GEOENVIRONMENTAL SITE INVESTIGATION REPORT
PHASE I PRELIMINARY RISK ASSESSMENT
OF LAND OFF
MOSS LANE WEST
MANCHESTER

Prepared for: -

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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
LQM	Land Quality Management
mbgl	Meters Below Ground Level
MP	Mackintosh Probe
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

1.0 INTRODUCTION

1.1 Instruction

1.1.1 GeoCon Site Investigations Ltd (GeoCon) have been commissioned by Forshaw Land & Property Group Ltd to undertake a Phase I Preliminary Risk Assessment on Land off Moss Lane West, Manchester.

1.1.2 It is understood that a Phase I Preliminary Risk Assessment is required to establish the potential for contamination at the site, to assist with a planning application for a proposed residential development at the site.

1.2 Scope of Works

Phase I

- To undertake a site walkover.
- To appraise the land use history of the site by the examination of available historical plans.
- To assess the environmental setting of the property with specific reference to geology, 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 Conceptual Site Model (CSM).

1.3 Limitations

1.3.1 The assessment and interpretation of the factual data obtained as part of this phase I preliminary site investigation has been undertaken in accordance with standard consulting practise and with current national and international guidance.

1.3.2 This report presents the observations made during the phase I preliminary site investigation 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.

1.3.3 This report is written in the context of an agreed scope of woks 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. 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.

2.0 SITE LOCATION AND DESCRIPTION

2.1 Site Location

2.1.1 The site is located at land adjacent to Moss Lane West, Manchester at approximate National Grid Reference NGR: 383180:395870 (centre of the site).

2.1.2 A site location plan is presented as Drawing No. GSI0397/01 in Appendix A.

2.2 Site Description

2.2.1 The site is an irregular shaped piece of land with an approximate area of 1.07Ha.

Eastern Half (Former Brewery)

2.2.2 The eastern half of the site is currently occupied by a derelict former brewery comprising a multi storey brick built warehouse with basement level. The building is horseshoe shaped with the main body of the building at the southern end of the site, the centre of the site is the entrance and has a cobbled road (most likely used for loading / unloading and deliveries at the site).

2.2.3 There is an above ground storage tank located along the eastern edge of the site.

2.2.4 Inside the building there are several storage tanks / cylinders located within the ground floor level. From anecdotal information given to GeoCon on site, some of these tanks / cylinders contain (or did contain) caustic soda used for cleaning out the pipe runs used in the brewery.

Western Half (Former Depot)

2.2.5 The western half of the site is effectively open land that appears to have been used for storage associated with the adjacent brewery. There are some above ground cylinders on the site and areas of waste mainly associated with the adjacent brewery such as empty beer barrels. This part of the site is covered with hardcore at the surface.

2.2.6 The topography of the site is generally flat.

2.2.7 The site is bound by Moss Lane West to the north, government offices to the west, and residential properties to the east, and south.

2.2.8 Access to the site is via Moss Lane West from the north.

2.3 Site Usage

2.3.1 The site appears to have been undeveloped since the earliest available historical maps until CIRCA 1893 when the site is shown to be occupied by the Queens Brewery. This brewery has then undergone a name change and some redevelopment and expansion over the course of time but has remained as a brewery until 2014 and the site remains unchanged to present day although is currently derelict / disused.

2.4 Future Site Usage

2.4.1 It is currently proposed to redevelop the site with residential properties comprising a mixture of apartments and conventional housing, with associated private gardens, driveways and access road.

2.5 Surrounding Area

2.5.1 The current surrounding land use to the site is generally residential in all directions.

2.5.2 The topography of the surrounding area is generally flat.

2.6 Statutory Services

2.6.1 GeoCon have not been provided with buried service location plans at this stage.

2.7 Site Reconnaissance

2.7.1 A site walkover was carried out on Friday 9th January 2015. All details from the site walkover are included in the site description above. There are no further relevant details above those which are already given in this report.

2.7.2 There are no further relevant details above those which are already given in this report.

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

Recent Aerial Photograph:

3.2.1 Recent aerial photography shows the western half of the site (formerly depot) is being used as storage (most likely for the adjacent brewery covered by) with two small single storey buildings in the northwest and northeast of the site.

3.2.2 The surrounding area is generally residential properties in all directions.

Table 3.1: Site History

Feature	Use / Feature Type	Date first observed	Date no longer shown	Direction from site	Distance (m) from site	Area (m2)	General notes
Pond	Pond	1848	1893	E	254	349	NA
Pond	Pond	1848	1893	SE	237	514	NA
Pond	Pond	1848	1893	E	244	441	NA
Road	Road	1893	1992	W	On Site	0	NA
Terraced Housing	Terraced Housing	1893	1972	E	On Site	3954	NA
Queens Brewery	Brewery	1893	Still Present	E	On Site	3339	1949: Brewery is now labelled as W.M Brewery and has an associated chimney in the SW corner. 1908: Brewery has been extended / redeveloped.
Road	Road	1893	Still Present	E	On site	0	NA
Road	Road	1893	1992	W	On site	0	NA
Terraced Housing	Housing	1893	1972	W	On site	3069	1972: Area is now derelict.
Chimney	Chimney	1949	1972	S	On Site	0	Associated with the brewery.
Electric substation	Electric Substation	1972	Still Present	W	50	95	NA
Government Offices	Offices	1972	Still Present	W	2	694	NA
Depot	Depot	1995	Still Present	W	On Site	4971	NA

Site and surrounding area in general	1848: Site is undeveloped. Surrounding area is generally undeveloped with occasional properties, and road network. 1893: Surrounding area is now fully developed, generally with residential properties. 1972: Entire area has been redeveloped with residential properties - all former terraced housing is no longer shown.

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
British Geological Survey (BGS)	The BGS Geological Map Sheet 85 Manchester separate solid & drift editions; BGS Open Geoscience online geological mapping tool
Ordnance Survey	OS Open Data online mapping tool
Coal Authority	Online Gazetteer of England and Wales; Coal Mining Report; Interactive Online Viewer
Environment Agency (EA) Online	Water Quality Data and Aquifer designation
The Environment Agency (EA) Policy and Practice for the Protection of Groundwater	Groundwater Vulnerability 1:100,000 Map series, Sheet 17 Derbyshire & north Staffordshire

4.1.2 All relevant parts of the third party responses are presented within the Appendices where available.

4.2 Geology

4.2.1 The British Geological Survey (BGS) Open Geoscience shows the site to be underlain by the geological succession outlined below in Table 4.2: Geology.

Table 4.2: Geology

Geology	Description /strata
Artificial	None Recorded
Superficial	Glaciofluvial Sheet Deposits
Bedrock	Wilmslow Sandstone Formation (Part of the Sherwood Sandstone Group)

4.2.2 There are no artificial deposits indicated underlying the site.

4.2.3 The superficial deposits indicated underlying the site are Glaciofluvial Deposits. No BGS description is available; however, these deposits generally comprise varying portions of sand and gravel.

4.2.4 The bedrock geology beneath the site is shown to be the Wilmslow Sandstone Formation which is generally described as *'sandstone, fine- to medium-grained, red-brown to brick red, generally pebble-free, cross stratified, with sporadic siltstones'* (BGS general description).

4.3 Hydrogeology

Superficial Deposits

4.3.1 The Environmental Agency aquifer classification scheme indicates that the superficial aquifer designation for the site is classed as a Secondary A aquifer *'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers'* (EA general description).

Bedrock

4.3.2 The Environmental Agency aquifer classification scheme indicates that the bedrock aquifer designation for the site is classed as Principle Aquifer which are generally described as 't*hese are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer'* (EA general description).

General

4.3.3 There are three licensed groundwater abstraction points located on the site, for breweries / wine process water.

4.3.4 There are a further ten licensed water abstractions within 1000m of the site. The nearest to the site is located approximately 630m to the east (two entries) breweries / wine process water. Remaining entries include breweries / wine process water, a heat pump and schools & colleges.

4.3.5 There are a further eleven licensed groundwater abstraction points between 1000 and 2000m of the site for cooling, schools & colleges general use, schools & colleges general use – heat pump, general cooling, and metals process water.

4.3.6 There are no known public drinking water abstraction within 2000m of the site.

4.3.7 It is possible that there may be private unlicensed water abstractions that exist locally in the area.

4.3.8 There are four Source Protection Zone (SPZ) – Zone III Total Catchment, and there is one further SPZ within 2000m of the site. Details are as follows:

- Zone III – total catchment; located approximately 314m to the east;
- Zone II - outer protection zone; located approximately 362m to the east;
- Zone I - inner protection zone; located approximately 505m to the east;
- Groundwater source, located approximately 615m to the east;

4.4 Hydrology

4.4.1 There are no surface water courses within 500m of the site.

4.4.2 Envirocheck indicates that the site is not located within an area at risk of flooding or within 500m of an area at risk of flooding.

4.4.3 There is no EA General Quality Assessment (GQA) data available within relevant distance to the site.

4.4.4 There are no licensed surface water abstraction points within 1000m of the site.

4.4.5 There are no discharge consents within 250m of the site.

4.4.6 There are no pollution incidents to controlled waters within 250m of the site.

4.5 Radon

4.5.1 The Building Research Establishment report "Radon: Guidance on Protective Measures for New Dwellings" 1999, BR211, indicates that the site is not located in an area that may be affected by radon and that further geological assessment is not required.

4.6 Landfills and Waste

4.6.1 Information obtained from the Landmark Information Group indicates that there is one historical land fill site, one registered landfill site, and one registered waste transfer site within 500m of the site. Details are as follows:

Historical Landfill Site:

- Demolition Services Limited; Located approximately 242m to the northeast; accepting inert and industrial waste; no further detail shave been given.

Registered Landfill Site:

- Demolition Services Ltd; located approximately 317m to the northeast; accepting rubble, hardcore, stone, brick, and concrete; no further detail shave been given.

4.6.2 The above tow landfill sites are considered to be the same site.

Registered Waste Transfer Site:

- Partco Auotparts Ltd; located approximately 323m to the southwest; for the transfer of solvent / thinner / mixture; no further detail shave been given.

4.6.3 There are areas where the potential for infilling is possible which include three former ponds located approximately 237m to the southeast, 244m to the east and 257m to the east of the site that are shown on the early historical maps and no longer shown on more recent maps, indicating that they have been infilled with unknown materials.

4.7 Mining, Subsidence and Foundations

4.7.1 There are no BGS recorded mineral sites within 500m of the site boundary.

4.7.2 The Coal Authority online 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.

4.7.3 The Coal Authority online indicates that the site not located within a brine extraction area.

4.7.4 Landmark indicates that the risk from non-coal mining is negligible.

4.7.5 Landmark indicates that there are potential geological hazards that may be present on the site. These are outlined below in Table 4.3: Potential Geological Hazards.

Table 4.3: Potential Geological Hazards

Potential Geological Hazard	Risk Rating
Compressible Ground	No hazard
Collapsible Ground	Very low risk
Ground Dissolution	No hazard
Running Sands	Very low risk
Shrinking Or Swelling Clay	No hazard
Landslides	Very low risk

4.8 Fuel Storage

4.8.1 Landmark indicates that there is one fuel station entries within 500m of the site, located approximately 357m to the southwest and is now obsolete.

4.9 Potentially Contaminative Uses

4.9.1 There are three contemporary trade directories within 250m of the site. The closest to the site is located approximately 113m to the west for garage services. Remaining entries are for domestic cleaning services.

4.10 Hazardous Substances

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

4.11 Environmentally Sensitive Issues

4.11.1 There are no environmentally sensitive sites within 500m of the site.

5.0 PRELIMINARY GEOTECHNICAL ASSESSMENT

5.1 General

5.1.1 Based upon the information reviewed, the underlying shallow geology is likely to consist of glaciofluvial till overlying Wilmslow Sandstone Formation which generally comprise sand and gravelly, and sandstone respectively.

5.1.2 Made Ground may also be present on site.

5.1.3 Table 5.1 'Geotechnical Considerations and Geotechnical Risks' below presents a summary of geotechnical considerations and risks both observed during the site walkover and some generic risks.

Table 5.1: Geotechnical Considerations and Geotechnical Risks

Existing or Potential Features of Concern	Geotechnical Consideration	Geotechnical Risk to Proposed Development
Made Ground	Any potential made ground beneath the site.	Made ground can cause total and differential settlement of any new structures.
Trees and vegetation	Large mature trees adjacent to the northern, eastern, and western site boundaries.	Tree roots have the potential to cause clay soils to shrink causing settlement of new structures.
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.
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.
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.
Aggressive ground	Chemical content of the soils beneath the site.	Chemically aggressive ground may have the potential to attack buried concrete.
Soft / loose / weak soils and / or rock beneath the site	Unsuitable founding strata beneath the site	Soft and lose soils or weak rock may be in adequate to found on. A suitable foundation option should be selected based on the actual ground conditions beneath the site.
Embankments	Unstable slopes and embankments	Collapse onto or into any new developments
Shallow mine workings beneath the site	Any coal seams present beneath the site may have been worked in the past	Worked mine seams leave voids underground that have the potential to settle when new loads are placed above them.

5.2 Discussion

Structures

5.2.1 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.

5.2.2 The site could be affected by shallow coal mining.

5.2.3 The site is not considered to be affected by brine extraction.

5.2.4 Table 5.2: Refined Geotechnical Risk Model, overleaf shows the refined geotechnical risk model for the site.

Table 5.2: Refined Geotechnical Risk Model

Potential Risk	Potential Receptor	Potential Pathway	Likelihood	Severity	Risk Linkage	Risk Classification	Action / Mitigation
Sulphate and pH	Buried concrete	Buried structures being placed adjacent to made ground containing high sulphates and low pH's	Likely	Low	Potentially Active	Medium	BRE SD I suite to assess the risks to buried concrete.
Ground Dissolution	Buildings, Structures and foundations	Settlement and cracking	Negligible	High	Inactive	Negligible	No further action at this stage.
Settlement due to shallow mine workings beneath the site	Buildings, Structures and foundations	Settlement and cracking	Negligible	High	Inactive	Negligible	No further action at this stage.
Settlement due to shrinkage / swelling clays	Buildings, Structures and foundations	Settlement and cracking	Unlikely	High	Potentially Active	Very low	No further action at this stage, however if clay is encountered at shallow depths, then moisture content and atterberg analysis should be carried out to establish the potential shrinkage / swelling properties of the clay / silt beneath the site. Foundations may need to be deepened in accordance with NHBC Chapter 4.0 building near trees).
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.	Likely	High	Potentially Active	Low to medium	Existing structures and foundations to be grubbed-up and replaced with a suitably compacted engineered fill material.

Embankments	Buildings, Structures, site users	Collapse of embankments into new buildings and / or site users	Negligible	High	Inactive	Negligible	No further action at this stage.
Hydrocarbons and phenols	Buried services	Buried services being placed adjacent to materials containing high levels of hydrocarbons and phenols	Possible	High	Potentially Active	Very low	Chemical analysis as part of site investigation.

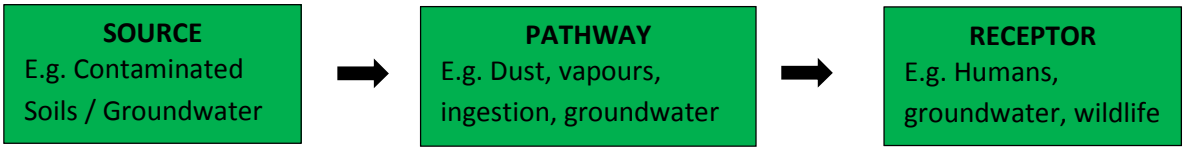
6.0 PRELIMINARY RISK ASSESSMENT

6.1 Introduction

6.1.1 In statutory guidance regarding potentially contaminated land, risk assessments are used as 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.

6.2 Risk Assessment Methodology

6.2.1 The purpose of a Phase I Preliminary Risk Assessment (Desk Study) is to obtain information regarding the site or property to gain a preliminary understanding of potential environmental issues. This information includes existing and proposed use, site history, and environmental setting. The information obtained is used to develop a Conceptual Site Model (CSM), which describes potential hazards (sources), pathways, and receptors, which may be relevant to a property or site. The following definitions have been adapted from Part IIA of the Contaminated Land Regulations 2000:



6.2.2 **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.

6.2.3 **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.

6.2.4 **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.

6.2.5 Some of the above such as groundwater, surface water, flora, and fauna can be considered as both pathways and receptors.

6.2.6 A risk may be considered significant if all three of the above stages are present and thereby forming a pollutant linkage.

6.3 Outline Conceptual Site Model (CSM)

6.3.1 The potential risks based on the collated information gathered as part of this Phase I Preliminary Risk Assessment are discussed below.

Potential Sources:

6.3.2 The following potential sources of contamination have been identified:-

- Reworked / made ground beneath the site associated with construction and demolition on site and of the surrounding residential area.
- Potential for contamination to have occurred at the site as a result of historical and contemporary industrial processes at the site.

- Potential for mobile hydrocarbon contamination at the site associated with historical and contemporary industrial uses / processes within influencing distance.
- Potential for hazardous ground gasses associated with areas of potential made ground within influencing distance to the site.
- Potential for PCB's from nearby electrical substations.

Potential Pathways

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

- Ingestion and inhalation of site generated dust.
- Ingestion of vegetables produced on site.
- Dermal contact with contaminated materials.
- Inhalation, suffocation, and potential of explosion from hazardous ground gasses from off-site sources.
- Leaching of contaminants present in any made ground beneath the site into underlying soils, nearby surface waters and groundwater beneath the site.

Potential Receptors

6.3.4 The following potential receptors have been identified:

- Site end users and construction workers could be at risk from exposure to contaminated soils/materials at the site via ingestion, direct contact, and inhalation of contaminated dust/vapours. Members of the public off site could also be at risk from inhalation of contaminated dust.
- End users of the site could be at risk from hazardous concentrations of ground gases via inhalation.
- Secondary A and principle aquifers beneath the site could be at risk from potential leachable contaminants at the site.
- Nearby surface water courses could be at risk from potential leachable contaminants at the site.
- Other ecosystems could also be at risk from potential contamination at the site.
- Any effluent 'aggressive' groundwater leaching contaminating substances from the made ground across the site has the potential to attack below ground structures and services.

6.3.5 Table 6.1 Preliminary Conceptual Site Model, overleaf shows the preliminary conceptual site model and potential pollutant linkages for the site.

Table 6.1: Preliminary Conceptual Site Model (CSM)

Source of Contamination	Pathway	Receptor
Metals and metalloids (possibly contained within any Made Ground beneath the site)	Ingestion of soil Inhalation of dust Dermal contact Consumption of home grown vegetables	Current and future site users Neighbouring residents Construction workers
	Plant Uptake	Plants within landscaping
	Leaching from contaminated soils into groundwater with vertical and lateral migration	Groundwater within Secondary A and Principle Aquifers Local water courses
Any Organic Contamination (possibly contained within any Made Ground beneath the site or from off-site sources)	Ingestion of soil Inhalation of dust & vapours Dermal contact Consumption of home grown vegetables	Current and future site users Neighbouring residents Construction workers
	Reaction	Below ground service and structures
	Leaching from contaminated soils into groundwater or direct contact with groundwater followed by vertical and lateral migration	Groundwater within Secondary A and Principle Aquifers Local water courses
Off-site contaminated groundwater migrating beneath this site from nearby sites	Inhalation of vapours Dermal contact	Current and future site users Construction workers
	Reaction	Below ground services
Hazardous ground gases (from any Made Ground present on site, local infilling, mine shafts, gases migrating up from Coal Seams beneath the site through minor faults/joints/fissures and through the drift, degradation of any organic contamination/matter (e.g. within Relict Topsoil horizons beneath the site)	Migration into buildings followed by build-up in poorly ventilated confined areas and inhalation Asphyxiation Explosion	Current and future site users Neighbouring residents Construction workers
Low pH, high sulphate in Made Ground	Reaction	Below ground concrete, foundations and services
Shallow Coal Mining	Slow/sudden collapse of workings causing surface settlement	Structures and services
Inadequately designed foundations on poor ground	Settlement	Structures and services

6.4 Discussion

Human Health

6.4.1 Current and future end users of the site are likely to be at low to medium risk of being affected by the soils and groundwater beneath this site.

6.4.2 From the information available, the site itself has had some historical use as a brewery in the eastern half of the site, and terraced housing before becoming a depot then storage yard in the western half of the site. There were also two form roads running north to south across the site between the terraced housing and the brewery. Therefore there is a small potential for made ground to be present at the site associated with the past construction and demolition at the site and the surrounding residential neighbourhood.

6.4.3 The potential for contamination to have migrated on to the site from the historical and contemporary site uses within influencing distance of the site is considered to be low. Historical and contemporary site uses within the surrounding area include: - the brewery and associated chimney on site, and garage services approximately 113m to the west.

6.4.4 The underlying geology of the site and surrounding area is indicated to be the glaciofluvial deposits overlying Wilmslow Sandstone Formation, which both have high permeability.

6.4.5 Therefore, based on the above the likelihood of a potential pollutant linkage is considered to be possible, and the risks to future end users are considered to be low to medium.

6.4.6 Risks to neighbouring residents and construction workers posed by the soils and groundwater beneath this site are likely to be very low to negligible.

6.4.7 There is one known electric substations within 250m of the site, located approximately 50m to the west of the site. Therefore the risks from PCB's are considered to be low but possible.

Ground Gasses

6.4.8 Information obtained from the Landmark Information Group indicates that there is one historical land fill site, one registered landfill site, and one registered waste transfer site within 500m of the site. Based on the distance from the site these would normally not be considered to pose a risk, however given the highly permeable nature of the underlying soils, a pollutant linkage is potentially present, therefore the risk to end users and building at the site is considered to be low but possible.

6.4.9 There are areas where the potential for infilling is possible which include three former ponds located approximately 237m to the southeast, 244m to the east and 257m to the east of the site that are shown on the early historical maps and no longer shown on more recent maps, indicating that they have been infilled with unknown materials. Therefore based on the size of the feature and date since the feature was potentially infilled (no longer shown) the risks of hazardous ground gasses affecting the site from these sources are considered to be very low to negligible.

6.4.10 Risks to neighbouring residents and construction workers from the site are considered to be very low to negligible.

6.4.11 The site is not located in an area that may be affected by radon and further geological assessment is not required.

Plants and Native Grasses

6.4.12 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.

Surface Water

6.4.13 There are no surface water courses within 500m of the site.

6.4.14 Therefore based on the above the risks to surface waters are considered to be very low to negligible at this stage.

6.4.15 Envirocheck indicates that the site is not located within an area at risk of flooding or within 500m of an area at risk of flooding.

Groundwater

6.4.16 The Environmental Agency aquifer classification scheme indicates that the superficial aquifer designation for the site is classed as a Secondary A aquifer and the bedrock is classed as Principle Aquifer.

6.4.17 There are three licensed groundwater abstraction points located on the site, for breweries / wine process water. These are considered to be associated with the former brewery on site and are therefore no longer applicable.

6.4.18 There are a further ten licensed water abstractions within 1000m of the site. The nearest to the site is located approximately 630m to the east (two entries) breweries / wine process water. Remaining entries include breweries / wine process water, a heat pump and schools & colleges. There are a further eleven licensed groundwater abstraction points between 1000 and 2000m of the site for cooling, schools & colleges general use, schools & colleges general use – heat pump, general cooling, and metals process water. There are no known public drinking water abstraction within 2000m of the site. It is possible that there may be private unlicensed water abstractions that exist locally in the area.

6.4.19 There are four Source Protection Zone (SPZ) – Zone III Total Catchment, and there is one further SPZ within 2000m of the site, which include a Zone III – total catchment; located approximately 314m to the east; a Zone II - outer protection zone; located approximately 362m to the east; a Zone I - inner protection zone; located approximately 505m to the east; and the Groundwater source, located approximately 615m to the east;

6.4.20 Therefore based on the above and the sites potential for contamination, the risks to drinking water and groundwater are considered to be very low to negligible at this stage. However if any significant contamination or thickness of made ground is encountered on the site, this risk will need to be reassessed.

Water Supply/Plastic Pipes

6.4.21 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. The risk of this is considered to be very low to negligible at this stage.

Buried Concrete

6.4.22 Inadequately designed buried concrete would be at risk from potentially elevated sulphates and low pH in the soils and groundwater beneath the site.

Refined Conceptual Model

6.4.23 Table 6.2 overleaf shows the refined conceptual model and potential pollutant linkages for the site.

Table 6.2: Refined Conceptual Site Model (CSM) and Potential Pollutant Linkages

Potential Sources	Potential Receptor	Potential Pathway	Likelihood	Severity	Pollutant Linkage	Risk Classification	Action / Mitigation
Heavy metals, sulphates and inorganics Leachable contamination	Human health animals and plants: Including current site users, future site users, neighbouring residents and constructions workers	Ingestion Inhalation of dust Dermal Contact	Likely	High	Considered inactive	Low to medium	Site investigation and subsequent chemical analysis to establish nature, and extent of potential contamination beneath the site.
	Local water courses and associated Flora and fauna.	Contaminants leaching, into water bodies, downward and lateral migration via permeable strata and features.	Unlikely to negligible	High	Considered inactive	Very low to negligible	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.
	Secondary A and Principle Aquifer (Drinking water)	Contaminants leaching, into water bodies, downward and lateral migration via permeable strata and features	Unlikely to negligible	High	Considered inactive	Very low to negligible	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.
Mobile and organic contamination (off site and on site sources)	Human health animals and plants: Including current site users, future site users, neighbouring residents and constructions workers	Ingestion Inhalation of dust Dermal Contact	Possible	High	Considered inactive	Low to medium	Site investigation and subsequent chemical analysis to establish nature, and extent of potential contamination beneath the site.

