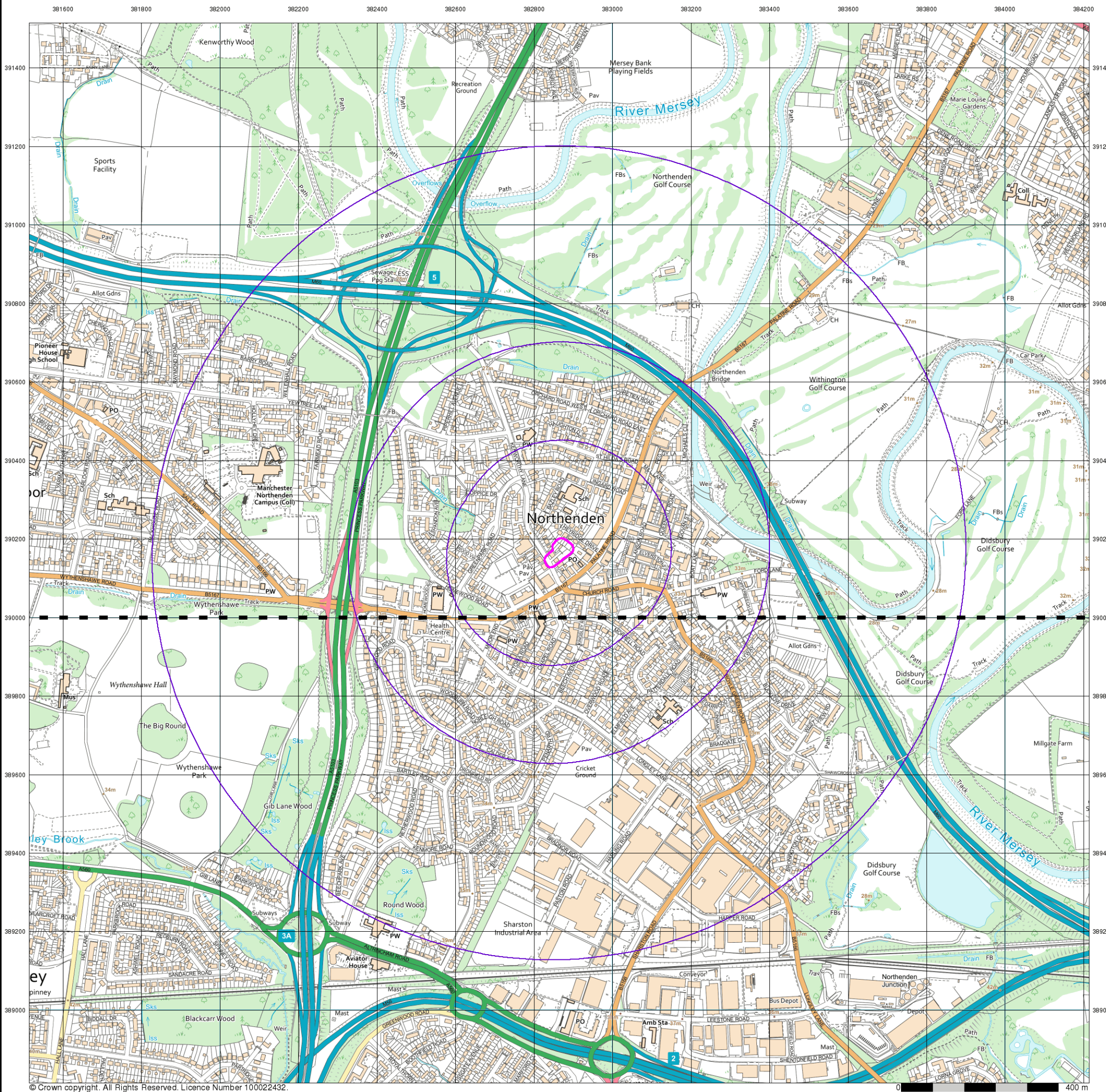
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VectorMap Local