	Local water courses and associated Flora and fauna.	Contaminants leaching, into water bodies, downward and lateral migration via permeable strata and features.	Unlikely to negligible	High	Considered inactive	Very low to negligible	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.
	Secondary A and Principle Aquifer (Drinking water)	Contaminants leaching, into water bodies, downward and lateral migration via permeable strata and features	Unlikely to negligible	High	Considered inactive	Very low to negligible	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.
PAH's (off site and on site sources)	Human health animals and plants: Including current site users, future site users, neighbouring residents and constructions workers	Ingestion Inhalation of dust Dermal Contact	Possible	High	Considered inactive	Low to medium	Site investigation and subsequent chemical analysis to establish nature, and extent of potential contamination beneath the site.
	Local water courses and associated Flora and fauna.	Contaminants leaching, into water bodies, downward and lateral migration via permeable strata and features.	Unlikely to negligible	High	Considered inactive	Very low to negligible	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.
	Secondary A and Principle Aquifer (Drinking water)	Contaminants leaching, into water bodies, downward and lateral migration via permeable strata and features	Unlikely to negligible	High	Considered inactive	Very low to negligible	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.

PCB's (off site and on site sources)	Human health animals and plants: Including current site users, future site users, neighbouring residents and constructions workers	Ingestion Inhalation of dust Dermal Contact	Possible	High	Considered inactive	Low	Site investigation and subsequent chemical analysis to establish nature, and extent of potential contamination beneath the site.
	Local water courses and associated Flora and fauna.	Contaminants leaching, into water bodies, downward and lateral migration via permeable strata and features.	Unlikely to negligible	High	Considered inactive	Very low to negligible	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.
	Secondary A and Principle Aquifer (Drinking water)	Contaminants leaching, into water bodies, downward and lateral migration via permeable strata and features	Unlikely to negligible	High	Considered inactive	Very low to negligible	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.
Phytotoxic elements	Plants and vegetation	Plant uptake	Likely	High	Considered inactive	Low	Site investigation and subsequent chemical analysis to establish nature, and extent of potential contamination beneath the site.
Hazardous ground gases and vapours (off site and on site sources)	Human health animals and plants: Including current site users, future site users, neighbouring residents and constructions workers	Inhalation	Possible	High	Considered potentially active	Low	Site investigation to install gas monitoring wells with subsequent monitoring in accordance with CIRIA 665 is carried out at the site.

	Buildings	Explosion	Possible	High	Considered potentially active	Low	Site investigation to install gas monitoring wells with subsequent monitoring in accordance with CIRIA 665 is carried out at the site.
Asbestos	Human health animals and plants: Including current site users, future site users, neighbouring residents and constructions workers	Inhalation	Possible	High	Potentially active	Unknown at this stage	Consult specialist asbestos contractor.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

Geoenvironmental

7.1.1 Based on the above preliminary risk assessment, current and future end users of the site are likely to be at low to medium risk of being affected by the soils and groundwater beneath this site. From the information available, the site itself has had some historical use as a brewery in the eastern half of the site, and terraced housing before becoming a depot then storage yard in the western half of the site. There were also two form roads running north to south across the site between the terraced housing and the brewery. Therefore there is a small potential for made ground to be present at the site associated with the past construction and demolition at the site and the surrounding residential neighbourhood. The potential for contamination to have migrated on to the site from the historical and contemporary site uses within influencing distance of the site is considered to be low. Historical and contemporary site uses within the surrounding area include: - the brewery and associated chimney on site, and garage services approximately 113m to the west.

7.1.2 The underlying geology of the site and surrounding area is indicated to be the glaciofluvial deposits overlying Wilmslow Sandstone Formation, which both have high permeability.

7.1.3 Therefore, based on the above the likelihood of a potential pollutant linkage is considered to be possible, and the risks to future end users are considered to be low to medium.

7.1.4 Risks to neighbouring residents and construction workers posed by the soils and groundwater beneath this site are likely to be very low to negligible.

7.1.5 There is one known electric substations within 250m of the site, located approximately 50m to the west of the site. Therefore the risks from PCB's are considered to be low but possible.

7.1.6 It is considered possible that the site would be classed as contaminated land under Part IIA of the Environmental Protection Act (EPA) 1990.

Ground Gasses

7.1.7 Information obtained from the Landmark Information Group indicates that there is one historical land fill site, one registered landfill site, and one registered waste transfer site within 500m of the site. Based on the distance from the site these would normally not be considered to pose a risk, however given the highly permeable nature of the underlying soils, a pollutant linkage is potentially present, therefore the risk to end users and building at the site is considered to be low but possible.

7.1.8 There are areas where the potential for infilling is possible which include three former ponds located approximately 237m to the southeast, 244m to the east and 257m to the east of the site that are shown on the early historical maps and no longer shown on more recent maps, indicating that they have been infilled with unknown materials. Therefore based on the size of the feature and date since the feature was potentially infilled (no longer shown) the risks of hazardous ground gasses affecting the site from these sources are considered to be very low to negligible.

7.1.9 Risks to neighbouring residents and construction workers from the site are considered to be very low to negligible.

7.1.10 The site is not located in an area that may be affected by radon and further geological assessment is not required.

Controlled Waters

7.1.11 There are no surface water courses within 500m of the site.

7.1.12 Therefore based on the above the risks to surface waters are considered to be very low to negligible at this stage.

7.1.13 Envirocheck indicates that the site is not located within an area at risk of flooding or within 500m of an area at risk of flooding.

7.1.14 The Environmental Agency aquifer classification scheme indicates that the superficial aquifer designation for the site is classed as a Secondary A aquifer and the bedrock is classed as Principle Aquifer.

7.1.15 There are three licensed groundwater abstraction points located on the site, for breweries / wine process water. These are considered to be associated with the former brewery on site and are therefore no longer applicable. There are a further ten licensed water abstractions within 1000m of the site. The nearest to the site is located approximately 630m to the east (two entries) breweries / wine process water. Remaining entries include breweries / wine process water, a heat pump and schools & colleges. There are a further eleven licensed groundwater abstraction points between 1000 and 2000m of the site for cooling, schools & colleges general use, schools & colleges general use – heat pump, general cooling, and metals process water. There are no known public drinking water abstraction within 2000m of the site. It is possible that there may be private unlicensed water abstractions that exist locally in the area.

7.1.16 There are four Source Protection Zone (SPZ) – Zone III Total Catchment, and there is one further SPZ within 2000m of the site, which include a Zone III – total catchment; located approximately 314m to the east; a Zone II - outer protection zone; located approximately 362m to the east; a Zone I - inner protection zone; located approximately 505m to the east; and the Groundwater source, located approximately 615m to the east;

7.1.17 Therefore based on the above and the sites potential for contamination, the risks to drinking water and groundwater are considered to be very low to negligible at this stage. However if any significant contamination or thickness of made ground is encountered on the site, this risk will need to be reassessed.

Plants and Native Grasses

7.1.18 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.

7.1.19 All plant growth appeared normal across the site.

Geotechnical

7.1.20 Any proposed structures would be at risk of total and differential settlement without any geotechnical information being made available. 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. Inadequately designed buried concrete would be at risk from potentially elevated sulphates and low pH in the soils and groundwater beneath the site.

7.1.21 The site is not considered to be affected shallow coal mining. Therefore risks from shallow coal mining are considered to be negligible.

7.1.22 The site is not considered to be affected by brine extraction. Therefore risks from brine extraction are considered to be negligible.

7.2 Recommendations

7.2.1 It is therefore recommended that a Phase II Geotechnical Site Investigation is carried out at the site to confirm allowable bearing pressures and provide advice on suitable foundation solutions.

7.2.2 A recommended scope of works for the intrusive site investigation would be as follows:

- Approximately fifteen windowless sample boreholes across the site to a nominal depth of up to 5.00mbgl or refusal to facilitate geoenvironmental sampling, and insitu geotechnical testing, and to facilitate the installation of groundwater monitoring wells.
- Five cable percussion boreholes to a nominal depth of 15.00mbgl or rockhead, insitu geotechnical testing and geotechnical sampling.
- Full supervision of all works by engineering geologist including sampling and detailed geotechnical descriptions to BS5930, EN ISO 14688-1 EN ISO 14688-2 and EN ISO 14689 of all strata types encountered within the exploratory holes.
- The installation of six monitoring wells to a nominal depth of 3.00mbgl with subsequent gas and groundwater monitoring on six occasions over a six month period in accordance with CIRIA 665.
- A suite of chemical testing which should include:

  Soils:

  - Heavy metals and inorganics
  - Speciated PAH
  - TPH CWG
  - PCB's
  - Asbestos screen
- Geotechnical Testing, which should include:

  Soils:

  - BRE SD 1 Reduced Suite for concrete design
  - Atterberg Limits and Moisture Content
  - Triaxial Testing
  - Oedometer Testing
  - Particle Size Distribution tests
- Provision of interpretive report to provide a GQRA for the site and details of allowable bearing pressures for the soils encountered with subsequent foundation recommendations.

7.2.3 It is recommended that the above conclusions and recommendations are agreed in principle with the Local Authority and the Environment Agency to gain their approval prior to commencement of the development to avoid unnecessary complications or delays at a later stage.

8.0 REFERENCES

- *AGS: A clients guides and tool kit*
- *Atkins: AtRisk Soil Screening Values and Water Screening Values*
- *British Geological Survey (BGS): 1:50'000 geological maps of the area*
- *British Geological Survey (BGS): Open geoscience online mapping tool*
- *BS 5930: code of Practise for Site Investigation Amendment 2*
- *BS 10175: Code of Practise for the Investigation of Potentially Contaminated Sites*
- *BRE 211 Radon: Guidance on protective measures for new buildings*
- *CIRIA 552: Contaminated Land Risk Assessment; A Guide to Good Practise 2001*
- *CIRIA 665: Assessing the Risks Posed by Hazardous Ground Gases for Buildings 2007*
- *Coal Authority: Coal authority mining report and Cheshire brine subsidence report*
- *Contaminated Land: Applications in Real Environments (CL:AIRE): 'The Soil Generic Assessment Criteria for Human Health Risk Assessment' GAC's.*
- *David Norbury: Soil and Rock Descriptions in Engineering Practise*
- *Department of the Environment: DOE industry profiles*
- *EN ISO 14688-1: Geotechnical investigation and testing -- Identification and classification of soil -- Part 1: Identification and description*
- *EN ISO 14688-2: Geotechnical investigation and testing -- Identification and classification of soil -- Part 2: Principles for a classification*
- *EN ISO 14689: Geotechnical investigation and testing -- Identification and classification of rock -- Part 1: Identification and description*
- *Environment Agency (EA): EA Online & What's in my back yard*
- *Environment Agency (EA): Soil Guideline Values (SGVs)*
- *Land Quality Management (LQM): Generic Screening Criteria (GACs)*
- *Landmark: Envirocheck report and Envirocheck analysis online historical mapping tool.*
- *Ordnance survey: OS Landranger map for the area; OS open data online mapping tool*
- *Planning Policy 23: Planning and Pollution Control, Office of The Deputy Prime Minister 2004*
- *R&D Publication CLR 8: Assessment of risks to human health from land contamination.*
- *R&D Publication CLR 10: The Contaminated Land Exposure Model (CLEA)*
- *R&D Publication CLR 11: Model Procedure for the Management of Contaminated Land DEFRA 2004*
- *UK Specification for Ground Investigation Second Edition 2012*

APPENDIX A

DRAWINGS



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Stockport,
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Tel: 0844 504 3901, Fax: 0844 504 3902,
Email: info@geoconsiteinvestigations.com
Web: www.geoconsiteinvestigations.com

SITE NAME/CONTRACT	DRAWING NO.	SCALE
Moss Lane West, Manchester	GSI0397/01	N.T.S
TITLE	**DATE**	**DRAWN BY**
Site Location Plan	January 2015	IW

APPENDIX B

ENVIROCHECK REPORT

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
62993067_1_1

Customer Reference:
GSI 0397 IW EC 161214

National Grid Reference:
383180, 395870

Slice:
A

Site Area (Ha):
1.07

Search Buffer (m):
1000

Site Details:

Moss Lane West
MANCHESTER
M15 5PQ

Client Details:

Mr I Walker
Geocon Site Investigations
15 Belmont Drive
Marple Bridge
Stockport
Cheshire
SK6 5EA

Contents

Report Section	Page Number
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Geological	18
Industrial Land Use	25
Sensitive Land Use	-
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Introduction

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

In the attached 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 v49.0

Envirocheck®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				5
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 2				13
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 5			1	5
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6				Yes
Pollution Incidents to Controlled Waters	pg 6				3
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 6				1
River Quality	pg 7				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 7				1
Water Abstractions	pg 7	3			10 (*16)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 14	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Source Protection Zones	pg 14			2	2
Extreme Flooding from Rivers or Sea without Defences	pg 15	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines					n/a
Detailed River Network Offline Drainage					n/a

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 16		1		
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 16			1	
Registered Waste Transfer Sites	pg 17			1	
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 18	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 18	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 21			Yes	Yes
BGS Urban Soil Chemistry Averages	pg 24	Yes			
Brine Compensation Area			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		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 24	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 24	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

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 25		3	28	52
Fuel Station Entries	pg 32			1	3
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Regent Rd/Ordsall Lane, Salford, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01SAL0027 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 13th July 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Irwell **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A12SE (W)	535	3	382600 395700
2	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: The Eagle/William Kent Cres Cso, Hulme, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0365 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 30th March 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Canal Receiving Water: Manchester Ship Canal **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	716	3	383110 396630
3	**Discharge Consents** Operator: Manchester Metropolitan University Property Type: Education Location: Manchester Metropolitan University Birley Fields Campus, Hulme, Manchester, ., M15 6bh Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprub3936ax Permit Version: 1 Effective Date: 14th August 2013 Issued Date: 14th August 2013 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Into Land Receiving Water: Groundwater Via A Borehole **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	860	3	383779 396591
4	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: 3 Wood Rd, Whalley Range, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0311 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Mersey **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	989	3	382350 395200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Hulme Walk/Leaf Street, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0364 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Unknown Receiving Water: Not Supplied **Status:** **Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	995	3	383690 396810
6	**Integrated Pollution Prevention And Control** Name: Heineken Uk Ltd Location: Royal Brewery Manchester, Royal Brewery, Denmark Road,,, MANCHESTER, Greater Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: LP3732VH Original Permit Ref: Bv7796iw Effective Date: 28th August 2014 **Status:** **Effective** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Located by supplier to within 100m Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	665	3	383900 395900
6	**Integrated Pollution Prevention And Control** Name: Ondeo Industrial Solutions Limited Location: Royal Brewery Effluent Treatment Plant, Denmark Road, Moss Side,, Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: ZP3037VD Original Permit Ref: Cp3531gm Effective Date: 23rd June 2014 **Status:** **Effective** Application Type: Variation App. Sub Type: Minor Positional Accuracy: Located by supplier to within 100m Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A14NE (E)	665	3	383900 395900
6	**Integrated Pollution Prevention And Control** Name: Heineken Uk Ltd Location: Royal Brewery Manchester, Royal Brewery, Denmark Road,,, MANCHESTER, Greater Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: QP3438EM Original Permit Ref: Bv7796iw Effective Date: 26th March 2014 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Located by supplier to within 100m Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	665	3	383900 395900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Integrated Pollution Prevention And Control** Name: Heineken Uk Ltd Location: Royal Brewery, Royal Brewery, Denmark Road,,, MANCHESTER, Greater Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: JP3631CT Original Permit Ref: Bv7796iw Effective Date: 6th November 2012 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Located by supplier to within 100m Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	665	3	383900 395900
6	**Integrated Pollution Prevention And Control** Name: Ondeo Industrial Solutions Limited Location: Royal Brewery Effluent Treatment Plant, Denmark Road, Moss Side,, Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: KP3630WM Original Permit Ref: Cp3531gm Effective Date: Not Supplied **Status:** **Valid** Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Located by supplier to within 100m Activity Code: 5.4 A(1) a) (i) Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A14NE (E)	665	3	383900 395900
6	**Integrated Pollution Prevention And Control** Name: Heineken Uk Ltd Location: Royal Brewery Manchester, Royal Brewery, Denmark Road,,, MANCHESTER, Greater Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: KP3830WK Original Permit Ref: Bv7796iw Effective Date: Not Supplied **Status:** **Valid** Application Type: Variation App. Sub Type: Substantial Positional Accuracy: Located by supplier to within 100m Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	665	3	383900 395900
6	**Integrated Pollution Prevention And Control** Name: Ondeo Industrial Solutions Limited Location: Royal Brewery Effluent Treatment Plant, Denmark Road, Moss Side,, Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: HP3836KU Original Permit Ref: Cp3531gm Effective Date: 15th March 2010 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Manually positioned to the address or location Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A14NE (E)	685	3	383920 395923

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Integrated Pollution Prevention And Control** Name: Heineken Uk Ltd Location: Royal Brewery, Royal Brewery, Denmark Road, Manchester, Greater Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: DP3431LK Original Permit Ref: Bv7796iw Effective Date: 27th November 2006 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Manually positioned to the address or location Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	685	3	383920 395922
6	**Integrated Pollution Prevention And Control** Name: Ondeo Industrial Solutions Limited Location: Royal Brewery Effluent Treatment Plant, Denmark Road, Moss Side,, Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: CP3531GM Original Permit Ref: Cp3531gm Effective Date: 1st April 2009 **Status:** **Superseded By Variation** Application Type: Transfer App. Sub Type: Whole with Fit and Proper Person Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N	A14NE (E)	686	3	383920 395923
6	**Integrated Pollution Prevention And Control** Name: Heineken Uk Ltd Location: Royal Brewery, 201, Denmark Road, Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: SP3736UP Original Permit Ref: Bv7796iw Effective Date: 1st August 2008 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Standard Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	686	3	383920 395923
6	**Integrated Pollution Prevention And Control** Name: Heineken Uk Ltd Location: Royal Brewery, 201, Denmark Road, Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: UP3131UM Original Permit Ref: Bv7796iw Effective Date: 22nd February 2008 **Status:** **Superseded By Variation** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	686	3	383920 395923

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Integrated Pollution Prevention And Control** Name: Vws (Uk) Ltd Location: Royal Brewery Effluent Treatment Plant, Denmark Road, Moss Side,, Manchester, M15 6LD Authority: Environment Agency, North West Region Permit Reference: Ep3637pu Original Permit Ref: Ep3637pu Effective Date: 13th January 2006 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 0.0 Associated Process Activity Description: Associated Process Primary Activity: N Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	686	3	383920 395923
6	**Integrated Pollution Prevention And Control** Name: Heineken Uk Ltd Location: Royal Brewery, ROYAL BREWERY, DENMARK ROAD, MANCHESTER, Lancashire, M15 6LD Authority: Environment Agency, North West Region Permit Reference: Bv7796iw Original Permit Ref: Bv7796iw Effective Date: 22nd December 2005 **Status: Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (D) (II) Activity Description: Animal, Vegetable & Food; Treating Etc. Vegetable Raw Materials For Food Greater Than 300T/Day Primary Activity: Y	A14NE (E)	686	3	383920 395923
7	**Local Authority Pollution Prevention and Controls** Name: Save Service Station Location: 44 Upper Chorlton Road, Firswood, Stretford, MANCHESTER, M16 7RW Authority: Trafford Metropolitan Borough Council, Environmental Health Department Permit Reference: 133 Dated: 27th August 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revokedRevoked** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	377	4	382776 395669
8	**Local Authority Pollution Prevention and Controls** Name: Asda Hulme Location: 100 Princess Road, Hulme, MANCHESTER, Lancashire, M15 5AQ Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/006/06 Dated: 25th February 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	565	5	383791 396022
9	**Local Authority Pollution Prevention and Controls** Name: Alexandra Service Station Location: 95 Princess Road, Moss Side, MANCHESTER, Lancashire, M14 4TH Authority: Manchester City Council, Environmental Health Department Permit Reference: Pfs/18/98 Dated: 12th March 2001 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revokedRevoked** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	658	5	383845 395575
10	**Local Authority Pollution Prevention and Controls** Name: Range Garage Location: 131 Withington Road, Whalley Range, MANCHESTER, M16 8EE Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/028/06 Dated: 28th December 2001 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A8SW (S)	732	5	383026 395093

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Local Authority Pollution Prevention and Controls** Name: Td Barnes Location: 31a Russell Road, Whalley Range, MANCHESTER, Lancashire, M16 8DL Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/13/05/AW Dated: 14th October 1991 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	932	5	382767 394956
12	**Local Authority Pollution Prevention and Controls** Name: Donald Brown (Brownall) Location: Stretford Road, Old Trafford, MANCHESTER, M16 9AR Authority: Trafford Metropolitan Borough Council, Environmental Health Department Permit Reference: Ip17 Dated: 8th December 1992 Process Type: Local Authority Air Pollution Control Description: PG2/1Furnaces for the extraction of non-ferrous metal from scrap **Status:** **Authorisation revokedRevoked** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	999	4	382281 396434
	Nearest Surface Water Feature	A18SE (N)	506	-	383367 396414
13	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Found Incident Date: 26th January 1994 Incident Reference: 94640185 Catchment Area: Manchester Ship Canal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	579	3	383800 395700
14	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Cheshire Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Tributary Arclid Brook; Sewage Incident Date: 2nd November 1996 Incident Reference: 96522276 Catchment Area: Wheelock Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	951	3	382400 395200
15	**Pollution Incidents to Controlled Waters** Property Type: Pollution Found Source Not Determined Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Corn Brook; Petrol Incident Date: 3rd July 1996 Incident Reference: 96651496 Catchment Area: Manchester Ship Canal Receiving Water: Not Given Cause of Incident: Accidental Spillage/Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	965	3	382300 396400
16	**Registered Radioactive Substances** Name: Bupa Hospitals Ltd Location: Manchester Hospital, Russell Road, MANCHESTER, Greater Manchester, M16 8AJ Authority: Environment Agency, North West Region Permit Reference: AB9585 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status:** **Authorisation either revoked or cancelledCancelled** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	795	3	382623 395200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Corn Bk GQA Grade: River Quality C Reach: Qsl At Openshaw To Msc Estimated Distance (km): 5.6 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A18NW (N)	881	3	383139 396804
17	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 19th March 2006 Incident Reference: 384660 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Petrol	A8SW (S)	717	3	383016 395109
18	**Water Abstractions** Operator: Hydes Brewery Ltd Licence Number: 2569007009 Permit Version: 102 Location: Borehole At Premises, Moss Lane West Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: 46 Moss Lane West, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (E)	0	3	383220 395850
18	**Water Abstractions** Operator: Hydes Brewery Ltd Licence Number: 2569007009 Permit Version: 101 Location: Borehole At Premises, Moss Lane West Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 373 Yearly Rate (m3): 66826 Details: 46 Moss Lane West, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th October 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (E)	0	3	383220 395850
18	**Water Abstractions** Operator: Hydes Brewery Ltd Licence Number: 2569007009 Permit Version: 101 Location: Borehole At Premises, Moss Lane West Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: 46 Moss Lane West, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th October 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (E)	0	3	383220 395850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Water Abstractions** Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 103 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	630	3	383865 395909
19	**Water Abstractions** Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 103 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th May 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	630	3	383865 395909
19	**Water Abstractions** Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 102 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NE (E)	665	3	383900 395900
19	**Water Abstractions** Operator: Heineken Uk Ltd Licence Number: 2569007007 Permit Version: 102 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 23rd November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NE (E)	665	3	383900 395900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Water Abstractions** Operator: Scottish And Newcastle Uk Ltd Licence Number: 2569007007 Permit Version: 101 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NE (E)	665	3	383900 395900
19	**Water Abstractions** Operator: Scottish And Newcastle Uk Ltd Licence Number: 2569007007 Permit Version: 101 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NE (E)	665	3	383900 395900
19	**Water Abstractions** Operator: Scottish Courage Brewing Ltd Licence Number: 2569007007 Permit Version: 100 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 900 Yearly Rate (m3): 227000 Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NE (E)	665	3	383900 395900
19	**Water Abstractions** Operator: Scottish Courage Brewing Ltd Licence Number: 2569007007 Permit Version: 100 Location: Borehole At Premises Moss Side Manchester Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Moss Side, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st December 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A14NE (E)	665	3	383900 395900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Water Abstractions** Operator: Manchester Metropolitan University Licence Number: Nw/069/0004/003 Permit Version: 1 Location: Borehole At Manchester Metropolitan University Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 20th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	951	3	383715 396746
20	**Water Abstractions** Operator: Manchester Metropolitan University Licence Number: Nw/069/0004/003 Permit Version: 1 Location: Borehole At Manchester Metropolitan University Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 20th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	951	3	383715 396746
	Water Abstractions Operator: Dunlop Rubber Co Limited Licence Number: 2569007027 Permit Version: Not Supplied Location: Borehole, Cambridge Street, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1811 Yearly Rate (m3): 154564 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	A24SE (NE)	1487	3	384000 397200
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 2 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SE (NE)	1501	3	384180 397091

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 2 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 4th April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SE (NE)	1501	3	384180 397091
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 1 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SE (NE)	1501	3	384180 397091
	Water Abstractions Operator: Manchester Metropolitan University Licence Number: Nw/069/0006/003 Permit Version: 1 Location: Borehole 1 At Lower Chatham Street Authority: Environment Agency, North West Region Abstraction: Schools and Colleges: Heat Pump Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SE (NE)	1501	3	384180 397091
	Water Abstractions Operator: Cds Computer Design Systems Ltd Licence Number: 2569007053 Permit Version: 100 Location: R Irwell At Irwell Works, Ordsall Lane, Salford Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 455 Yearly Rate (m3): 22730 Details: Irwell Works, Ordsall Lane, Salford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st November 1987 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NW (NW)	1628	3	382500 397400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Colgate Palmolive Ltd Licence Number: 2569007002 Permit Version: 100 Location: Borehole At 371 Ordsall Lane, Manchester 5 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1637 Yearly Rate (m3): 409140 Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th December 1985 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1716	3	381605 396695
	Water Abstractions Operator: Cerep Iii Investment R Sarl Licence Number: 2569007001 Permit Version: 102 Location: Manchester Ship Canal At Premises Ordsall Lane Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1722	3	381600 396700
	Water Abstractions Operator: Cerep Iii Investment R Sarl Licence Number: 2569007002 Permit Version: 102 Location: Borehole At 371 Ordsall Lane, Manchester 5 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th October 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1722	3	381600 396700
	Water Abstractions Operator: Colgate-Palmolive Manufacturing (Uk) Ltd Licence Number: 2569007001 Permit Version: 101 Location: Manchester Ship Canal At Premises Ordsall Lane Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 4910 Yearly Rate (m3): 1363800 Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1722	3	381600 396700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Colgate-Palmolive Manufacturing (Uk) Ltd Licence Number: 2569007002 Permit Version: 101 Location: Borehole At 371 Ordsall Lane, Manchester 5 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st December 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1722	3	381600 396700
	Water Abstractions Operator: Colgate Palmolive Ltd Licence Number: 2569007001 Permit Version: 100 Location: Manchester Ship Canal At Premises Ordsall Lane Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 4910 Yearly Rate (m3): 1363800 Details: Premises At 371 Ordsall Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th April 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1722	3	381600 396700
	Water Abstractions Operator: Trafford Metal Finishers Manchester Ltd Licence Number: 2569007080 Permit Version: 103 Location: Borehole At Warwick Road South Authority: Environment Agency, North West Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Warwick Road South, Old Trafford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th May 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1899	3	381290 395320
	Water Abstractions Operator: Trafford Metal Finishers Manchester Ltd Licence Number: 2569007080 Permit Version: 101 Location: Borehole At Warwick Road South Authority: Environment Agency, North West Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Warwick Road South, Old Trafford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th October 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1899	3	381290 395320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Trafford Metal Finishers Ltd Licence Number: 2569007080 Permit Version: 100 Location: Borehole At Warwick Road South Authority: Environment Agency, North West Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 432 Yearly Rate (m3): 75000 Details: Land At Warwick Road South, Old Trafford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th February 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1899	3	381290 395320
	Water Abstractions Operator: North Western Electricity Board Licence Number: 2569006023 Permit Version: Not Supplied Location: Rochdale Canal, Dickinson Street, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 82 Yearly Rate (m3): 25230 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	(NE)	1974	3	384100 397700
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 17 Derbyshire & North Staffordshire Scale: 1:100,000	A13SE (S)	0	3	383183 395865
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (S)	0	2	383183 395865
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (S)	0	2	383183 395865
21	**Source Protection Zones** Name: Moss Side Source: Environment Agency, Head Office Reference: Nw097 Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A14NW (E)	314	3	383551 395886
22	**Source Protection Zones** Name: Moss Side Source: Environment Agency, Head Office Reference: Nw097 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A14NW (E)	362	3	383597 395887
23	**Source Protection Zones** Name: Moss Side Source: Environment Agency, Head Office Reference: Nw097 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A14NW (E)	505	3	383740 395889
24	**Source Protection Zones** Name: Moss Side Source: Environment Agency, Head Office Reference: Nw097 Type: Groundwater Source	A14NW (E)	615	3	383850 395900

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	A13SE (S)	0	3	383183 395865
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
	Detailed River Network Lines None				
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Historical Landfill Sites** Licence Holder: Demolition Service Limited Location: Hulme, Manchester Name: Moss Side Shopping Centre Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16588 First Input Date: 31st May 1994 Last Input Date: 5th June 1995 Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9100 BGS Ref: Not Supplied Other Ref: F061 ,0103, RD/LIC/1036/93	A13NE (NE)	242	3	383465 395998
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	8	383183 395865
	Local Authority Landfill Coverage Name: Trafford Metropolitan Borough Council - Has not been able to supply Landfill data		7	4	383169 395917
26	**Registered Landfill Sites** Licence Holder: Demolition Services Ltd Licence Reference: 01036 Site Location: Moss Side District Shopping Centre, Moss Side, Manchester, Greater Manchester Licence Easting: 383500 Licence Northing: 396100 Operator Location: Croft House, Whitehall Road, Drighlington, Bradford, West Yorkshire Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source Restrictions: Some restriction on source of waste Status: Licence has completion certificateSurrendered Dated: 1st April 1994 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Accuracy: Not Applicable Authorised Waste: Max.Waste Permitted By Licence Rubble,Hardcore,Stone,Brickwk,Concrete Prohibited Waste: Asbestos Liquid Wastes Sludge Wastes Special Wastes Waste In Drums Waste In Skips Waste N.O.S Whether/Not Pack./Pre-Trt	A13NE (NE)	317	3	383500 396100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Registered Waste Transfer Sites** Licence Holder: Partco Autoparts Ltd Licence Reference: 00724/91 Site Location: 57 Upper Chorlton Road, Brookes Bar, MANCHESTER, Greater Manchester, M16 7RO Operator Location: As Site Address Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st February 1993 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Storage In Licence Solvent/Thinner/Mixture Prohibited Waste: Asbestos Explosive Waste Gmwda Group 1 - Non/V.Slow Decomp.Wast Gmwda Group 2 - Slow Decomp./Slight So Gmwda Group 3 - Decomp./Soluble Waste In Pressurised Cont'Rs Waste N.O.S. - Pretreated Or Not Waste Violently Reactive With Water	A12SE (SW)	323	3	382840 395660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian and Triassic sandstones, undifferentiated,including Bunter and Keuper	A13SE (S)	0	2	383183 395865
	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: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	0	6	383183 395865
	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: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (N)	75	6	383183 396000
	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: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (W)	122	6	383000 395865
	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: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NW (NW)	161	6	383000 396000
	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: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (NE)	308	6	383499 396086
	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: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14NW (E)	337	6	383563 396000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12SE (SW)	349	6	382805 395671
	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: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12NE (W)	484	6	382650 396000
	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: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NW (S)	532	6	383000 395301
	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: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A18SE (NE)	622	6	383482 396496
	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: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14SE (E)	765	6	384000 395865
	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: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A14NE (E)	769	6	384000 396000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SE (S)	816	6	383183 395000
	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: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SW (S)	817	6	383174 395000
	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: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SW (S)	827	6	383000 395000
	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: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8SE (S)	852	6	383479 395000
	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: 150 - 300 mg/kg Nickel Concentration: 30 - 45 mg/kg	A17SW (W)	928	6	382256 396227
	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: 300 - 600 mg/kg Nickel Concentration: 30 - 45 mg/kg	A19NE (NE)	997	6	384000 396565

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383180, 395500 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 21.00 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 74.00 mg/kg Lead Measured Concentration: 231.00 mg/kg Nickel Measured Concentration: 27.00 mg/kg	A8NE (S)	317	2	383180 395500
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383250, 396270 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 16.00 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 63.00 mg/kg Lead Measured Concentration: 320.00 mg/kg Nickel Measured Concentration: 24.00 mg/kg	A18SE (N)	345	2	383250 396270
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382680, 395590 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 23.00 mg/kg Cadmium Measured Concentration: 0.90 mg/kg Chromium Measured Concentration: 66.00 mg/kg Lead Measured Concentration: 272.00 mg/kg Nickel Measured Concentration: 30.00 mg/kg	A12SE (SW)	498	2	382680 395590
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382740, 396280 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 33.00 mg/kg Cadmium Measured Concentration: 0.80 mg/kg Chromium Measured Concentration: 88.00 mg/kg Lead Measured Concentration: 192.00 mg/kg Nickel Measured Concentration: 31.00 mg/kg	A17SE (NW)	542	2	382740 396280
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383780, 395730 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 20.00 mg/kg Cadmium Measured Concentration: 1.10 mg/kg Chromium Measured Concentration: 74.00 mg/kg Lead Measured Concentration: 175.00 mg/kg Nickel Measured Concentration: 29.00 mg/kg	A14SW (E)	554	2	383780 395730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383660, 396290 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 26.00 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 76.00 mg/kg Lead Measured Concentration: 273.00 mg/kg Nickel Measured Concentration: 32.00 mg/kg	A19SW (NE)	560	2	383660 396290
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382780, 395340 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 30.00 mg/kg Cadmium Measured Concentration: 2.10 mg/kg Chromium Measured Concentration: 82.00 mg/kg Lead Measured Concentration: 2687.00 mg/kg Nickel Measured Concentration: 35.00 mg/kg	A7NE (SW)	588	2	382780 395340
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383260, 395210 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 17.00 mg/kg Cadmium Measured Concentration: 1.30 mg/kg Chromium Measured Concentration: 104.00 mg/kg Lead Measured Concentration: 346.00 mg/kg Nickel Measured Concentration: 38.00 mg/kg	A8NE (S)	606	2	383260 395210
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383680, 395190 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 15.00 mg/kg Cadmium Measured Concentration: 0.30 mg/kg Chromium Measured Concentration: 60.00 mg/kg Lead Measured Concentration: 238.00 mg/kg Nickel Measured Concentration: 24.00 mg/kg	A9SW (SE)	769	2	383680 395190
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382270, 395780 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 35.00 mg/kg Cadmium Measured Concentration: 1.50 mg/kg Chromium Measured Concentration: 67.00 mg/kg Lead Measured Concentration: 1424.00 mg/kg Nickel Measured Concentration: 38.00 mg/kg	A12SW (W)	853	2	382270 395780

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382340, 396280 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 27.00 mg/kg Cadmium Measured Concentration: 0.60 mg/kg Chromium Measured Concentration: 70.00 mg/kg Lead Measured Concentration: 271.00 mg/kg Nickel Measured Concentration: 28.00 mg/kg	A17SW (NW)	872	2	382340 396280
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383340, 396800 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 27.00 mg/kg Cadmium Measured Concentration: 1.70 mg/kg Chromium Measured Concentration: 66.00 mg/kg Lead Measured Concentration: 193.00 mg/kg Nickel Measured Concentration: 25.00 mg/kg	A18NE (N)	881	2	383340 396800
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 384140, 395740 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 18.00 mg/kg Cadmium Measured Concentration: 1.00 mg/kg Chromium Measured Concentration: 70.00 mg/kg Lead Measured Concentration: 318.00 mg/kg Nickel Measured Concentration: 28.00 mg/kg	A14SE (E)	910	2	384140 395740
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 383760, 396710 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 15.00 mg/kg Cadmium Measured Concentration: 0.50 mg/kg Chromium Measured Concentration: 39.00 mg/kg Lead Measured Concentration: 111.00 mg/kg Nickel Measured Concentration: 13.00 mg/kg	A19NW (NE)	944	2	383760 396710
	BGS Measured Urban Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Grid: 382310, 395240 Soil Sample Type: Topsoil Sample Area: Manchester Arsenic Measured Concentration: 22.00 mg/kg Cadmium Measured Concentration: 6.10 mg/kg Chromium Measured Concentration: 69.00 mg/kg Lead Measured Concentration: 372.00 mg/kg Nickel Measured Concentration: 28.00 mg/kg	A7NW (SW)	997	2	382310 395240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Urban Soil Chemistry Averages Source: British Geological Survey, National Geoscience Information Service Sample Area: Manchester Count Id: 300 Arsenic Minimum Concentration: 3.00 mg/kg Arsenic Average Concentration: 28.00 mg/kg Arsenic Maximum Concentration: 1008.00 mg/kg Cadmium Minimum Concentration: 0.30 mg/kg Cadmium Average Concentration: 1.40 mg/kg Cadmium Maximum Concentration: 80.30 mg/kg Chromium Minimum Concentration: 29.00 mg/kg Chromium Average Concentration: 92.00 mg/kg Chromium Maximum Concentration: 1252.00 mg/kg Lead Minimum Concentration: 21.00 mg/kg Lead Average Concentration: 270.00 mg/kg Lead Maximum Concentration: 2687.00 mg/kg Nickel Minimum Concentration: 6.00 mg/kg Nickel Average Concentration: 32.00 mg/kg Nickel Maximum Concentration: 137.00 mg/kg	A13SE (S)	0	2	383183 395865
	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	A13SE (S)	0	2	383183 395865
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	383183 395865
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	383183 395865
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	383183 395865
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	383183 395865
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	383183 395865
	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	A13SE (S)	0	2	383183 395865
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	2	383183 395865

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Contemporary Trade Directory Entries** Name: C S Autos Location: 13, Moss Lane West, Manchester, M15 5PQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	113	-	383010 395863
29	**Contemporary Trade Directory Entries** Name: Sparkle & Gleam Ltd Location: 162A Chorlton Rd, Manchester, M16 7WW Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (W)	193	-	382930 395878
30	**Contemporary Trade Directory Entries** Name: Derrick Pommells Location: Flat 91, Falcon Court, Dudley Close, Manchester, M15 5QD Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (N)	195	-	383215 396119
31	**Contemporary Trade Directory Entries** Name: Auto Technik Location: 45-49, Upper Chorlton Road, Manchester, M16 7RW Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	261	-	382891 395698
32	**Contemporary Trade Directory Entries** Name: Aspire In Manchester Location: 3, Ayres Road, Manchester, M16 7WY Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	261	-	382863 395914
33	**Contemporary Trade Directory Entries** Name: Trafford Light Haulage Location: A, 199, Stamford Street, Manchester, Lancashire, M16 9LX Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	294	-	382829 395826
34	**Contemporary Trade Directory Entries** Name: Bavra Ltd Location: 59, Upper Chorlton Road, Manchester, M16 7RQ Classification: Kitchen Furniture Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	339	-	382839 395631
35	**Contemporary Trade Directory Entries** Name: Save Service Station Location: 44, Upper Chorlton Road, Manchester, M16 7RN Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (SW)	377	-	382776 395669
35	**Contemporary Trade Directory Entries** Name: Darnley Street Motors Location: 81, Darnley Street, Manchester, M16 9WD Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	405	-	382740 395684
35	**Contemporary Trade Directory Entries** Name: B J Motors Location: 81, Darnley Street, Manchester, M16 9WD Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	405	-	382740 395684
35	**Contemporary Trade Directory Entries** Name: N A Autos Ltd Location: 81b, Darnley Street, Manchester, M16 9WD Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	405	-	382740 395684
36	**Contemporary Trade Directory Entries** Name: Cornbrook Vehicle Recycling Location: 77, Cornbrook Street, Manchester, M16 7QB Classification: Scrap Metal Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	380	-	382902 396206

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**Contemporary Trade Directory Entries** Name: The Service Centre Ii Location: 75, Cornbrook Street, Manchester, M16 7QB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	380	-	382902 396206
36	**Contemporary Trade Directory Entries** Name: Car Mot Station Location: 75, Cornbrook Street, Manchester, M16 7QB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	380	-	382902 396206
36	**Contemporary Trade Directory Entries** Name: Car & Light Commercial Mot Station Location: 77 Cornbrook St, Manchester, Lancashire, M16 7QB Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	381	-	382902 396206
37	**Contemporary Trade Directory Entries** Name: Thomas Griffiths & Son Ltd Location: 84, Chorlton Road, Manchester, M15 4AL Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	402	-	382943 396256
38	**Contemporary Trade Directory Entries** Name: B & R Service Centre Location: 71, Cornbrook Street, Manchester, M16 7QB Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	402	-	382887 396221
38	**Contemporary Trade Directory Entries** Name: Tyre Vulcanising (Heywood) Ltd Location: 86-90, Chorlton Road, Manchester, M15 4AN Classification: Tyre Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	405	-	382921 396247
38	**Contemporary Trade Directory Entries** Name: Burton Motorworks Location: 86-90, Chorlton Road, Manchester, M15 4AN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	405	-	382921 396247
38	**Contemporary Trade Directory Entries** Name: Chorlton Road Garage Location: 86-90, Chorlton Road, Manchester, Lancashire, M15 4AN Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	405	-	382921 396247
38	**Contemporary Trade Directory Entries** Name: Nuoe Location: 100 Chorlton Rd, Manchester, Lancashire, M15 4AN Classification: Office Furniture & Equipment **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A18SW (NW)	405	-	382921 396247
38	**Contemporary Trade Directory Entries** Name: Chorlton Road Garage Location: 86-90, Chorlton Road, Manchester, Lancashire, M15 4AN Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A18SW (NW)	405	-	382921 396247
38	**Contemporary Trade Directory Entries** Name: Macdonald White Location: 69, Cornbrook Street, Manchester, M16 7QB Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	410	-	382881 396227
38	**Contemporary Trade Directory Entries** Name: Chorlton Location: 67, Cornbrook Street, Manchester, M16 7QB Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	418	-	382875 396233

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	**Contemporary Trade Directory Entries** Name: Trendleway Cleaners Ltd Location: Globe House, Chorlton Road, Manchester, M15 4AL Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	428	-	382889 396255
38	**Contemporary Trade Directory Entries** Name: Mg Waste Management Location: 65, Cornbrook Street, Manchester, M16 7QB Classification: Recycling Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	447	-	382854 396253
38	**Contemporary Trade Directory Entries** Name: Mg Waste Management Location: 65, Cornbrook Street, Manchester, M16 7QB Classification: Recycling Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	447	-	382854 396253
39	**Contemporary Trade Directory Entries** Name: J V Blinds Location: 26, Bradstock Road, Manchester, Lancashire, M16 7GJ Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	439	-	383120 395379
40	**Contemporary Trade Directory Entries** Name: St Bride St Garage Location: 5, St. Bride Street, Manchester, M16 9LS Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (W)	467	-	382670 396008
41	**Contemporary Trade Directory Entries** Name: Engravings Services Ltd Location: 21, Radnor Street, Hulme, Manchester, M15 5RD Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	483	-	383716 395973
42	**Contemporary Trade Directory Entries** Name: Alpha M Services Location: Apartment 52, 99, Greenheys Lane West, Manchester, M15 5AX Classification: Car Engine Tuning & Diagnostic Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (NE)	488	-	383646 396189
43	**Contemporary Trade Directory Entries** Name: F Duerr & Sons Ltd Location: 15, Prestage Street, Old Trafford, Manchester, M16 9LH Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	533	-	382595 395968
44	**Contemporary Trade Directory Entries** Name: Cleos Cleaning Services Location: 131, Chorlton Road, Manchester, M15 4JG Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	545	-	382992 396425
45	**Contemporary Trade Directory Entries** Name: Jawads Frozen Foods Location: 51, Ayres Road, Manchester, Lancashire, M16 9NH Classification: Frozen Food Processors & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	551	-	382571 395844
45	**Contemporary Trade Directory Entries** Name: Halal Meat Centre Location: 51, Ayres Road, Manchester, M16 9NH Classification: Meat - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	551	-	382571 395844
46	**Contemporary Trade Directory Entries** Name: Aquatech - Pressmain Location: Dolphin House, 130, Princess Road, Manchester, Lancashire, M16 7BY Classification: Pumps - Sales, Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	562	-	383795 395798

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	**Contemporary Trade Directory Entries** Name: Aquatech Pressmain Location: Dolphin House, 130, Princess Road, Manchester, M16 7BY Classification: Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	562	-	383795 395798
47	**Contemporary Trade Directory Entries** Name: L T Switchgear Ltd Location: 120, Princess Road, Manchester, M15 5AT Classification: Electrical Goods - Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	564	-	383799 395917
47	**Contemporary Trade Directory Entries** Name: Bridgewater Hospital Location: 120, Princess Road, Manchester, M15 5AT Classification: Hospitals **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	564	-	383799 395917
48	**Contemporary Trade Directory Entries** Name: Malik Superstores Location: 111-113, Withington Road, Manchester, Lancashire, M16 8EE Classification: Meat - Wholesale **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	575	-	383008 395254
49	**Contemporary Trade Directory Entries** Name: Dusk Till Dawn Location: 53, Milner Street, Manchester, M16 7GG Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	575	-	382570 395657
50	**Contemporary Trade Directory Entries** Name: First Maid Ltd Location: 165, Warde Street, Hulme, Manchester, M15 5TF Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	597	-	383220 396522
51	**Contemporary Trade Directory Entries** Name: 4 Star Cleaning Location: 4, Yarburgh Street, Manchester, M16 7FJ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	618	-	383050 395204
52	**Contemporary Trade Directory Entries** Name: Global Garage Location: 52, Chorlton Road, Manchester, M15 4AU Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	639	-	382955 396513
53	**Contemporary Trade Directory Entries** Name: Alexandra Service Station Location: 95, Princess Road, Manchester, M14 4TH Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	658	-	383845 395575
54	**Contemporary Trade Directory Entries** Name: Scottish-Newcastle Ltd Location: 201, Denmark Road, Manchester, M15 6LD Classification: Brewers **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	686	-	383920 395923
55	**Contemporary Trade Directory Entries** Name: Super Cleaning Services Location: 111, Princess Road, Manchester, M14 4RB Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	701	-	383845 395474
55	**Contemporary Trade Directory Entries** Name: Super Cleaning Services Uk Ltd Location: 111, Princess Road, Manchester, M14 4RB Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	701	-	383845 395474

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	**Contemporary Trade Directory Entries** Name: Emerge Recycling Ltd Location: First Floor, Barnhill Studios, Westwood Street, Manchester, M14 4SW Classification: Recycling Centres **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A14SE (E)	729	-	383941 395643
56	**Contemporary Trade Directory Entries** Name: Emerge Recycling Location: First Floor,Barnhill Studios,Westwood St, Manchester, M14 4SW Classification: Recycling Centres **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	740	-	383958 395666
57	**Contemporary Trade Directory Entries** Name: Advanced Communications Specialists Location: 5, Lango Street, Manchester, M16 9LN Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	731	-	382401 396003
58	**Contemporary Trade Directory Entries** Name: Range Garage Location: 131, Withington Road, Manchester, M16 8EE Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	732	-	383026 395093
59	**Contemporary Trade Directory Entries** Name: Dust Covers Uk Location: 67, Carlton Street, Manchester, M16 7GZ Classification: Office Equipment Servicing & Maintenance **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	753	-	382416 395557
60	**Contemporary Trade Directory Entries** Name: T J Autos Location: 19, Lucy Street, Manchester, M15 4BX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	759	-	382788 396577
60	**Contemporary Trade Directory Entries** Name: John Gledhill Location: 19, Lucy Street, Manchester, M15 4BX Classification: Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	759	-	382788 396577
61	**Contemporary Trade Directory Entries** Name: New & Used Office Equipment Location: A, 100, Chorlton Road, Manchester, Lancashire, M15 4AP Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18NW (N)	793	-	383003 396685
62	**Contemporary Trade Directory Entries** Name: Spire Manchester Hospital Location: Manchester Hospital, Russell Road, Manchester, M16 8AJ Classification: Hospitals **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	794	-	382618 395205
62	**Contemporary Trade Directory Entries** Name: Spire Manchester Hospital Location: Manchester Hospital, Russell Road, Manchester, M16 8AJ Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	794	-	382618 395205
63	**Contemporary Trade Directory Entries** Name: Homeclean Location: 1, Grendale Drive, Manchester, Lancashire, M16 9BN Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	794	-	382483 396365
64	**Contemporary Trade Directory Entries** Name: Sky Blue Box Location: 5, Brownbank Walk, Manchester, M15 6WS Classification: Printers Textile **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	805	-	383940 396315

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**Contemporary Trade Directory Entries** Name: All-In-One Diy Location: 2, Henrietta Street, Manchester, M16 9PT Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	839	-	382284 395883
65	**Contemporary Trade Directory Entries** Name: All In One Diy Ltd Location: 2, Henrietta Street, Manchester, Lancashire, M16 9PT Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	839	-	382284 395883
66	**Contemporary Trade Directory Entries** Name: I D Location: 219, Hulme Walk, Manchester, M15 5FQ Classification: Mechanical Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	842	-	383486 396730
67	**Contemporary Trade Directory Entries** Name: Ab Domestics Location: Flat 15, Govind Ruia Court, 18, Alness Road, Manchester, Lancashire, M16 8FX Classification: Washing Machines - Servicing & Repairs **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	847	-	383160 394971
68	**Contemporary Trade Directory Entries** Name: Carpet Clean Location: 39, Victoria Road, Whalley Range, Manchester, M16 8DQ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	861	-	382866 394996
69	**Contemporary Trade Directory Entries** Name: Timpson Locksmiths Location: 187, Princess Road, Manchester, M14 4RL Classification: Hardware **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	864	-	383858 395219
69	**Contemporary Trade Directory Entries** Name: 1 Time Domestics Location: 92, Claremont Road, Manchester, M14 4RR Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	874	-	383843 395190
70	**Contemporary Trade Directory Entries** Name: Gothard Pine Location: Fallover House, 30, Bronte Street, Manchester, M15 6QL Classification: Furniture Manufacturers - Home & Office **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	881	-	384031 396304
71	**Contemporary Trade Directory Entries** Name: T B A Motors Location: 1, Lucy Street, Manchester, M15 4BX Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	889	-	382674 396664
71	**Contemporary Trade Directory Entries** Name: West Weave Ltd Location: 355-357, City Road, Manchester, M15 4DE Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	895	-	382700 396685
71	**Contemporary Trade Directory Entries** Name: Executive Fabric Care Ltd Location: 377, City Road, Manchester, Lancashire, M15 4DE Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	902	-	382657 396668

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	**Contemporary Trade Directory Entries** Name: Executive Fabric Care Ltd Location: 377, City Road, Manchester, Lancashire, M15 4DE Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	902	-	382657 396668
72	**Contemporary Trade Directory Entries** Name: Refrigerator Components Location: 530, Stretford Road, Manchester, M16 9AF Classification: Refrigeration Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	913	-	382371 396415
72	**Contemporary Trade Directory Entries** Name: R C L Devision Of Thermofrost Plc Location: 530, Stretford Road, Manchester, M16 9AF Classification: Refrigeration Equipment Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	913	-	382371 396415
72	**Contemporary Trade Directory Entries** Name: Wallguard Location: Progress House, 39, Northumberland Road, Manchester, M16 9AN Classification: Damp & Dry Rot Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	950	-	382346 396443
73	**Contemporary Trade Directory Entries** Name: Williams Landrover Location: Birchall Way, Manchester, M15 6DU Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19NE (NE)	920	-	383898 396562
74	**Contemporary Trade Directory Entries** Name: Smart And Effective Cleaning And Support Services Location: Flat 1, 1, New Welcome Street, Manchester, M15 5NA Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A19NW (N)	927	-	383561 396793
75	**Contemporary Trade Directory Entries** Name: Prompt Pest Control Services Location: 1, Chatsworth Grove, Manchester, M16 8GY Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	936	-	382917 394905
76	**Contemporary Trade Directory Entries** Name: Russell Garage Ltd Location: 31a, Russell Road, Manchester, M16 8DJ Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	943	-	382766 394945
77	**Contemporary Trade Directory Entries** Name: A.C.S. Cleaning Services Location: 14, Northumberland Road, Manchester, M16 9DP Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	978	-	382247 396329
77	**Contemporary Trade Directory Entries** Name: A C S Office Cleaning Services Location: 14, Northumberland Road, Manchester, M16 9DP Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	978	-	382247 396329
78	**Contemporary Trade Directory Entries** Name: A N G Disposals Location: 62 Northumberland Rd, Manchester, Lancashire, M16 9PP Classification: Waste Disposal Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A11NE (W)	993	-	382141 396040
79	**Contemporary Trade Directory Entries** Name: Brownall Nabic Location: Stretford Road, Manchester, M16 9AR Classification: Engineers - General **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	999	-	382281 396434