Published 2021

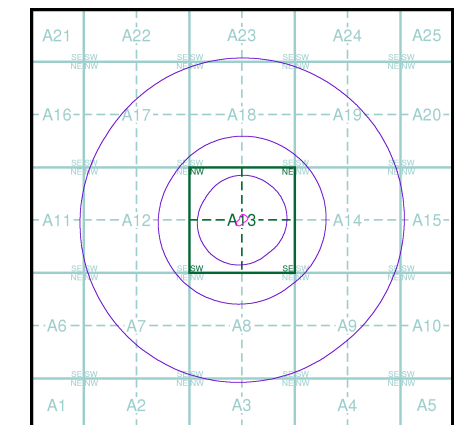
Source map scale - 1:10,000

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)

SJ89SW
2021
Variable
SJ88NW
2021
Variable

Historical Map - Slice A



Order Details

Order Number: 291975093_1_1
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APPENDIX C

RISK PROBABILITY MATRIX

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008) sets out a methodology for the estimation of risk.

At Phase I the risk estimation will take the form of a qualitative risk assessment, which will be entirely based on the conceptual model for each potential end-use of the site. Comments on level of uncertainty will also need to be included for each source-pathway-target linkage to allow the confidence in the assessed risks to be understood. The results of the qualitative risk assessment will allow the risk evaluation to be concisely described in the following chapters.

The methodology for risk evaluation is a qualitative method for interpreting the output for the risk estimation stage of the assessment. It involves the classification of the:

The magnitude of probability (i.e. likelihood).

[takes into account both the presence of the hazard and receptor and the integrity of the pathway]

The magnitude of the potential consequence (i.e. severity).

[takes into account both the potential severity of the hazard and the sensitivity of the receptor]

Classification of Probability

Classification	Definition	Examples
High likelihood (Hi)	There is a pollutant linkage and an event that either appears very likely in the short term and almost inevitable in the long term, or there is evidence at the receptor or harm or pollution.	<i>Elevated concentrations of toxic contaminants are present in soils in the top 0.5m in a residential garden.</i> <i>Ground/groundwater contamination could be present from chemical works, containing a number of USTs, having been in operation on the same site for over 50 years</i>
Likely (Li)	There is a pollutant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.	<i>Elevated concentrations of toxic contaminants are present in soils at depths of 0.5-1.0m in a residential garden, or the top 0.5m in public open space.</i> <i>Ground/groundwater contamination could be present from an industrial site containing a UST present between 1970 and 1990. The tank is known to be single skin. There is no evidence of leakage although there are no records of integrity tests.</i>
Low likelihood (Lw)	There is a pollutant linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.	<i>Elevated concentrations of toxic contaminants are present in soils at depths >1m in a residential garden, or 0.5-1.0m in public open space.</i> <i>Ground/groundwater contamination could be present on a light industrial unit constructed in the 1990s containing a UST in operation over the last 10 years – the tank is double skinned but there is no integrity testing or evidence of leakage.</i>
Unlikely (UI)	There is a pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.	<i>Elevated concentrations of toxic contaminants are present below hardstanding.</i> <i>Light industrial unit <10 yrs old containing a double skinned UST with annual integrity testing results available.</i>