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	**Fuel Station Entries** Name: Save Firswood Location: Upper Chorlton Road, Manchester, M16 7RW Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	357	-	382833 395608
81	**Fuel Station Entries** Name: Asda Hulme Location: Greenhays Lane West, Archway, Hulme, Manchester, Lancashire, M15 5AQ Brand: ASDA Premises Type: Hypermarket **Status: Open** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	587	-	383694 396292
82	**Fuel Station Entries** Name: Alexandra Service Station Location: 95 Princess Road, Mosside, Manchester, M14 4TH Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	658	-	383845 395575
83	**Fuel Station Entries** Name: Range Garage Location: 131, Withington Road, Manchester, M16 8EE Brand: Unbranded Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A8SW (S)	725	-	383025 395100

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Stockport Metropolitan Borough Council - Environment Team (Land & Water)	December 2014	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	May 2013	Annual Rolling Update
Salford City Council - Environmental Health Department	November 2013	Annual Rolling Update
Trafford Metropolitan Borough Council - Renewal and Environmental Protection	November 2013	Annual Rolling Update
Bury Metropolitan Borough Council - Environmental Health Department	October 2013	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	November 2014	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - North West Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	November 2014	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Bury Metropolitan Borough Council - Environmental Health Department	April 2013	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	February 2013	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
Salford City Council - Environmental Health Department	September 2013	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Bury Metropolitan Borough Council - Environmental Health Department	April 2013	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	February 2013	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	January 2013	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Annual Rolling Update
Salford City Council - Environmental Health Department	September 2013	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Bury Metropolitan Borough Council - Environmental Health Department	April 2013	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	February 2013	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Annual Rolling Update
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
Salford City Council - Environmental Health Department	September 2013	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	As notified
Registered Radioactive Substances		
Environment Agency - North West Region	November 2014	Quarterly
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	November 2014	Quarterly
Water Abstractions Environment Agency - North West Region	October 2014	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	November 2014	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Source Protection Zones Environment Agency - Head Office	August 2014	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2014	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2014	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2014	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2014	Quarterly
Flood Defences Environment Agency - Head Office	August 2014	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - North West Region - South Area	August 2014	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	August 2014	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	November 2014	Quarterly
Local Authority Landfill Coverage		
Bury Metropolitan Borough Council	May 2000	Not Applicable
Manchester City Council - Planning Department	May 2000	Not Applicable
Salford City Council - Environmental Health Department	May 2000	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	May 2000	Not Applicable
Tameside Metropolitan Borough Council	May 2000	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Bury Metropolitan Borough Council	May 2000	Not Applicable
Manchester City Council - Planning Department	May 2000	Not Applicable
Salford City Council - Environmental Health Department	May 2000	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	May 2000	Not Applicable
Tameside Metropolitan Borough Council	May 2000	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	August 2014	Bi-Annually
Explosive Sites		
Health and Safety Executive	October 2014	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Stockport Metropolitan Borough Council - Environment and Economic Development	November 2014	Annual Rolling Update
Trafford Metropolitan Borough Council	November 2014	Annual Rolling Update
Bury Metropolitan Borough Council	September 2013	Annual Rolling Update
Manchester City Council - Planning Department	September 2014	Annual Rolling Update
Salford City Council	September 2014	Annual Rolling Update
Tameside Metropolitan Borough Council - Planning and Building Control	September 2014	Annual Rolling Update
Planning Hazardous Substance Consents		
Trafford Metropolitan Borough Council	March 2013	Annual Rolling Update
Stockport Metropolitan Borough Council - Environment and Economic Development	November 2014	Annual Rolling Update
Bury Metropolitan Borough Council	September 2013	Annual Rolling Update
Manchester City Council - Planning Department	September 2014	Annual Rolling Update
Salford City Council	September 2014	Annual Rolling Update
Tameside Metropolitan Borough Council - Planning and Building Control	September 2014	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2014	Bi-Annually
BGS Urban Soil Chemistry British Geological Survey - National Geoscience Information Service	June 2011	Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	June 2011	Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	December 2013	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	July 2014	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2014	Annually
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	November 2014	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2014	Quarterly

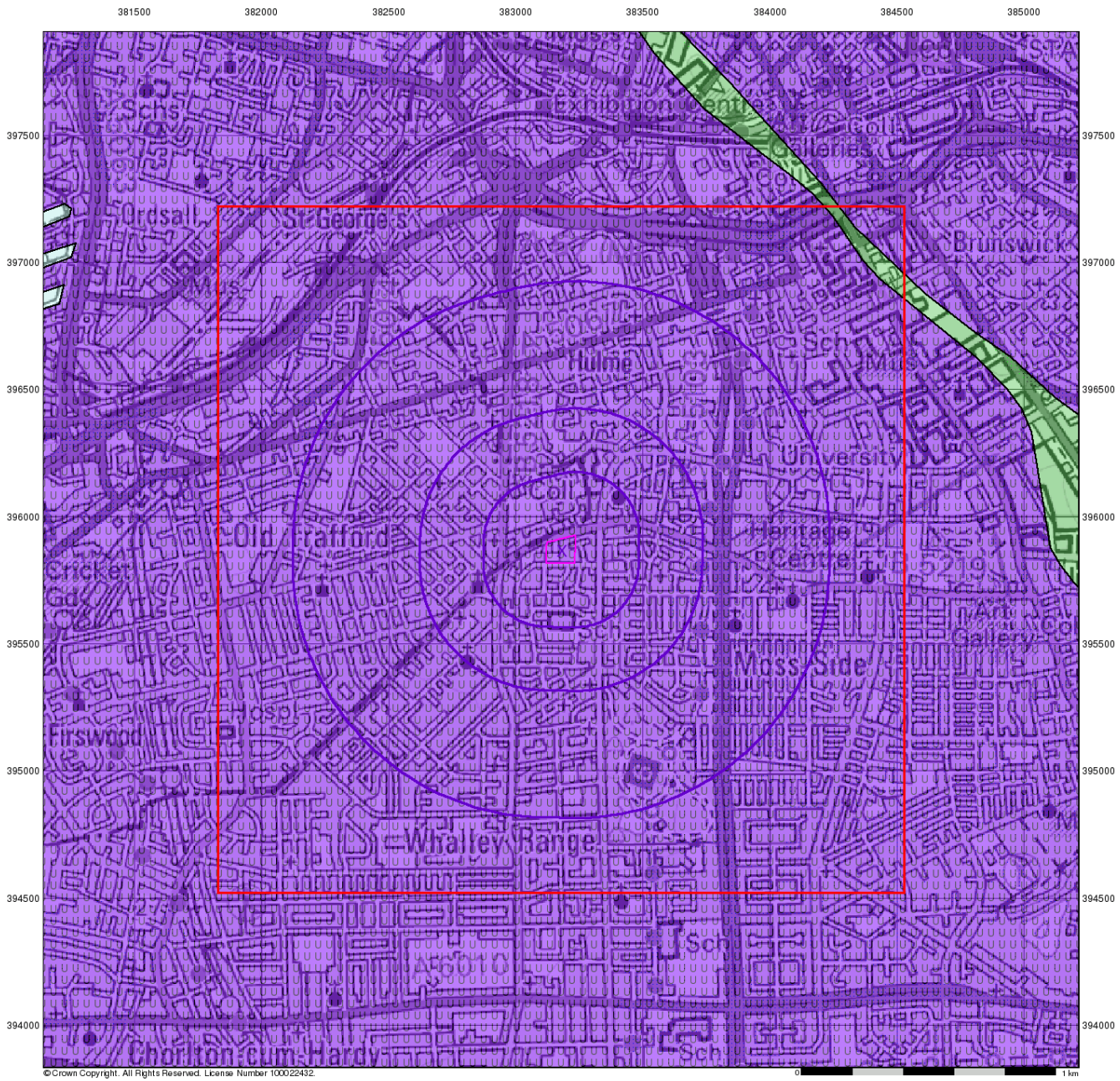
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt		
Bury Metropolitan Borough Council	November 2014	As notified
Manchester City Council	November 2014	As notified
Salford City Council	November 2014	As notified
Stockport Metropolitan Borough Council	November 2014	As notified
Tameside Metropolitan Borough Council	November 2014	As notified
Trafford Metropolitan Borough Council	November 2014	As notified
Areas of Unadopted Green Belt		
Bury Metropolitan Borough Council	November 2014	As notified
Manchester City Council	November 2014	As notified
Salford City Council	November 2014	As notified
Stockport Metropolitan Borough Council	November 2014	As notified
Tameside Metropolitan Borough Council	November 2014	As notified
Trafford Metropolitan Borough Council	November 2014	As notified
Areas of Outstanding Natural Beauty		
Natural England	August 2014	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2014	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	October 2014	Bi-Annually
Marine Nature Reserves		
Natural England	July 2013	Bi-Annually
National Nature Reserves		
Natural England	September 2014	Bi-Annually
National Parks		
Natural England	August 2014	Bi-Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	July 2014	Annually
Ramsar Sites		
Natural England	March 2014	Bi-Annually
Sites of Special Scientific Interest		
Natural England	September 2014	Bi-Annually
Special Areas of Conservation		
Natural England	March 2014	Bi-Annually
Special Protection Areas		
Natural England	September 2014	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	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
2	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
4	**Trafford Metropolitan Borough Council - Environmental Health Department** P O Box 14, Trafford Town Hall, Talbot Road, Stretford, Greater Manchester, M32 0YJ	Telephone: 0161 912 4566 Fax: 0161 873 7783 Website: www.trafford.gov.uk
5	**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
6	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
7	**The Coal Authority - Mining Report Service** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
8	**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
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Groundwater Vulnerability

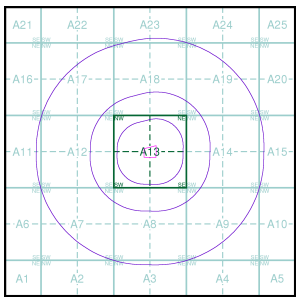
General

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

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



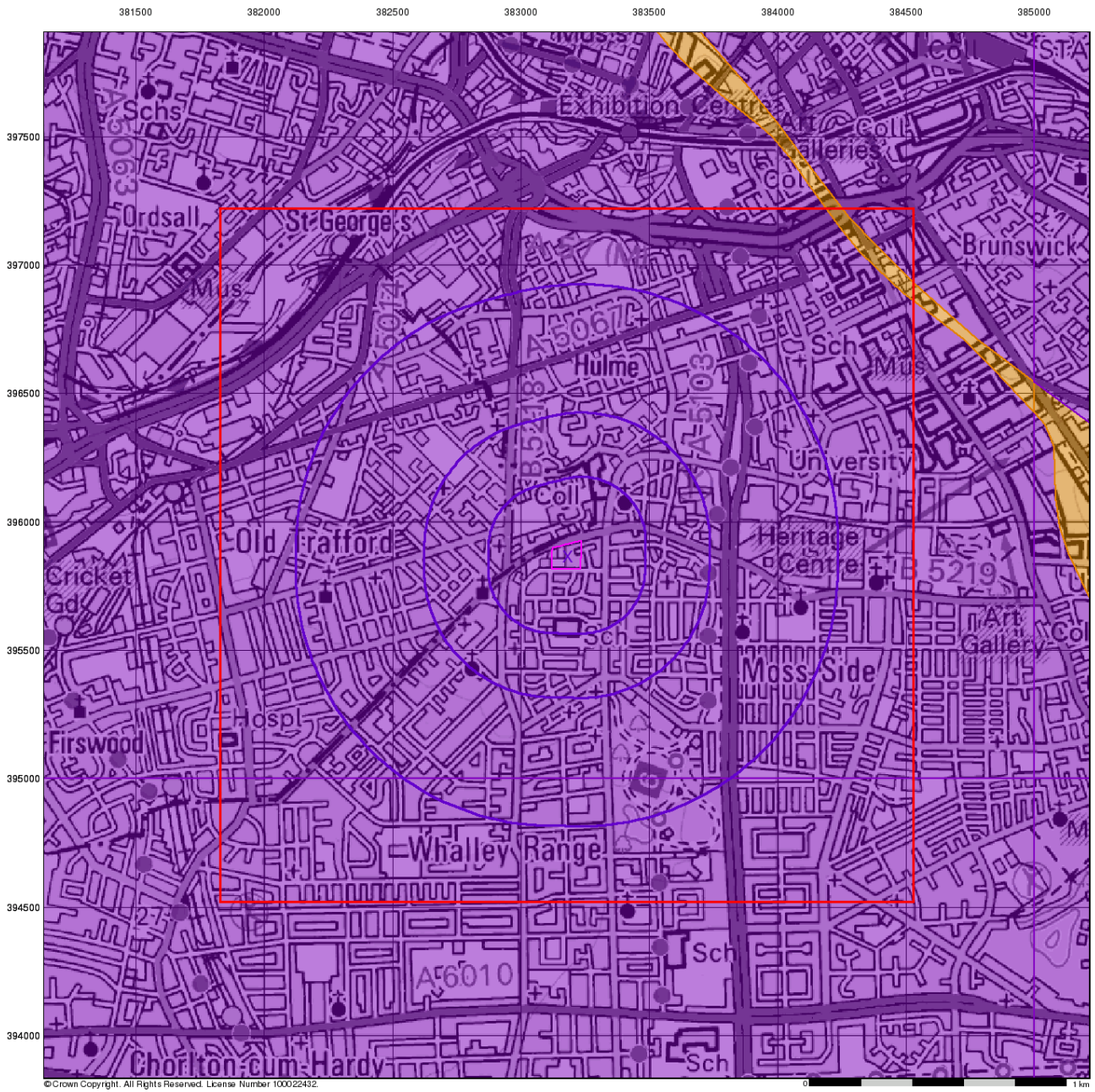
Order Details

Order Number:	62993067_1_1
Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

Moss Lane West, MANCHESTER, M15 5PQ

Landmark® Information Group
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Bedrock Aquifer Designation

General

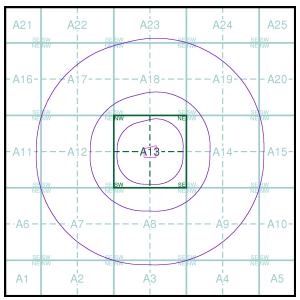
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



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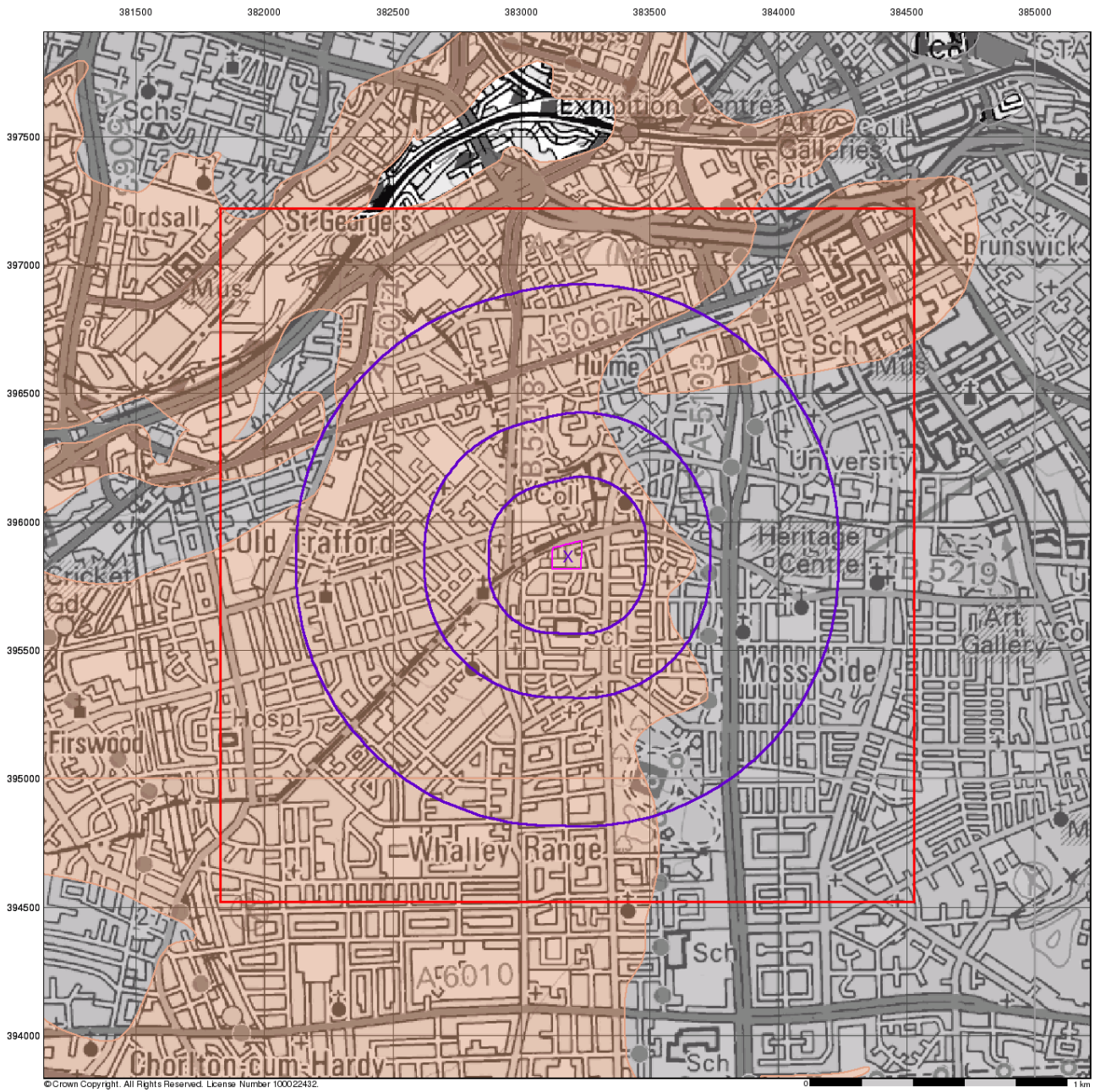


Envirocheck®

Superficial Aquifer Designation

General

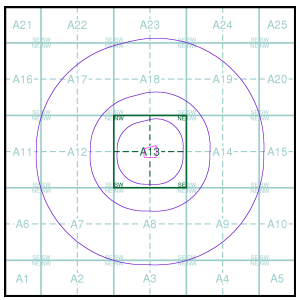
Specified Site | Specified Buffer(s) | Bearing Reference Point
Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

Site Sensitivity Context Map - Slice A



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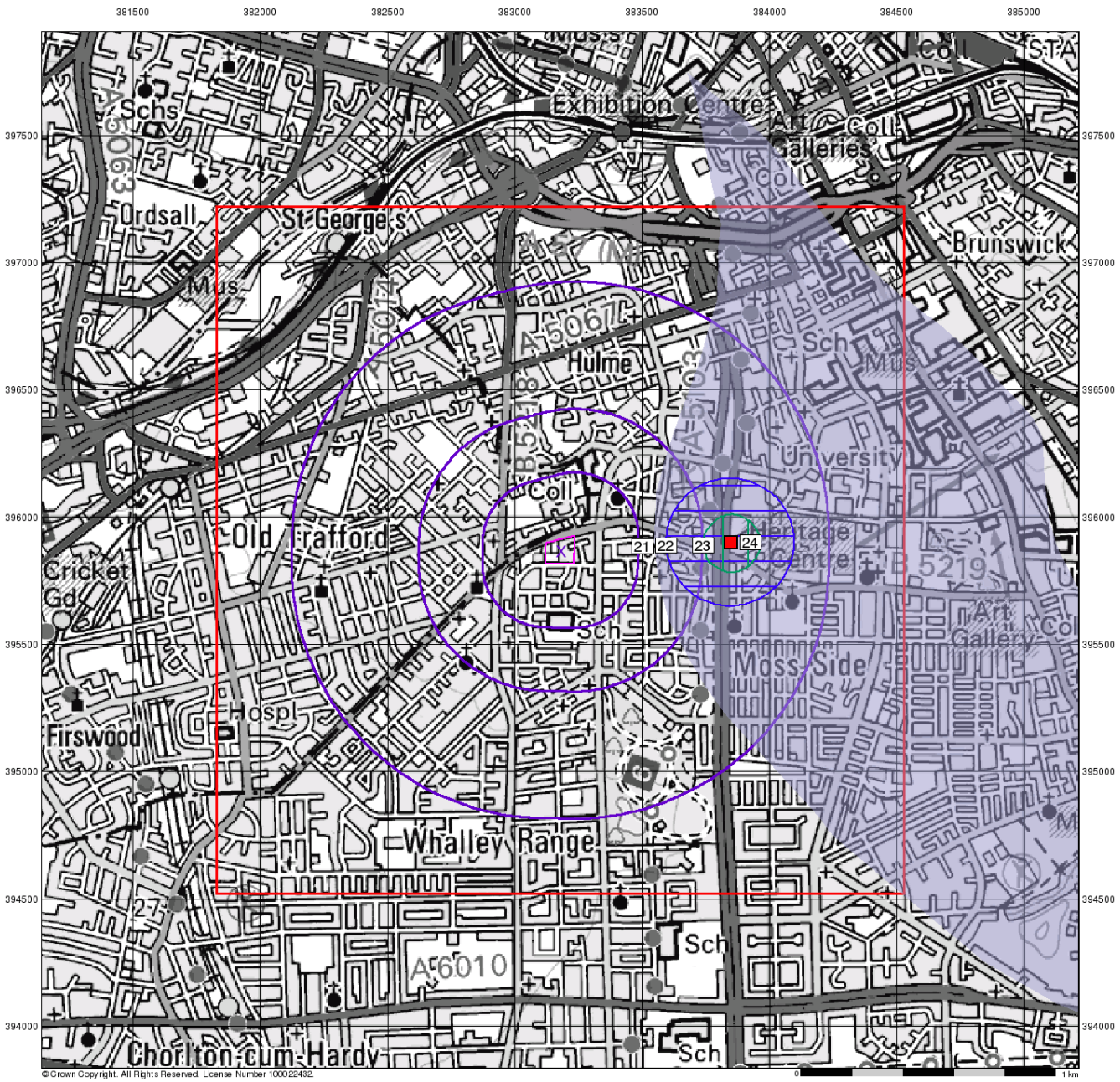


Source Protection Zones

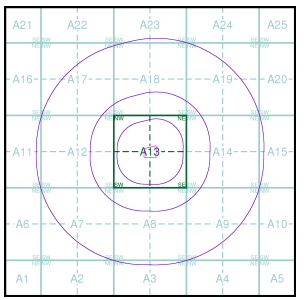
General

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

Agency and Hydrological

Source Protection Zone I
Source Protection Zone II
Source Protection Zone III
Zone of Special Interest
Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



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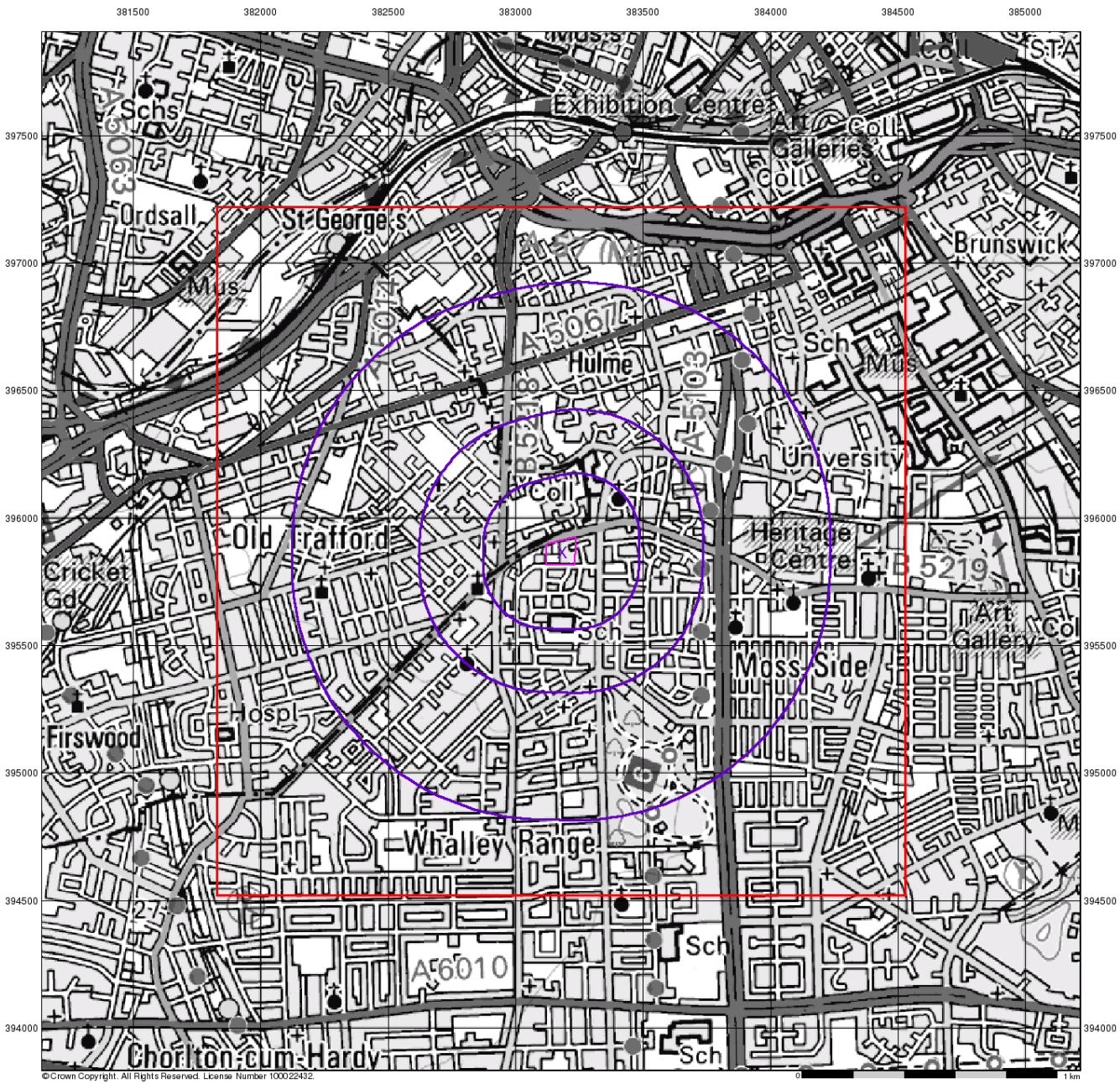

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Sensitive Land Uses

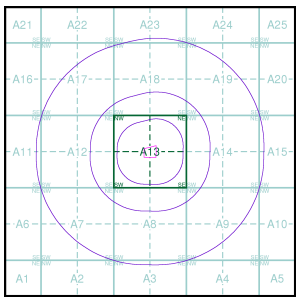
General

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

Sensitive Land Uses

- 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

Site Sensitivity Context Map - Slice A



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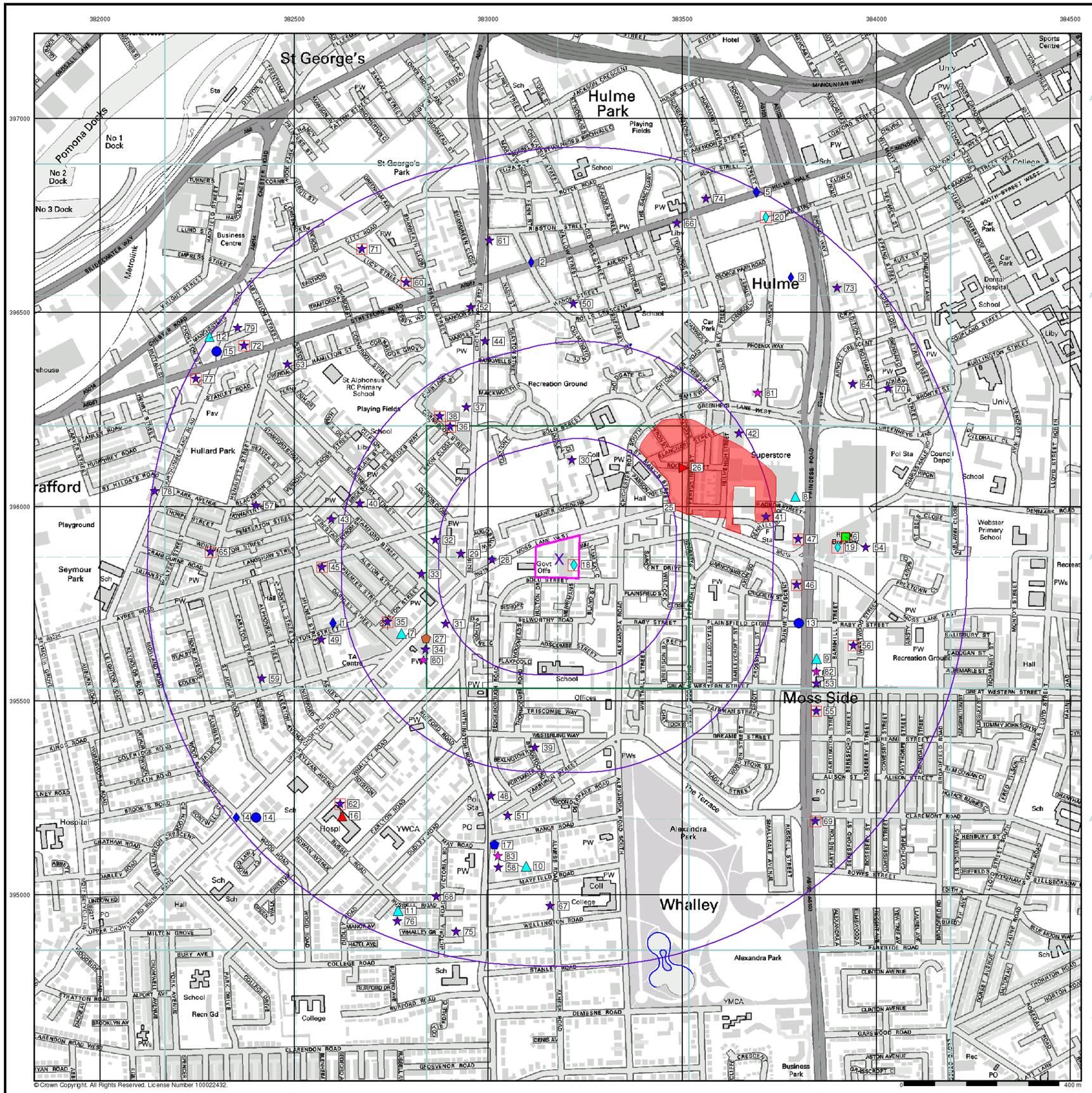
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St George's
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Playing Fields
Hulme
Moss Side
Whalley
Pomona Docks
No 1 Dock
No 2 Dock
No 3 Dock
Metrolink
Business Centre
St George's Park
Recreation Ground
Playing Fields
Hullard Park
Seymour Park
Superstore
Alexandra Park
Recreation Ground
Webster Primary School
Sports Centre
Car Park
Dental Hospital
Pol Sta
Council Depot
Govt Offs
Offices
Business Park
TA Centre
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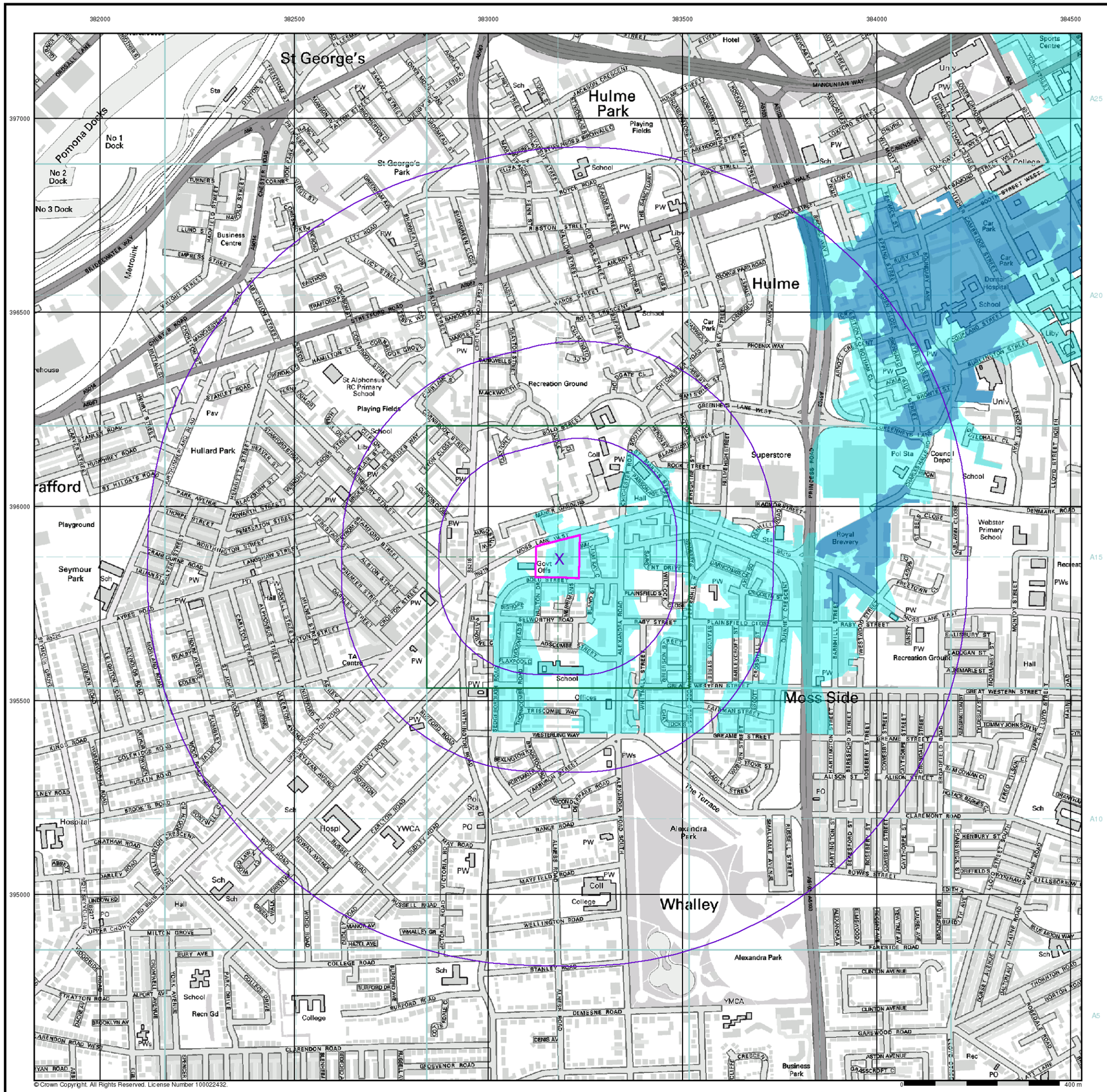
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Hulme Park
Playing Fields
Pomona Docks
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No 2 Dock
No 3 Dock
Metrolink
Business Centre
St George's Park
Hulme
Recreation Ground
St Alphonsus RC Primary School
Hullard Park
Superstore
Royal Brewery
Webster Primary School
Moss Side
Whalley
Alexandra Park
Seymour Park
Playground
Business Park
Govt Offs
Offices
TA Centre
YMCA
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Recreation Ground
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Hospital
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Superstore
The Terrace
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MANCUNIAN WAY
PRINCESS ROAD
WILMSLOW ROAD
MOSS LANE WEST
MOSS LANE EAST
GREAT WESTERN STREET
CLARENDON ROAD
CLARENDON ROAD WEST
GROSVENOR ROAD
WESTERLING WAY
TRISCOMBE WAY
SELWORTHY ROAD
ADSCOMBE STREET
RABY STREET
PLAINSFIELD CLOSE
PLAINSFIELD'S CLOSE
DEMESNE ROAD
WELLINGTON ROAD
STANLEY ROAD
COLLEGE ROAD
MAYFIELD ROAD
RANGE ROAD
CLAREMONT ROAD
CLINTON AVENUE
GARSWOOD ROAD
ASTON AVENUE
DENMARK ROAD
PARKSIDE ROAD
GREENHEYS LANE WEST
GREENHEYS LANE
PHOENIX WAY
GEORGE PARK ROAD
HULME HALL ROAD
ROYCE ROAD
CITY ROAD
STRETFORD ROAD
OXFORD ROAD
ALEXANDRA ROAD SOUTH
ALEXANDRA ROAD
PARK AVENUE
ST HILDA'S ROAD
HUTCHINSON STREET
HAMILTON STREET
CONRAD STREET
OAK GROVE
STANLEY ROAD
GREENDALE
FERN ISLAND
CHESTER ROAD
CORNBROOK STREET
BOLD STREET
ROCK STREET
BLANCHE STREET
HULME HIGH STREET
CHICHESTER ROAD
PARSONAGE STREET
RADNOR STREET
ROYCE ROAD
CAMELL STREET
THE SANCTUARY
RIBSTON STREET
OLD HALL STREET
ARLEDON AVENUE
ARLEDON STREET
LEAK STREET
HUMPHREY AVENUE
ASHLEY ROAD
LOXFORD STREET
HIGHER CHATSWORTH STREET
BOUNDARY LANE
BOOTH STREET WEST
BOOTH STREET
CAVENDISH STREET
HIGHER CHATSWORTH STREET WEST
CHATSWORTH STREET
CHATSWORTH STREET WEST
ROBERT HYDE STREET
ROBERT HYDE CLOSE
KEPPEL STREET
KEPPEL CLOSE
ARNOLD CRESCENT
ARNOLD CLOSE
ROUSHAM CLOSE
COPPICE STREET
COPPICE CLOSE
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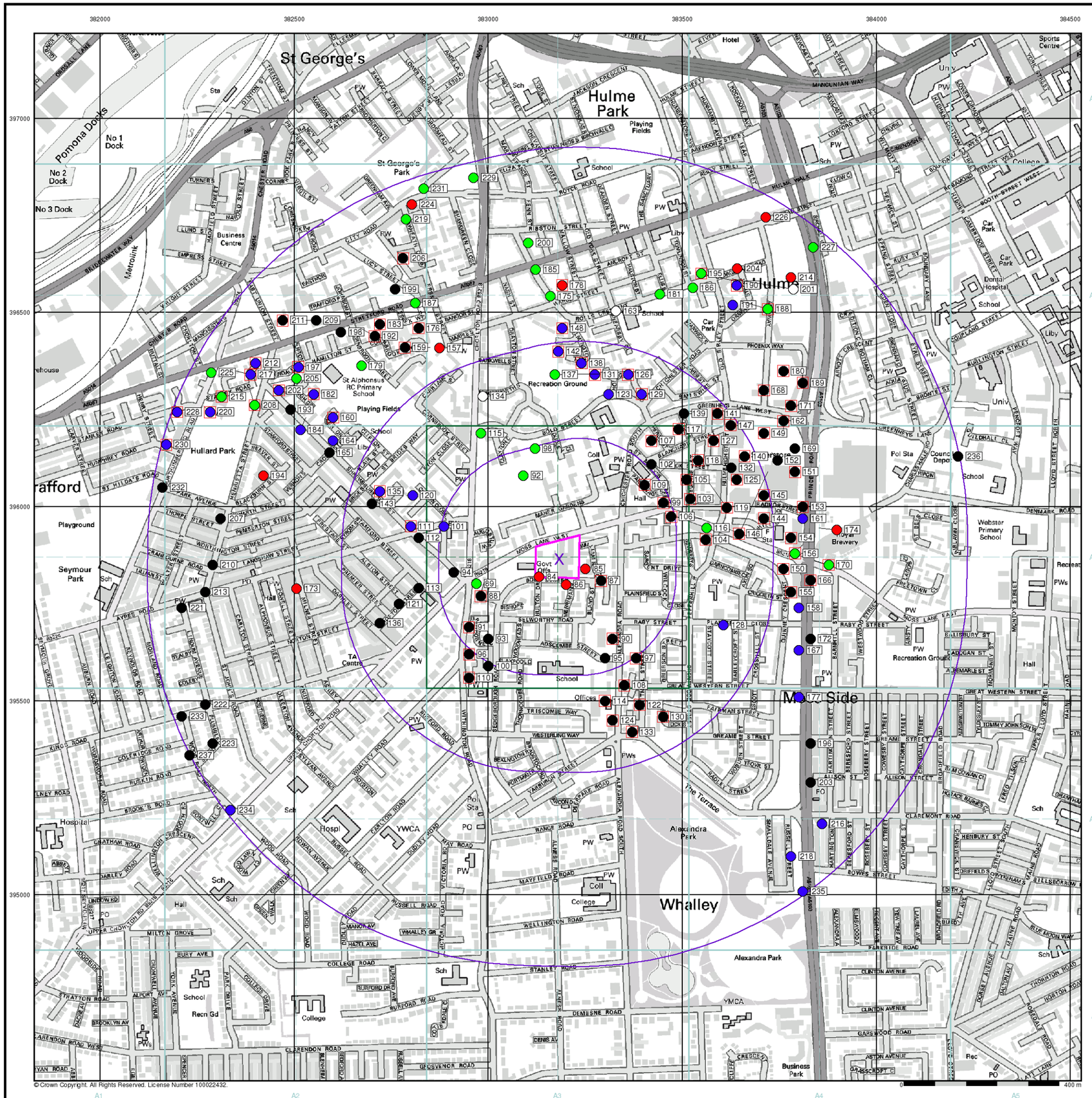
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Playground
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Moss Side
Whalley
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Offices
Coll
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Hall
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School
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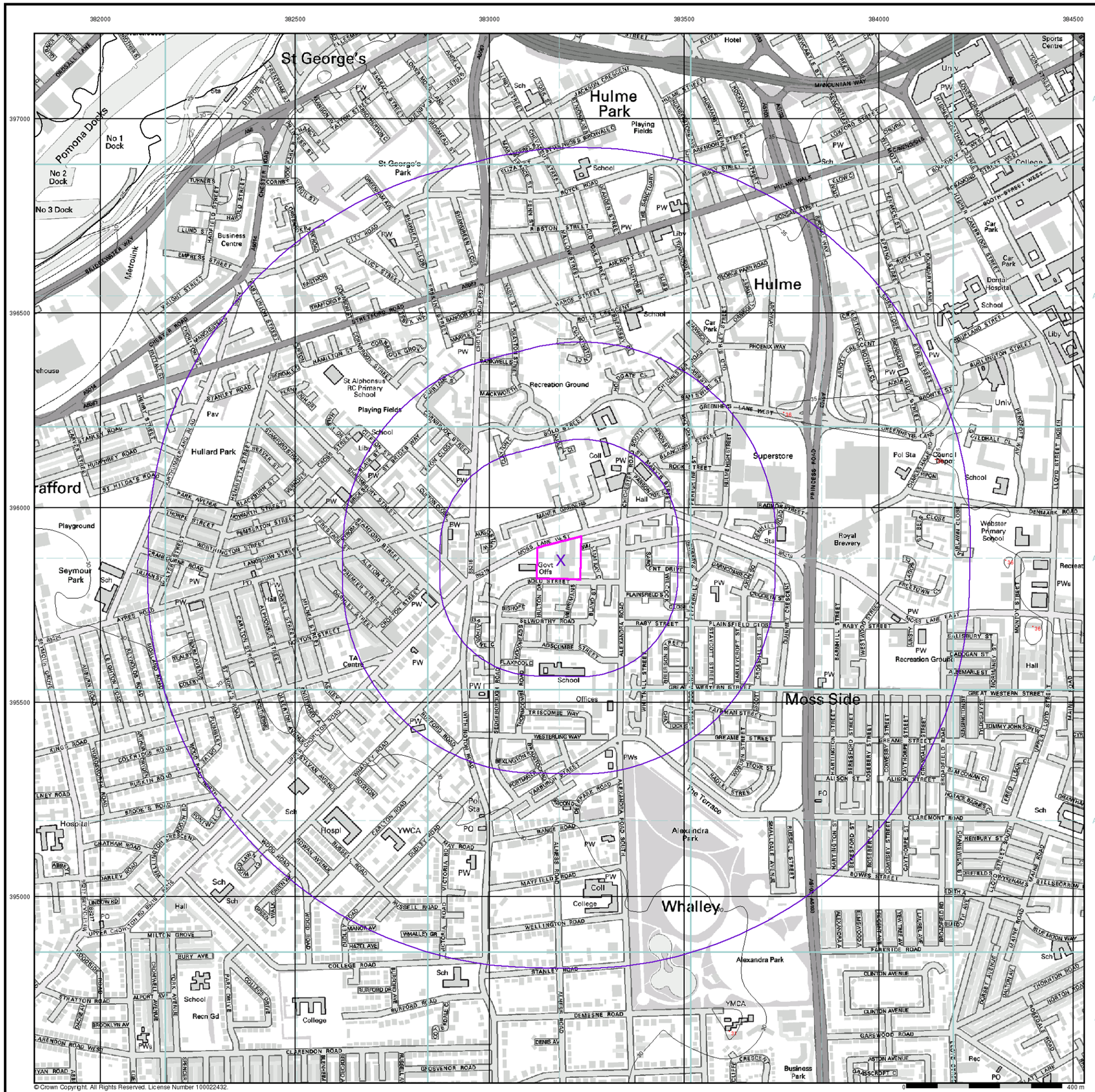
Univ
Sports Centre
Car Park
Dental Hospital
Liby
Pol Sta
Council Depot
Webster Primary School
Joyce Brewery
Recreation
PWs
TA Centre
YMCA
Business Park
The Terrace
Mancunian Way
Princess Parkway
Chester Road
Stretford Road
Manchester Road
Oxford Road
Denmark Road
Wilmslow Road
Whalley Range
Kingsway
Hospl
Rec
PO
Pol Sta
Coll
Sch
Hall
Liby
Univ
Govt Offs
F Sta
Council Depot
Car Park
Dental Hospital
Joyce Brewery
Webster Primary School
Recreation Ground
TA Centre
YMCA
Business Park
Alexandra Park
The Terrace



General

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

Detailed River Network Data

- Primary River
- Secondary River
- Tertiary River
- Canal
- Canal Tunnel
- Undefined River
- Lake/Reservoir
- Offline Drainage Feature
- Extended Culvert (greater than 50m)
- Underground River (inferred)
- Underground River (local knowledge)
- Downstream of High Water Mark
- Downstream of Seaward Extension
- Not assigned River feature

Contours (height in metres)

Standard Contour 105 100 95

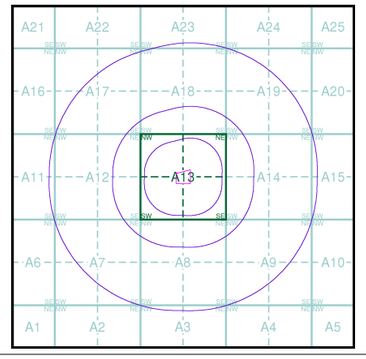
Master Contour

Spot Height 167.3

MLW Mean Low Water

MHW Mean High Water

EA/NRW Detailed River Network Map - Slice A



Order Details

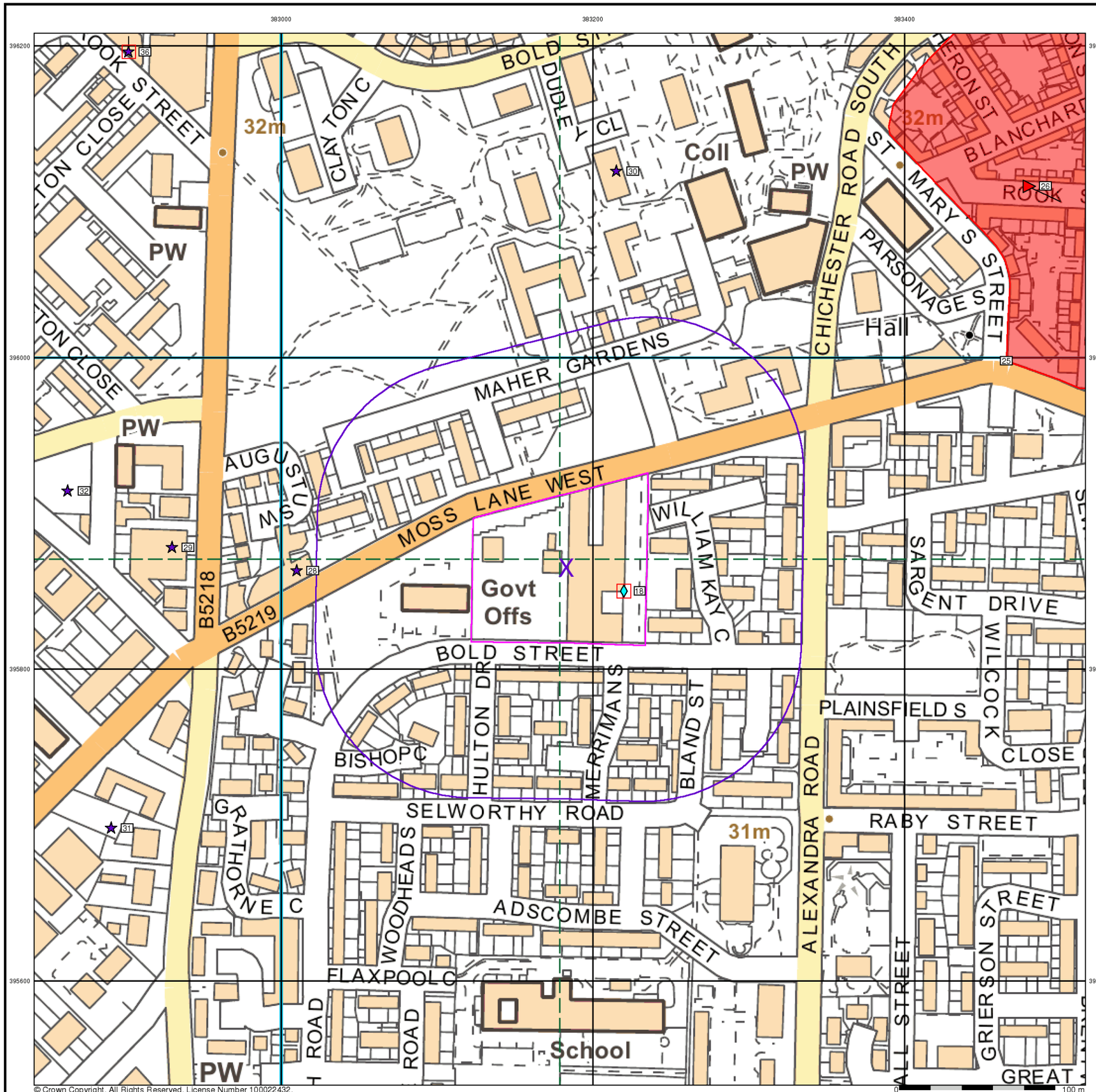
Order Number:	62993067_1_1
Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

Moss Lane West, MANCHESTER, M15 5PQ

Landmark Information Group

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



Envirocheck®

General

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

Agency and Hydrological

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

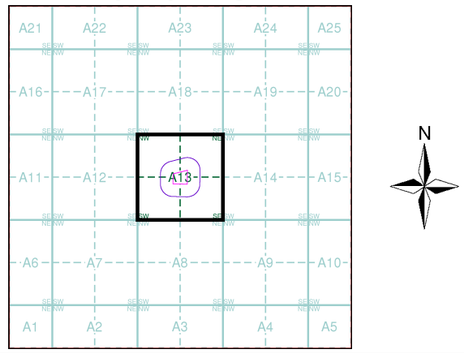
Waste

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

Hazardous Substances

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

Site Sensitivity Map - Segment A13



Order Details

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Slice:	A
Site Area (Ha):	1.07