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

Classification of Consequence

	Definition	Examples
Severe (Sv)	Highly elevated concentrations likely to result in “significant harm” to human health as defined by the EPA 1990, Part 2A, if exposure occurs. A Category 1: Human Health risk is present. Equivalent to EA Category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point major impact on amenity value or major damage to agriculture or commerce. Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long - term maintenance of the population. Catastrophic damage to crops, buildings or property.	<i>Significant harm to humans is defined in circular 01/2006 as death, disease*, serious injury, genetic mutation, birth defects or the impairment of reproductive functions.</i> <i>Major fish kill in surface water from large spillage of contaminants from site.</i> <i>Highly elevated concentrations of List 1 and substances present in groundwater close to small potable abstraction (high sensitivity).</i> <i>Explosion, causing building collapse (can also equate to immediate human health risk if buildings are occupied).</i>
Medium (Md)	Elevated concentrations which could result in “significant harm” to human health as defined by the EPA 1990, Part 2A if exposure occurs. A Category 2: Human Health risk is present. Equivalent to EA Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce. Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population. Significant damage to crops, buildings or property.	<i>Significant harm to humans is defined in circular 01/2006 as death, disease* serious injury, genetic mutation, birth defects or the impairment of reproductive functions.</i> <i>Damage to building rendering it unsafe to occupy e.g. foundation damage resulting in instability.</i> <i>Ingress of contaminants through plastic potable water pipes.</i>
Mild (MI)	Exposure to human health unlikely to lead to “significant harm”. A Category 3 Human Health risk is present. Equivalent to EA Category 3 pollution incident including minimal or short lived effect on water quality; marginal effect on amenity value, agriculture or commerce Minor or short lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population Minor damage to crops, buildings or property.	<i>Exposure could lead to slight short - term effects (e.g. mild skin rash).</i> <i>Surface spalling of concrete.</i>
Minor (Mr)	No measurable effect on humans. A Category 4: Human Health risk is present. Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems. Repairable effects of damage to buildings, structures and services.	<i>The presence of contaminants at such concentrations that protective equipment is required during site works.</i> <i>The loss of plants in a landscaping scheme.</i> <i>Discolouration of concrete.</i>

* For these purposes, disease is to be taken to mean an unhealthy condition of the body or a part of it and can include, for example, cancer, liver dysfunction or extensive skin ailments. Mental dysfunction is included only insofar as it is attributable to the effects of a pollutant on the body of the person concerned.

The classification of consequence does not take into account the probability of the consequence being realized. Therefore, there may be more than one consequence for a particular pollutant linkage. Both a severe and medium classification can result in death. Severe relates to short term (acute) risk while medium relates to long

Preliminary Risk Assessment Methodology (After NHBC Guidance for the Safe Development of Housing on Land Affected by Contamination (2008))

term (chronic) risk. Mild relates to significant harm but to less sensitive receptors. Minor classification relates to harm which is not significant but could have a financial cost.

The classification gives a guide as to the severity and consequence of identified risk when compared with other risk presented on the site. It should be noted that if a risk is identified it cannot be classified as “no risk” but as “very low risk”. Differing stakeholders may have a different view on the acceptability of a risk.

Risk Evaluation Matrix

		Consequence			
		Severe (Sv)	Medium (Md)	Mild (Mi)	Minor (Mr)
Probability	High likelihood (Hi)	Very high risk (VH)	High Risk (H)	Moderate Risk (M)	Mod/low risk (M/L)
	Likely (Li)	High risk (H)	Moderate risk (M)	Mod/low risk (M/L)	Low risk (L)
	Low likelihood (Lw)	Moderate risk (M)	Mod/low risk (M/L)	Low risk (L)	Very low risk (VL)
	Unlikely (UI)	Mod/low risk (M/L)	Low risk (L)	Very low risk (VL)	Very low risk (VL)

Risk Categorizations

Very high risk (VH)	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening. This risk, if realized, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High risk (H)	Harm is likely to arise to a designated receptor from an identified hazard. Realization of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short-term and are likely over the longer-term.
Moderate risk (M)	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer-term.
Low risk (L)	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realized, would at worst normally be mild.
Very low risk (VL)	There is a low possibility that harm could arise to a receptor. In the event of such harm being realized it is not likely to be severe.

Reference

Rudland, D J, Lancefield, R M, Mayell, P N; 2001; Contaminated land Risk Assessment. A guide to Good Practice; CIRIA Report C552.

The NHBC (National House-Building Council) the Environment Agency and the Chartered Institute of Environmental Health, 2008, Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66.