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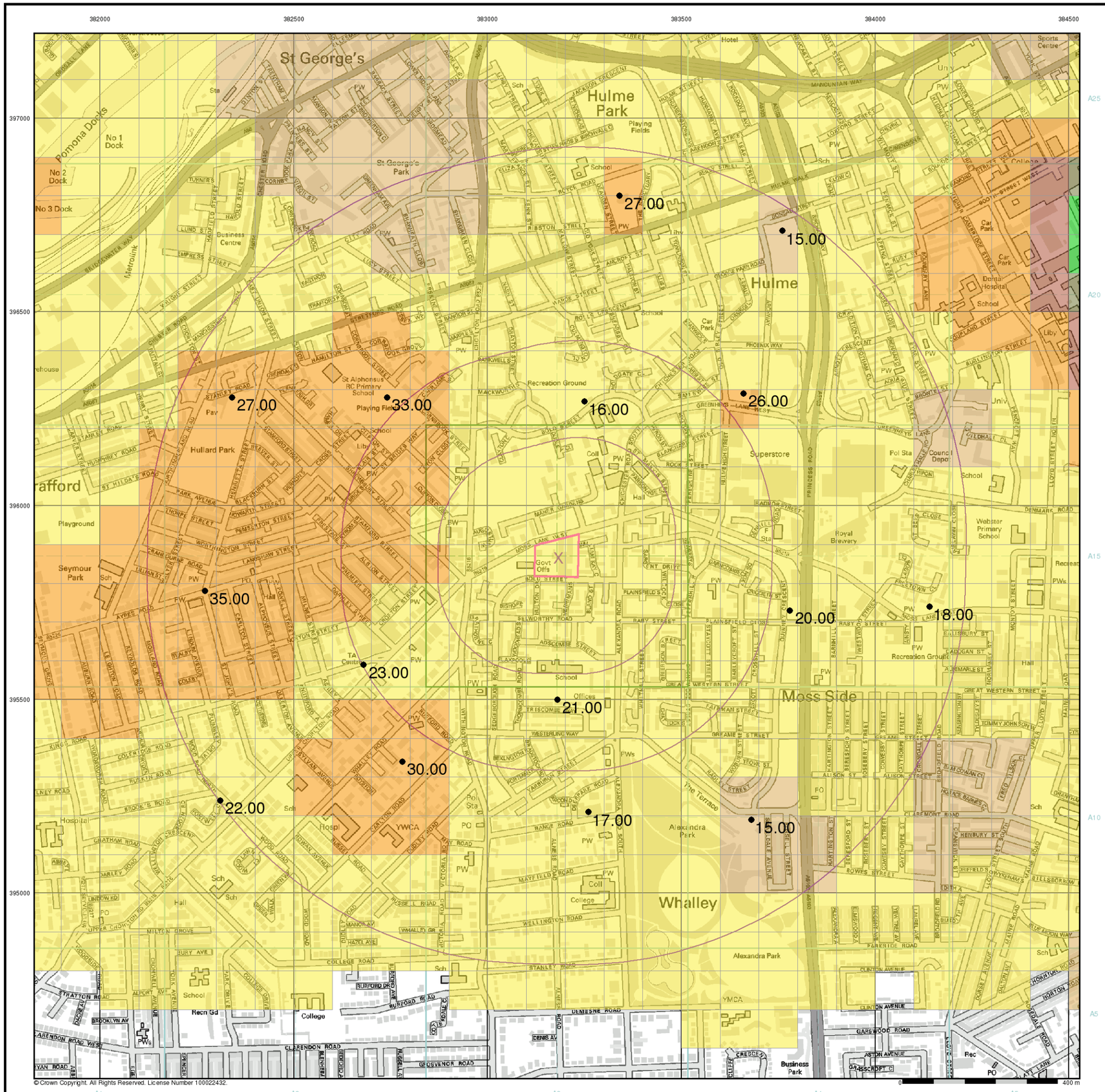


General

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

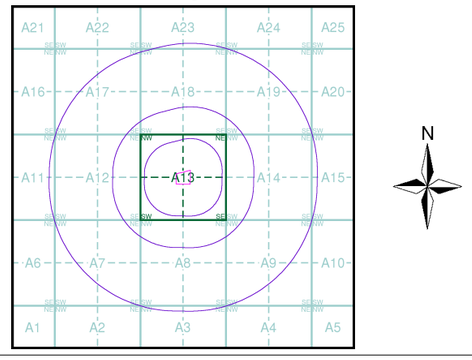
Urban Soil Chemistry Arsenic

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Arsenic Concentrations mg/kg

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

Urban Soil Chemistry Arsenic - Slice A



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National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
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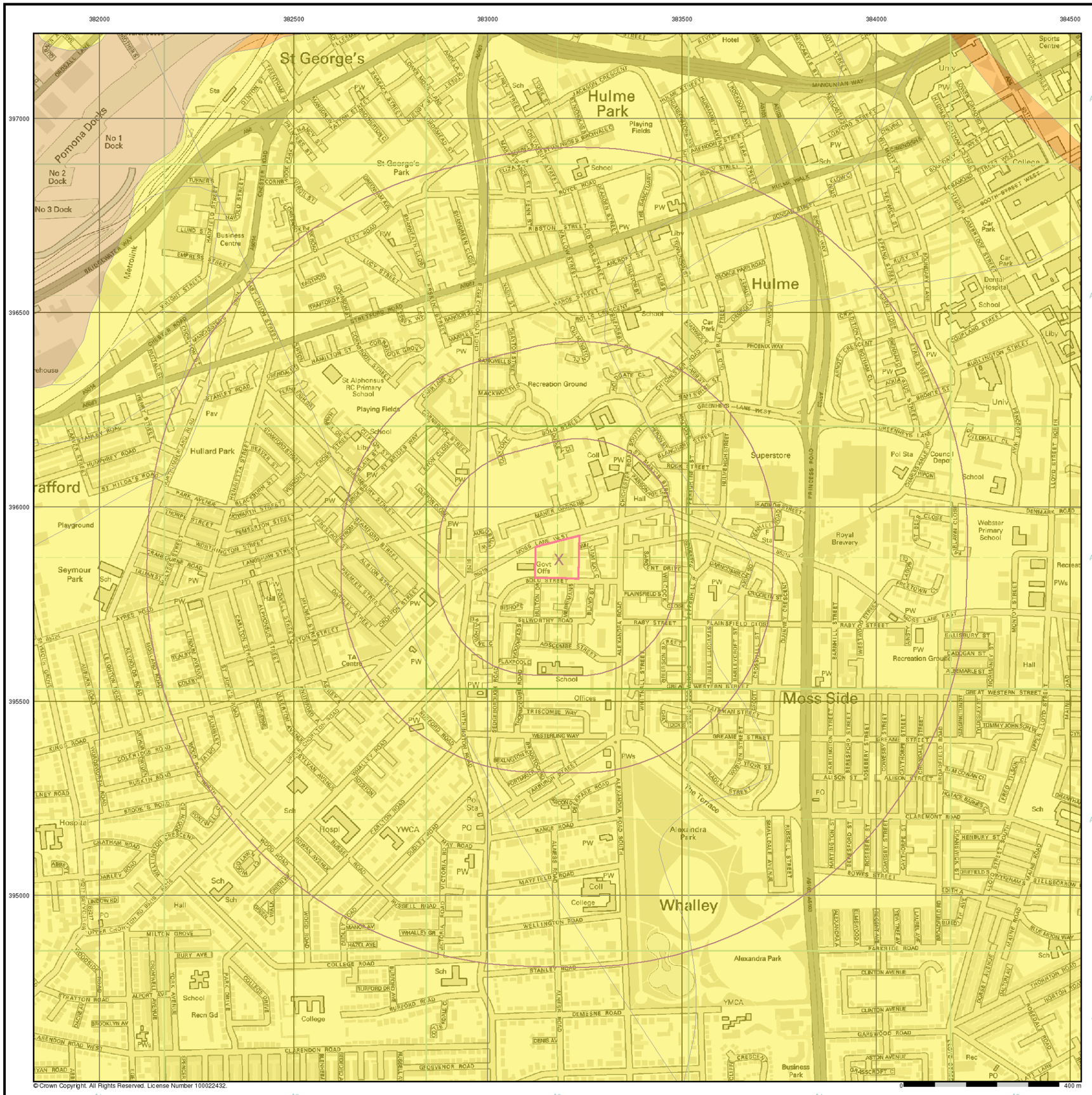


Envirocheck®

General

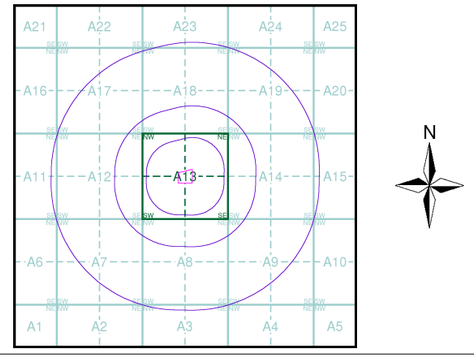
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

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

Estimated Soil Chemistry Arsenic - Slice A



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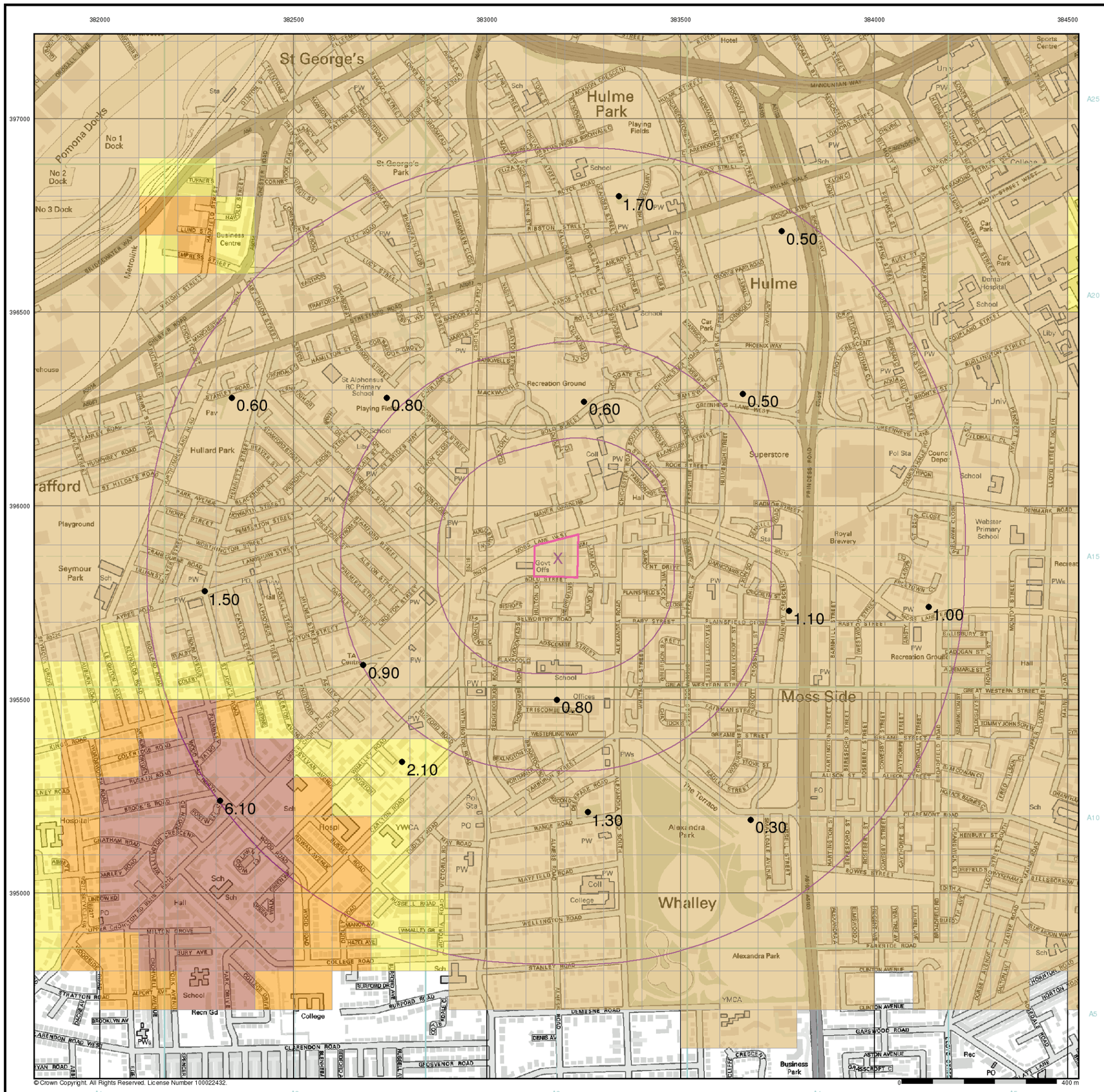


Envirocheck®

General

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

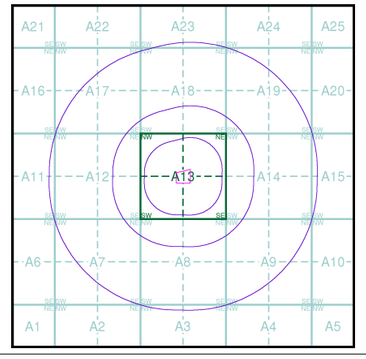
Urban Soil Chemistry Cadmium

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Cadmium Concentrations mg/kg

< 1.8
1.8 - 2.2
2.2 - 3.0
> 3.0

Urban Soil Chemistry Cadmium - Slice A



Order Details

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National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
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Envirocheck®

General

Specified Site   Specified Buffer(s)   X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

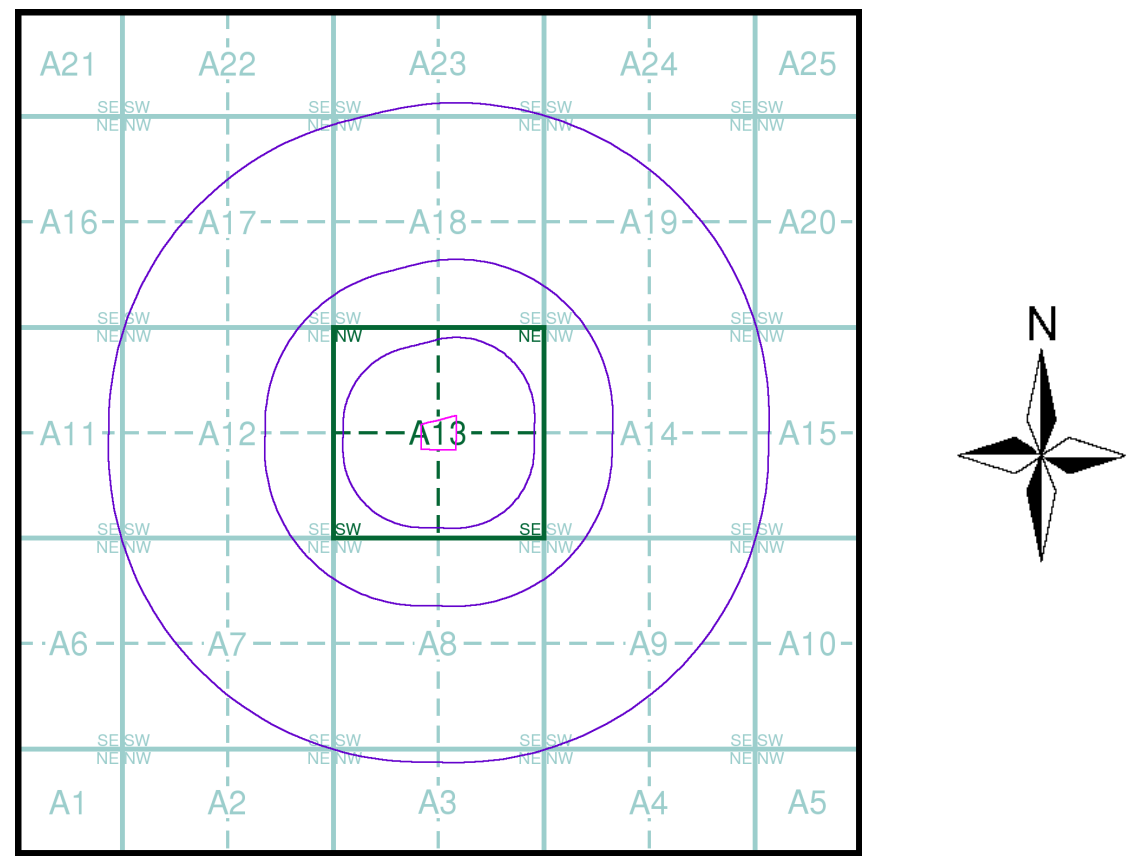
< 1.8

1.8 - 2.2

2.2 - 3.0

> 3.0

Estimated Soil Chemistry Cadmium - Slice A



Order Details

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Customer Ref: GSI 0397 IW EC 161214
National Grid Reference: 383180, 395870
Slice: A
Site Area (Ha): 1.07
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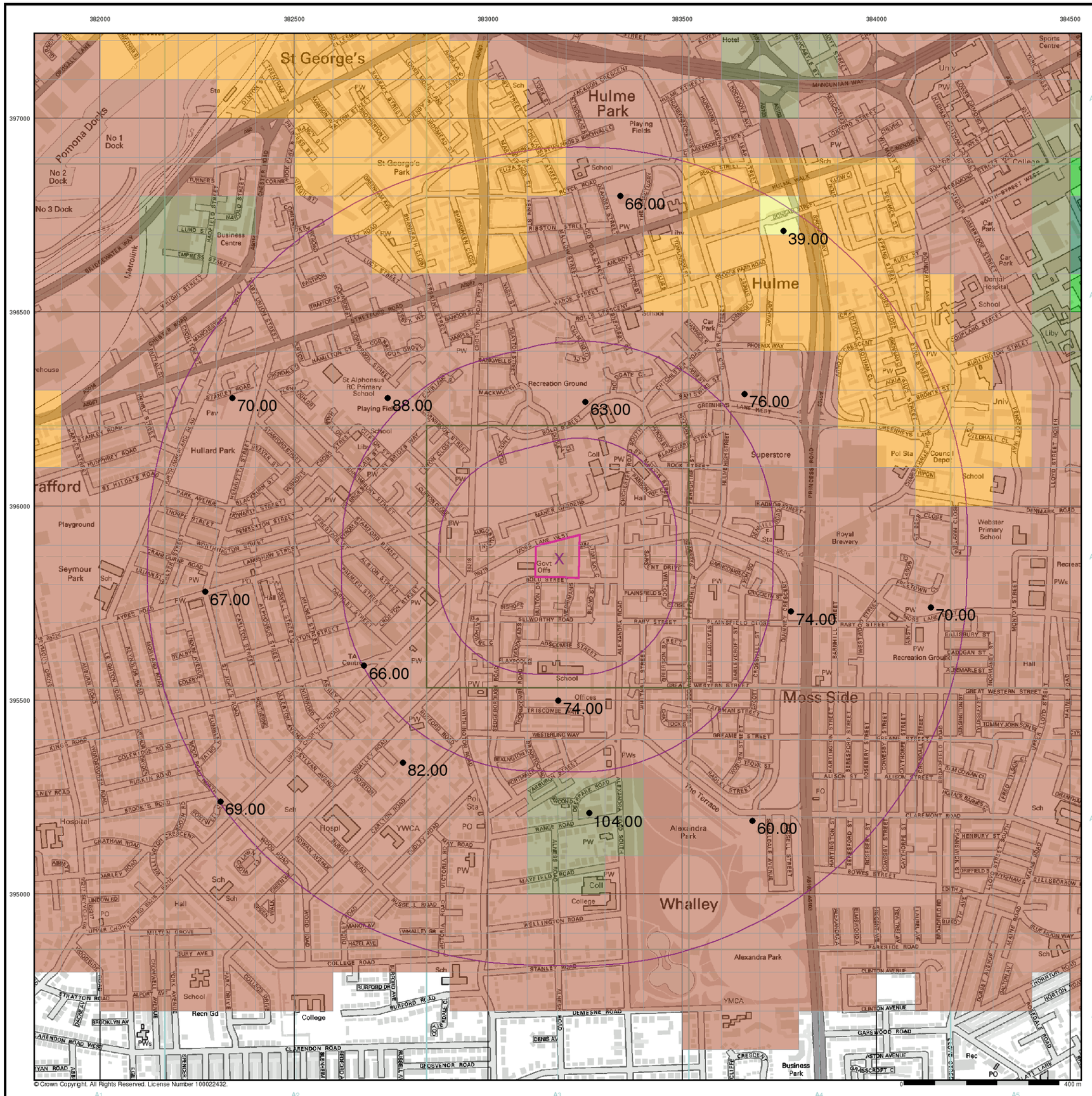


Envirocheck®

General

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

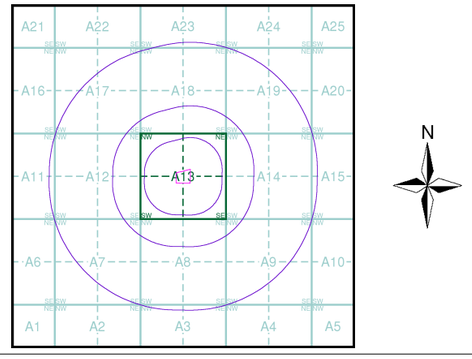
Urban Soil Chemistry Chromium

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Chromium Concentrations mg/kg

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

Urban Soil Chemistry Chromium - Slice A



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Web: www.envirocheck.co.uk



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General

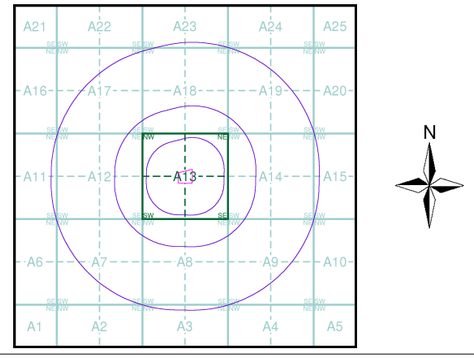
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A



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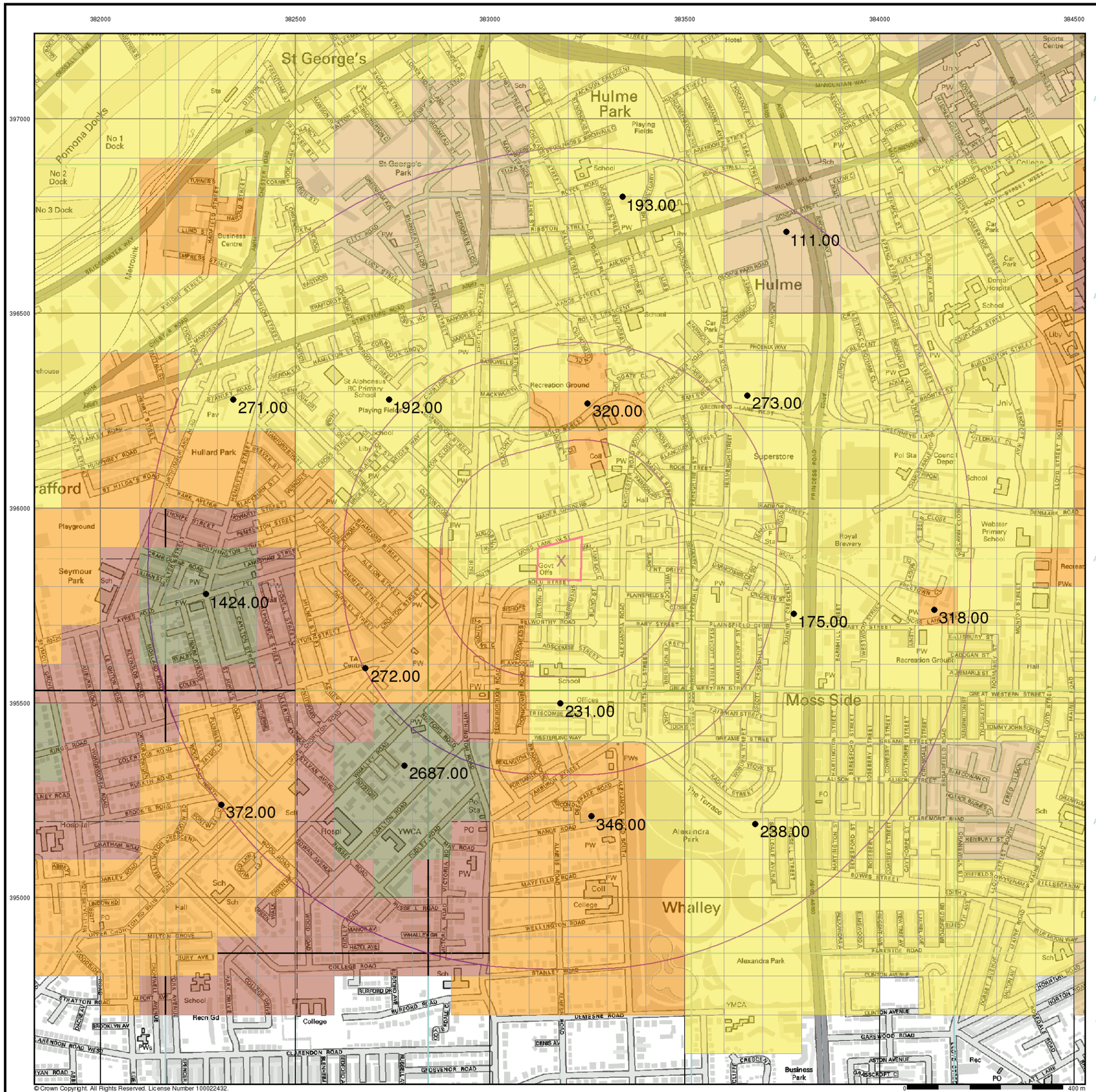


Envirocheck®

General

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

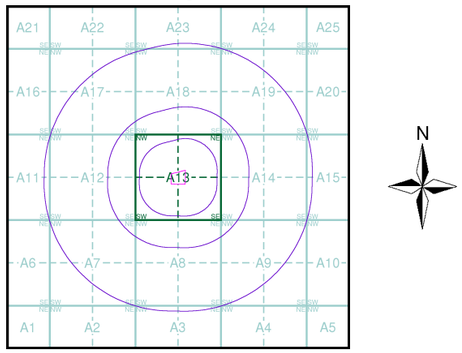
Urban Soil Chemistry Lead

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

Urban Soil Chemistry Lead - Slice A



Order Details

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National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
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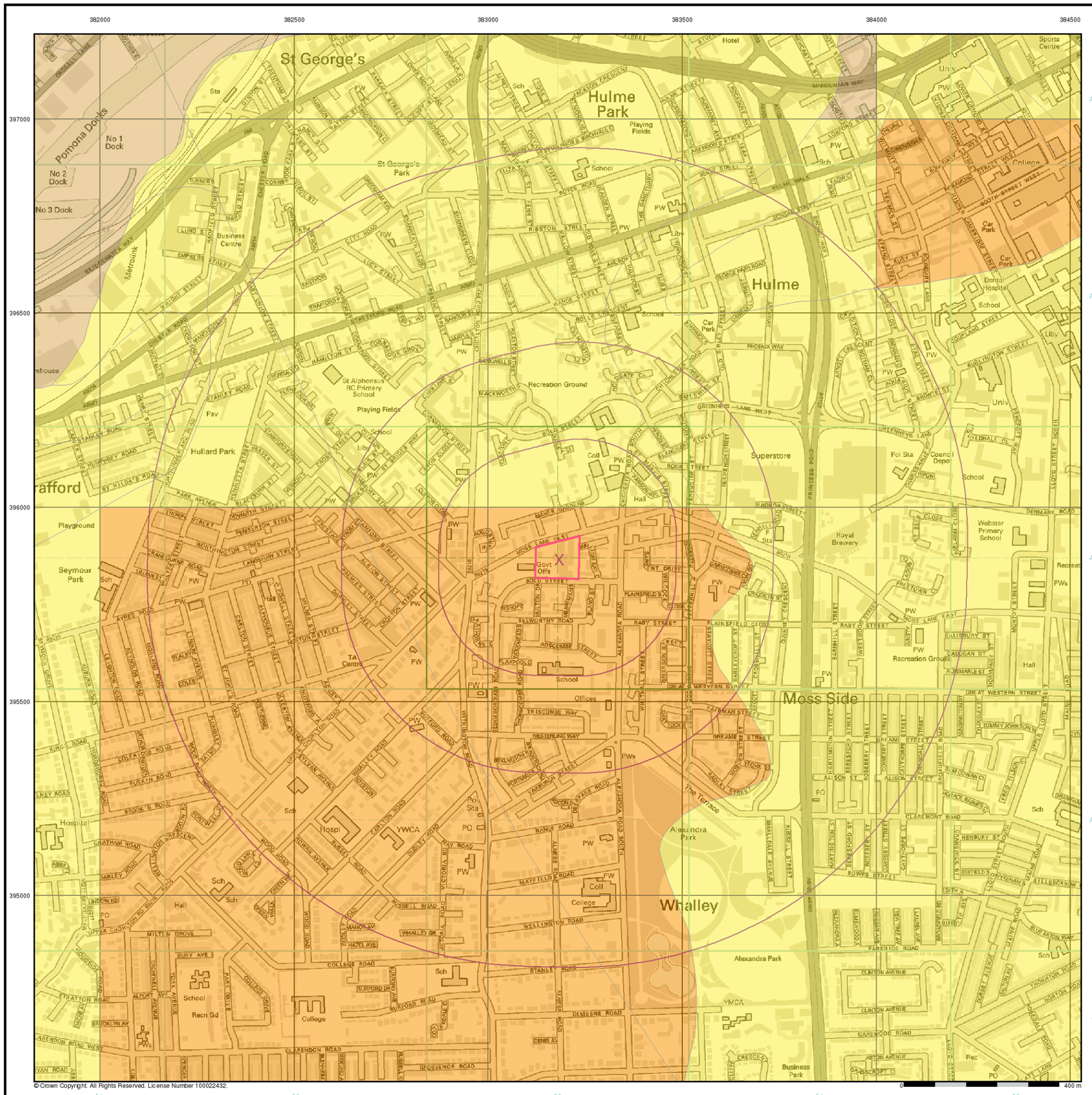


General

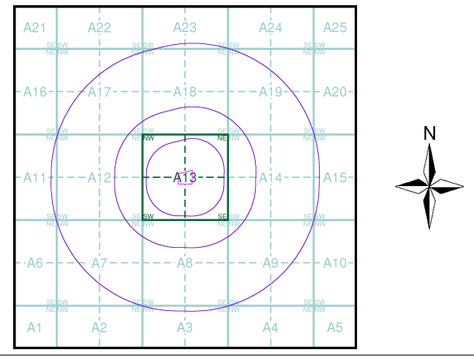
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- < 150
- 150 - 300
- 300 - 600
- 600 - 900
- > 900

Estimated Soil Chemistry Lead - Slice A



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Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
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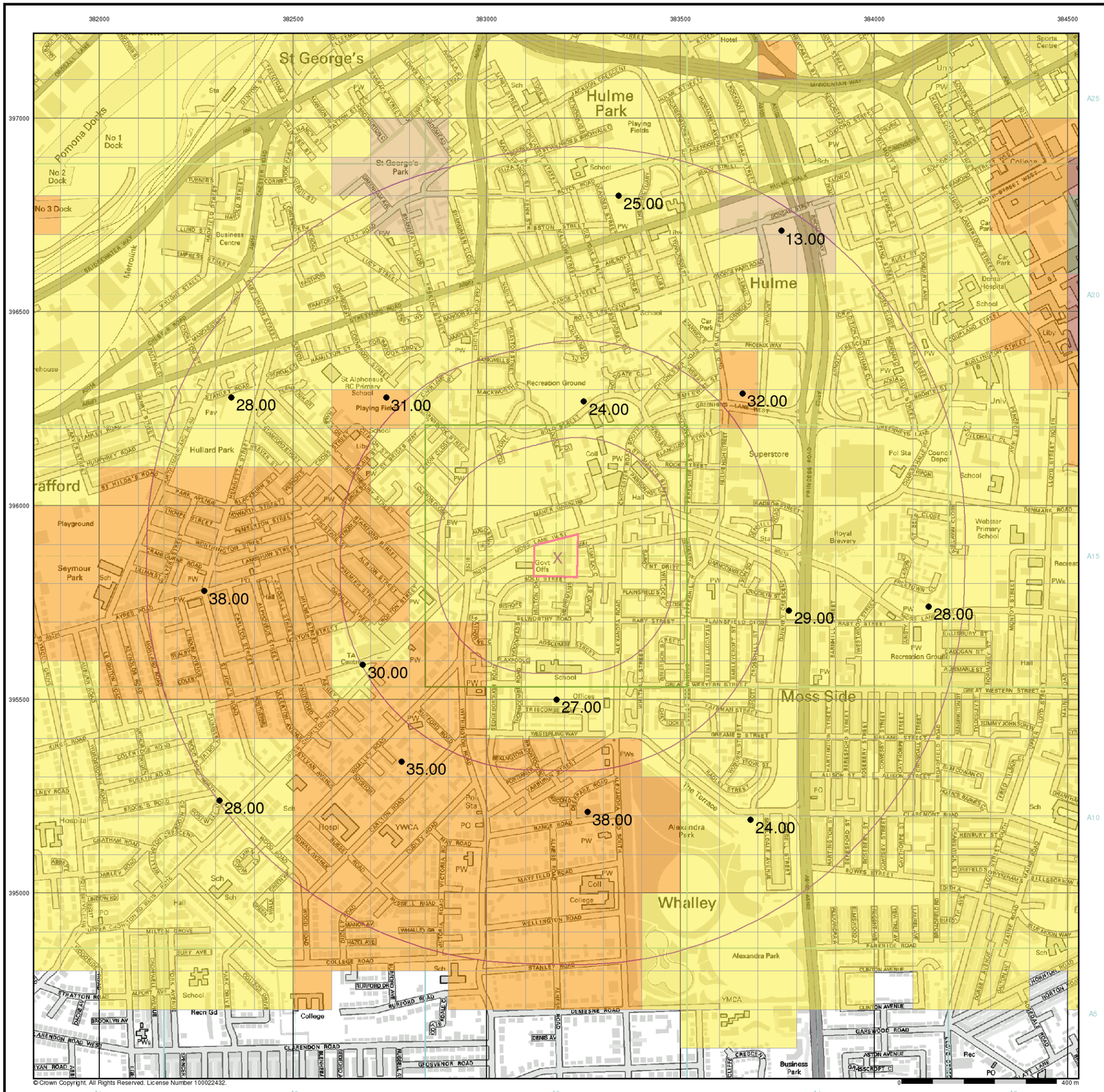


General

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

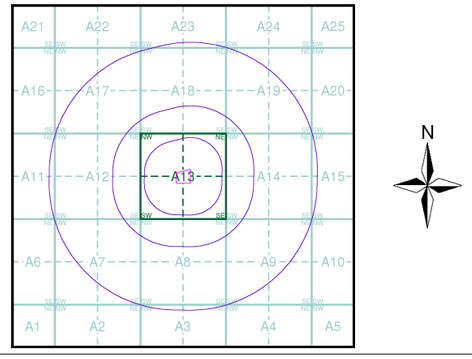
Urban Soil Chemistry Nickel

● BGS Urban Soil Chemistry Measured Concentration Values (mg/kg)

Nickel Concentrations mg/kg

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

Urban Soil Chemistry Nickel - Slice A



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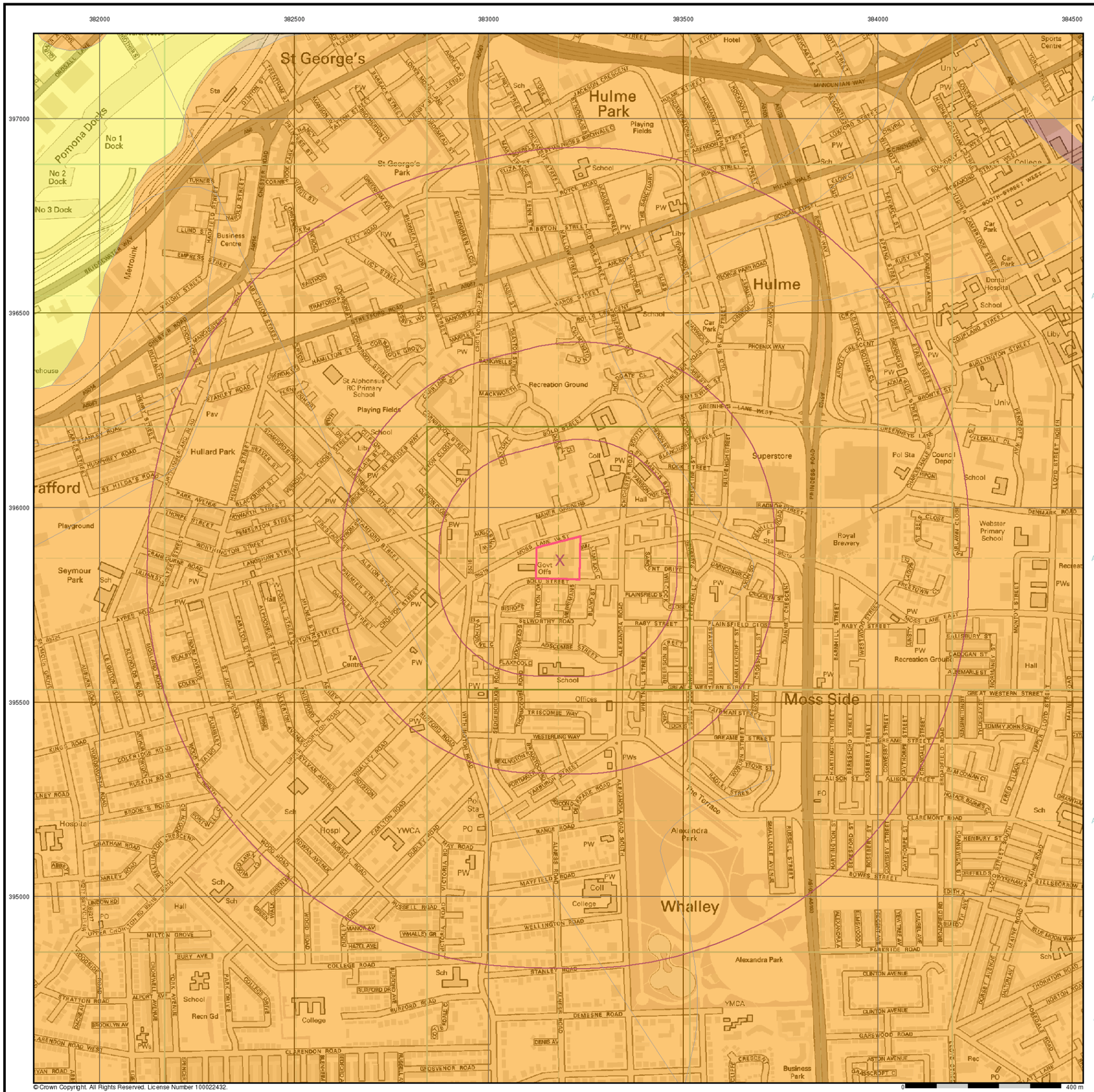


Envirocheck®

General

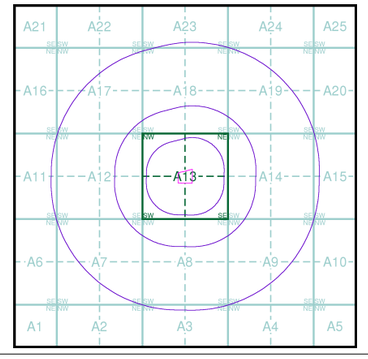
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

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

Estimated Soil Chemistry Nickel - Slice A



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Site Details

Moss Lane West, MANCHESTER, M15 5PQ

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

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

1:10,000 Raster Mapping

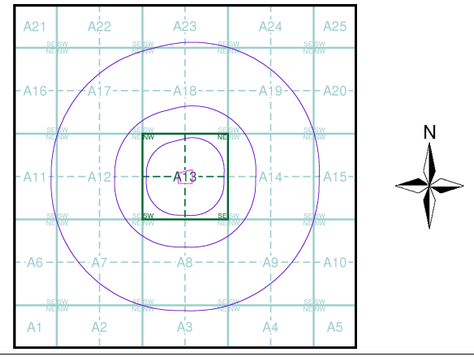
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

Envirocheck®

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 - 1896	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1908 - 1909	7
Cheshire	1:10,560	1911	8
Lancashire And Furness	1:10,560	1923	9
Lancashire And Furness	1:10,560	1932 - 1934	10
Cheshire	1:10,560	1938	11
Lancashire And Furness	1:10,560	1938	12
Ordnance Survey Plan	1:10,000	1955 - 1956	13
Ordnance Survey Plan	1:10,000	1966	14
Ordnance Survey Plan	1:10,000	1972	15
Manchester	1:25,000	1975	16
Ordnance Survey Plan	1:10,000	1980 - 1981	17
Ordnance Survey Plan	1:10,000	1985 - 1989	18
Ordnance Survey Plan	1:10,000	1989	19
Ordnance Survey Plan	1:10,000	1994	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2014	22

Historical Map - Slice A



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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
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation
- 243,8 — Values for prominent elevations
- 186.0 — Numbers for spot elevations, depth soundings, contour lines, etc.
- 0,2 — Velocity of the current, width of river bed, depth of river
- Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

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

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

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

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

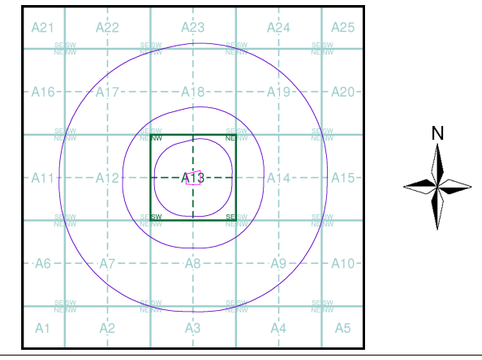
Key to Numbers on Mapping

Envirocheck®

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 - 1896	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1908 - 1909	7
Cheshire	1:10,560	1911	8
Lancashire And Furness	1:10,560	1923	9
Lancashire And Furness	1:10,560	1932 - 1934	10
Cheshire	1:10,560	1938	11
Lancashire And Furness	1:10,560	1938	12
Ordnance Survey Plan	1:10,000	1955 - 1956	13
Ordnance Survey Plan	1:10,000	1966	14
Ordnance Survey Plan	1:10,000	1972	15
Manchester	1:25,000	1975	16
Ordnance Survey Plan	1:10,000	1980 - 1981	17
Ordnance Survey Plan	1:10,000	1985 - 1989	18
Ordnance Survey Plan	1:10,000	1989	19
Ordnance Survey Plan	1:10,000	1994	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2014	22

Russian Map - Slice A



Order Details

Order Number: 62993067_1_1
Customer Ref: GSI 0397 IW EC 161214
National Grid Reference: 383180, 395870
Slice: A
Site Area (Ha): 1.07
Search Buffer (m): 1000

Site Details

Moss Lane West, MANCHESTER, M15 5PQ

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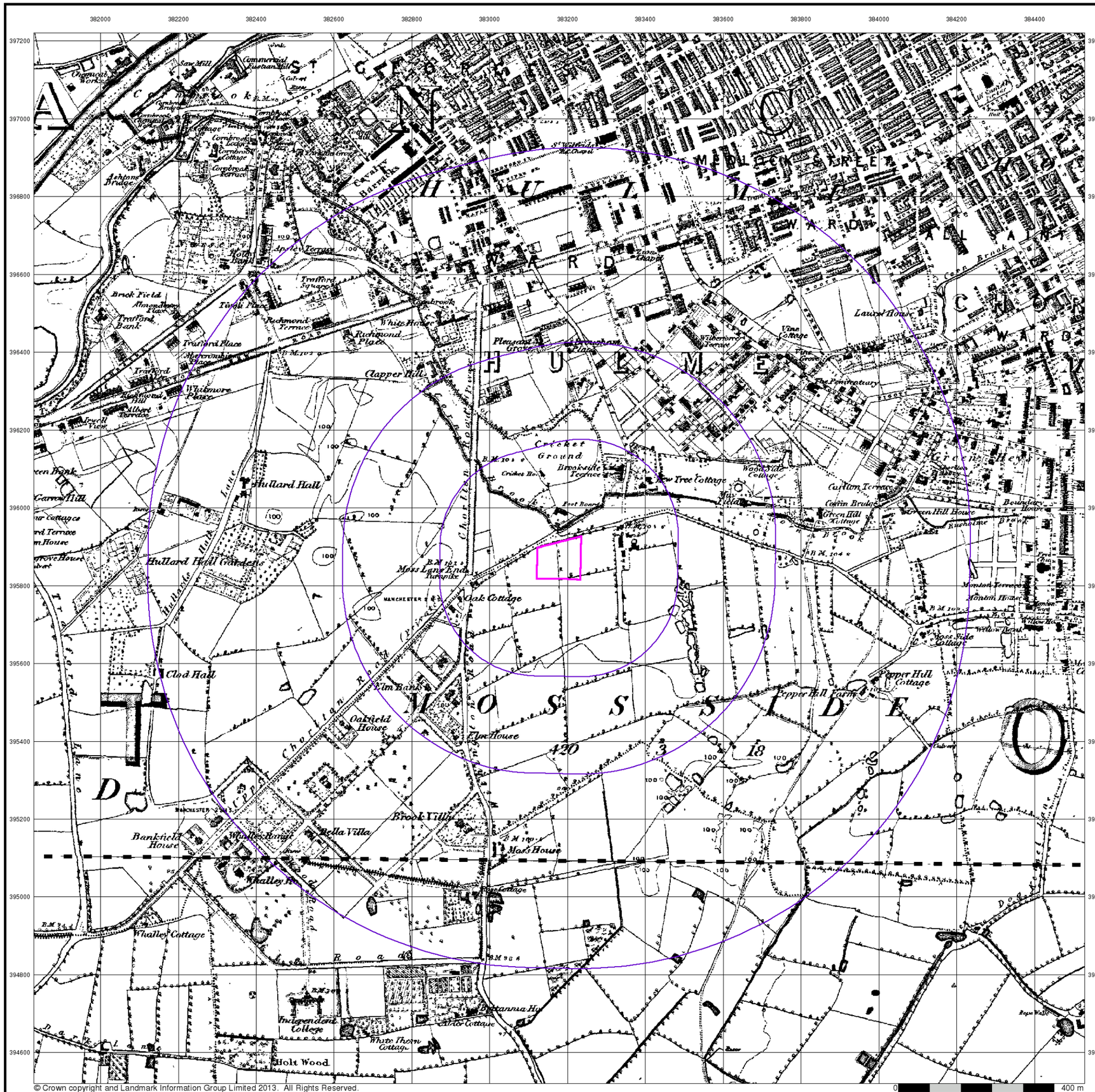
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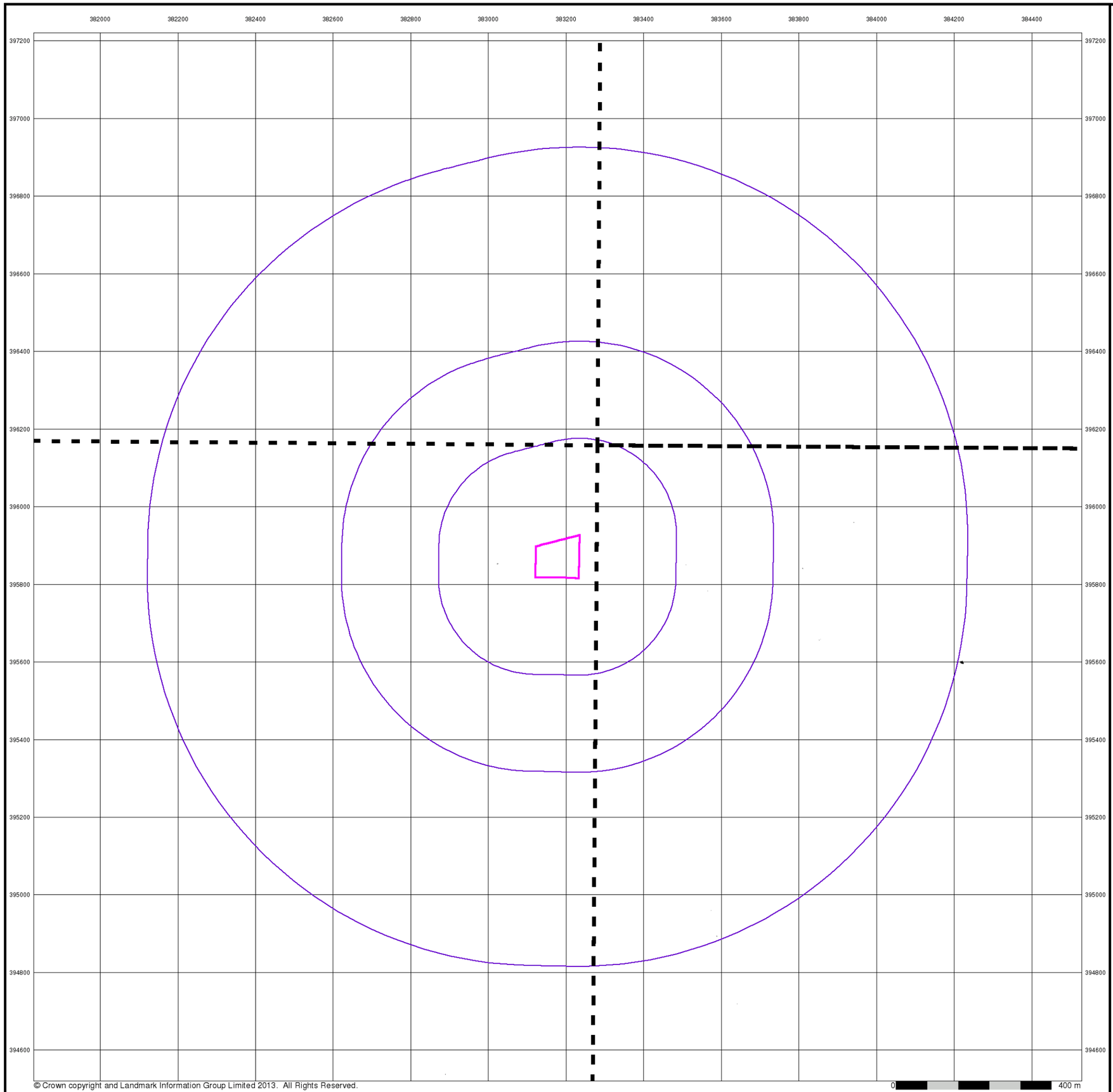
396800
396600
396400
396200
396000
395800
395600
395400
395200
395000
394800
394600
Hullard Hall
Hullard Hall Gardens
Clod Hall
Oakfield House
Elm House
Elm Bank
Brook Villa
Bella Villa
Bankfield House
Moss House
Whalley Cottage
Holt Wood
Oak Cottage
Pepper Hill Cottage
Pepper Hill Farm
Cricket Ground
Brookville Terrace
Richmond Terrace
Richmond Place
Trafford Square
Trafford Bank
Trafford Place
Waltmore Place
Albert Terrace
Apsley Terrace
Royal Road
Clapper Hill
Pleasant Grove
Birnham Place
Vine Cottage
Laurel House
Wiberforce Terrace
Wood Side Cottage
New Tree Cottage
Castillon Terrace
Green Hill Cottage
Green Hill House
Boundary House
Cavalry Barracks
Ashtons Bridge
Commercial Fountain Hill
Saw Mill
Cambrook Terrace
Cambrook Cottage
Cambrook Lodge
Cambrook Bridge
Brick Field
Almondbury Place
Whalley Bridge
Britannia Ho
Independent College
White Thorn Cottage
Alder Cottage
Moss Lane West
Moss Lane East
Turnpike
Mauldeth Road
Chorlton Road
Hullard Lane
Whalley Range
Manchester Road
Dog Kennel
Footboard
Foot Board
Coffin Bridge
Cricket Bro
Fm
Ho
Cott
Terr
Pl
Sq
Bk
Br
Rd
Ln
Gdns
Coll
Ch
Mon
Tpk
Pav
Obsy
Sch
Wks
Mill
Barr
Gro
Hill
Brook
Cross Roads
Pavementary
Monton House
Monton Terrace
Boundary Stone
Boundary Wall
Foot Bridge



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Envirocheck®

Cheshire

Published 1882

Source map scale - 1:10,560

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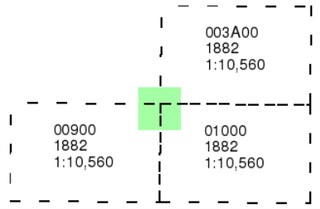
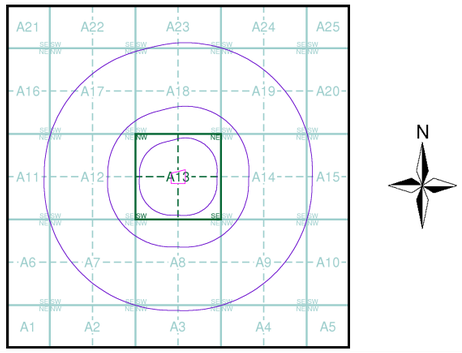
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	62993067_1_1
Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

Moss Lane West, MANCHESTER, M15 5PQ

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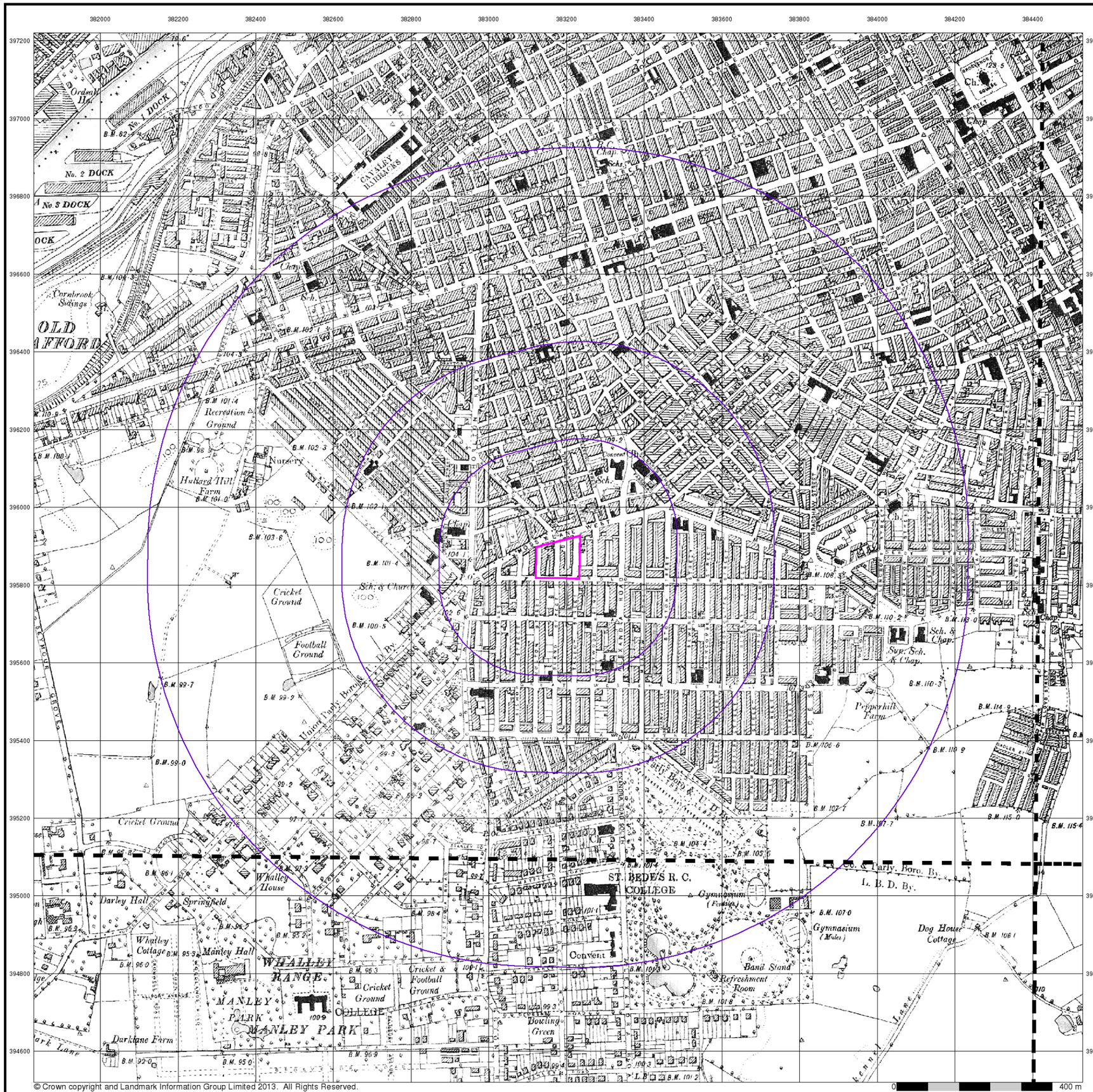

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Envirocheck®

Lancashire And Furness

Published 1894 - 1896

Source map scale - 1:10,560

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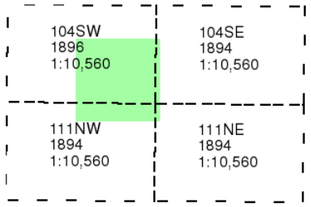
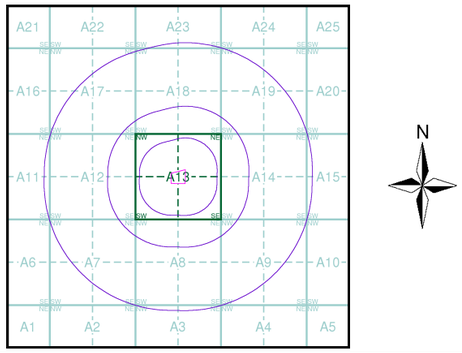


Historical Map - Slice A



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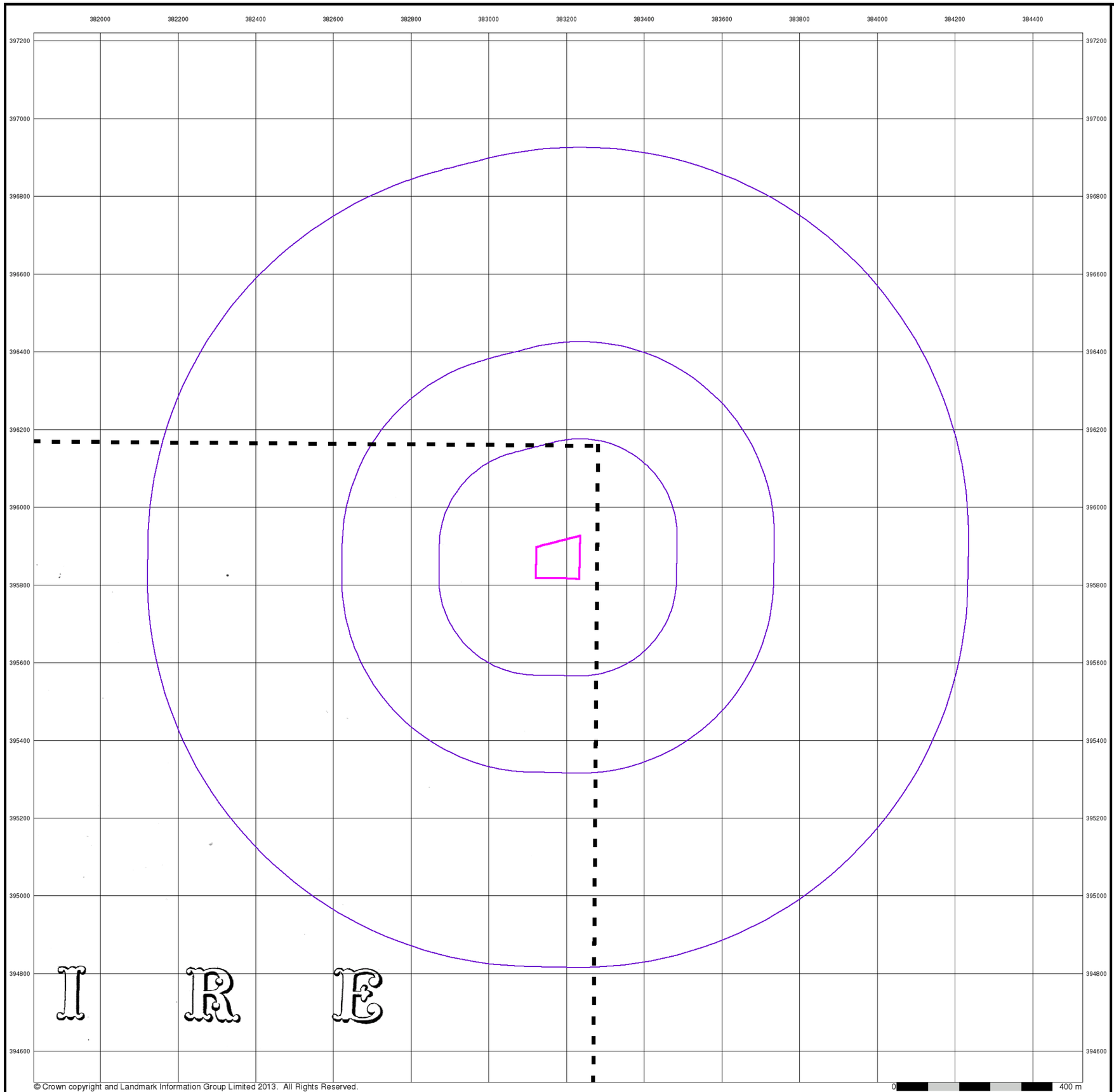

Envirocheck®

Cheshire

Published 1899

Source map scale - 1:10,560

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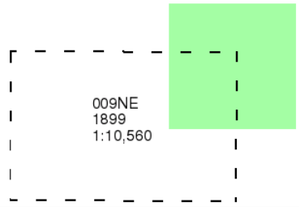
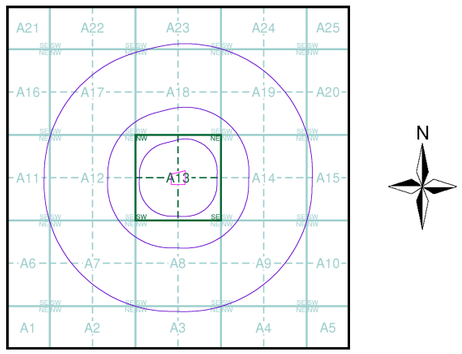
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	62993067_1_1
Customer Ref:	GSI 0397 IW EC 161214
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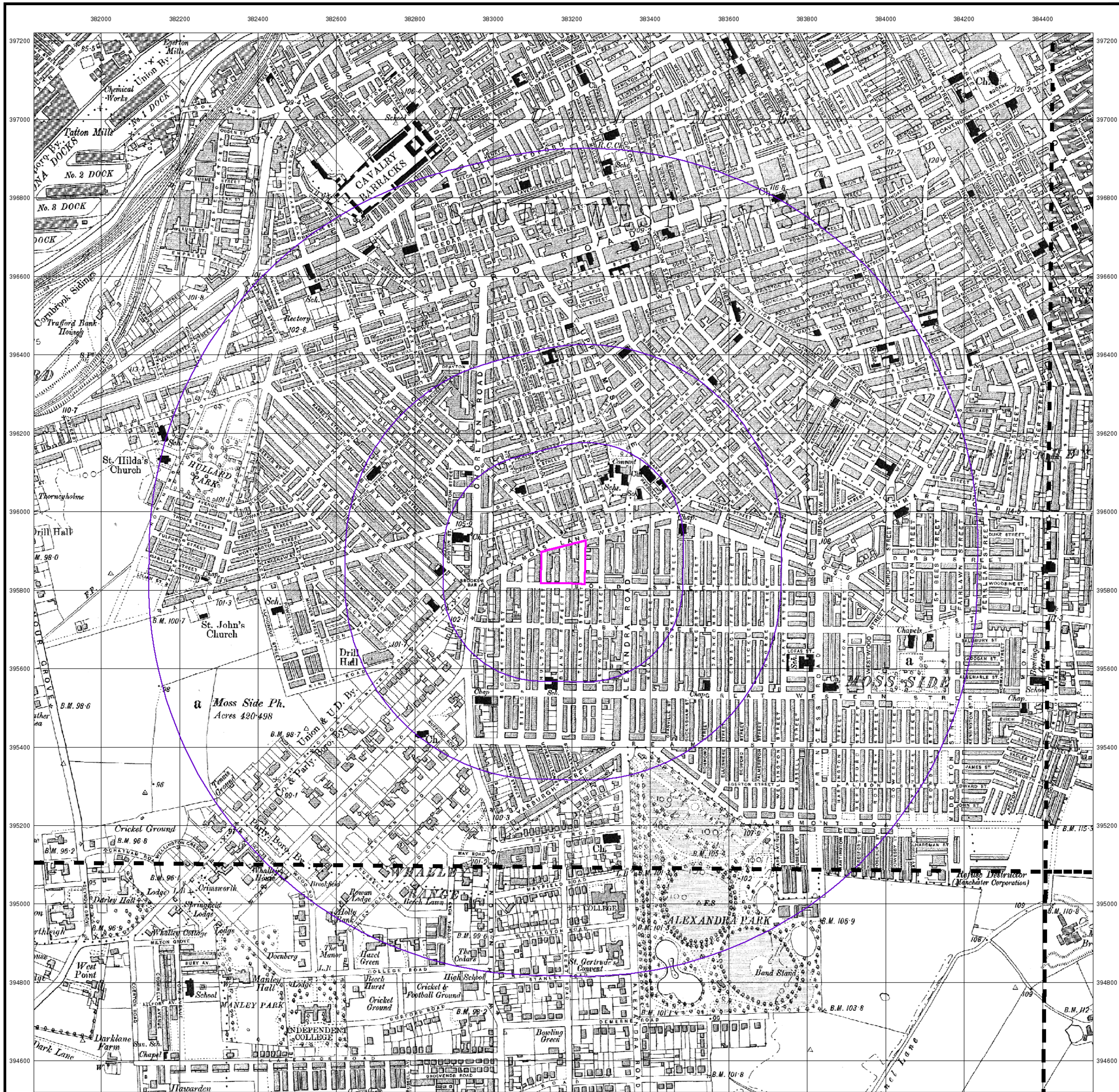

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Envirocheck®

Lancashire And Furness

Published 1908 - 1909

Source map scale - 1:10,560

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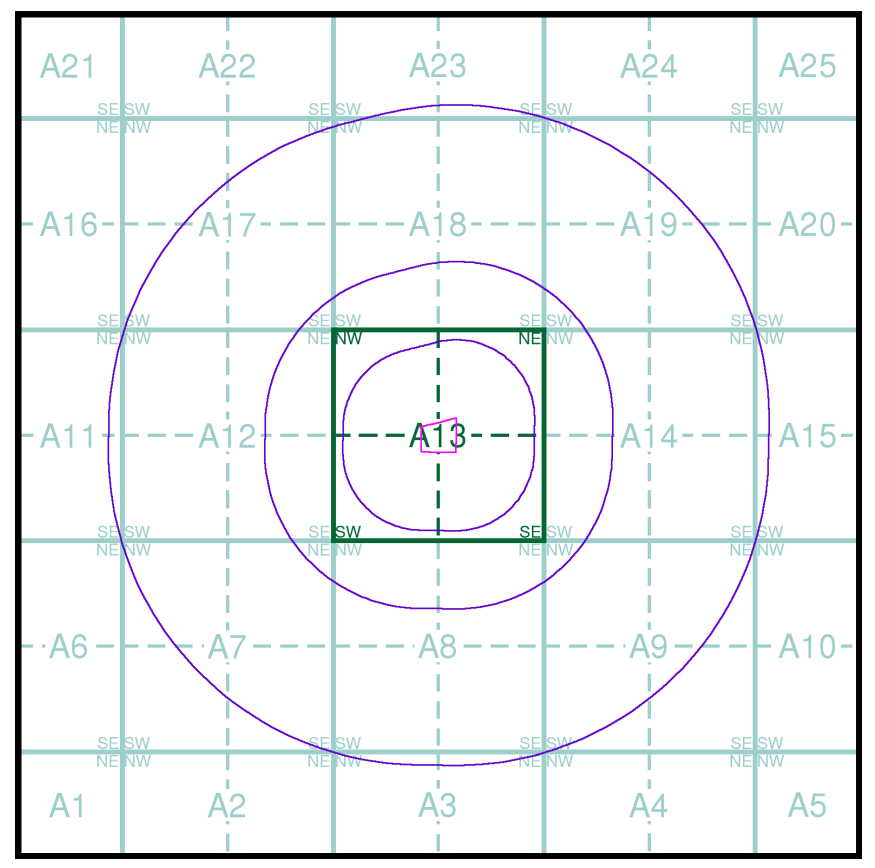
Map Name(s) and Date(s)

104SW 1909 1:10,560	104SE 1909 1:10,560
111NW 1908 1:10,560	111NE 1908 1:10,560

Historical Map - Slice A



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Order Details

Order Number: 62993067_1_1
Customer Ref: GSI 0397 IW EC 161214
National Grid Reference: 383180, 395870
Slice: A
Site Area (Ha): 1.07
Search Buffer (m): 1000

Site Details

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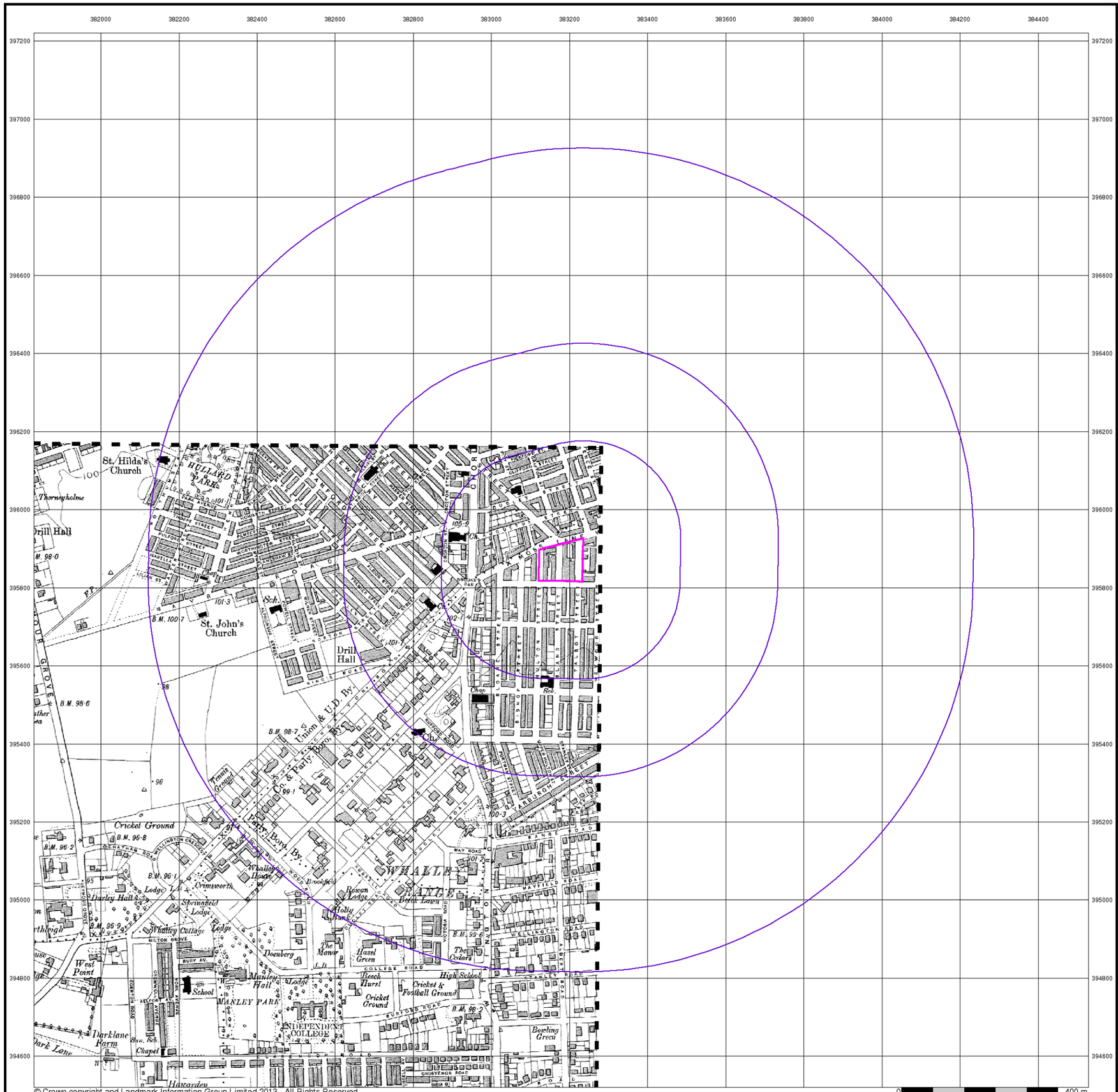

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Cheshire

Published 1911

Source map scale - 1:10,560

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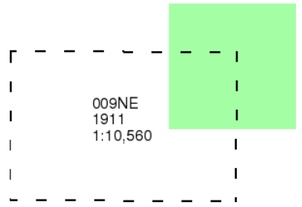
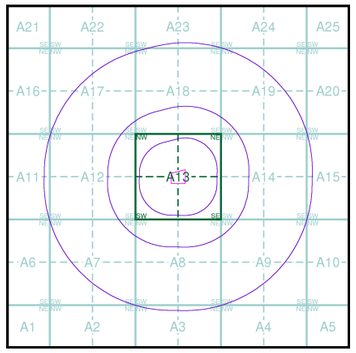
Map Name(s) and Date(s)



Historical Map - Slice A



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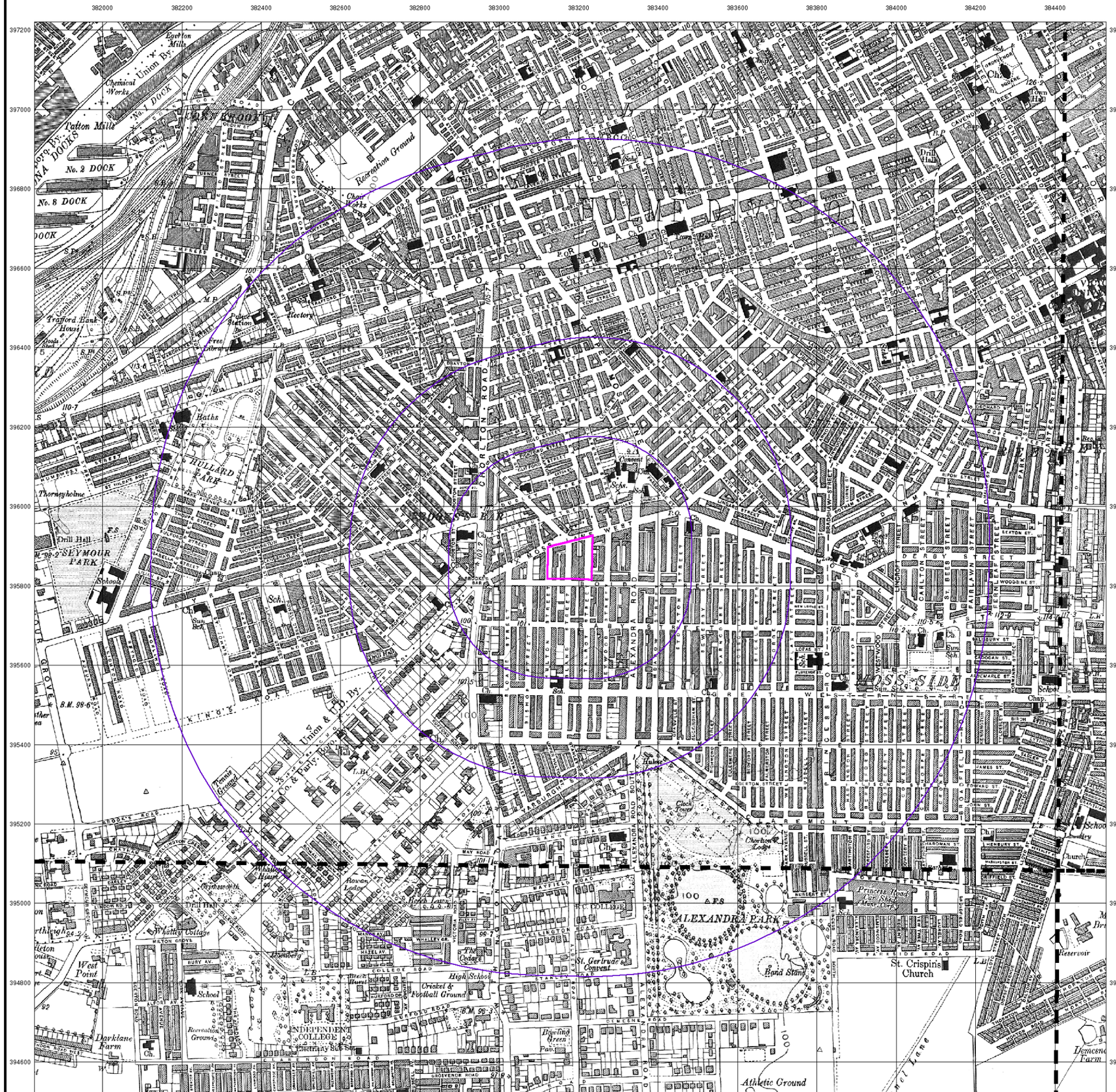

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Lancashire And Furness

Published 1923

Source map scale - 1:10,560

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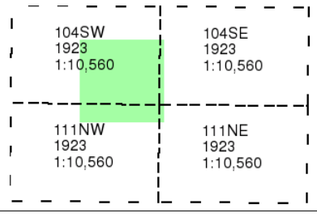
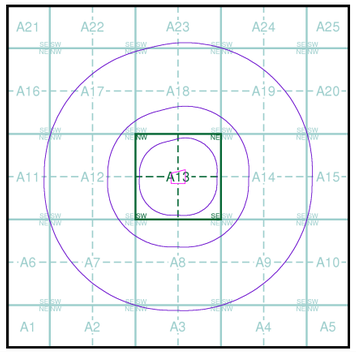
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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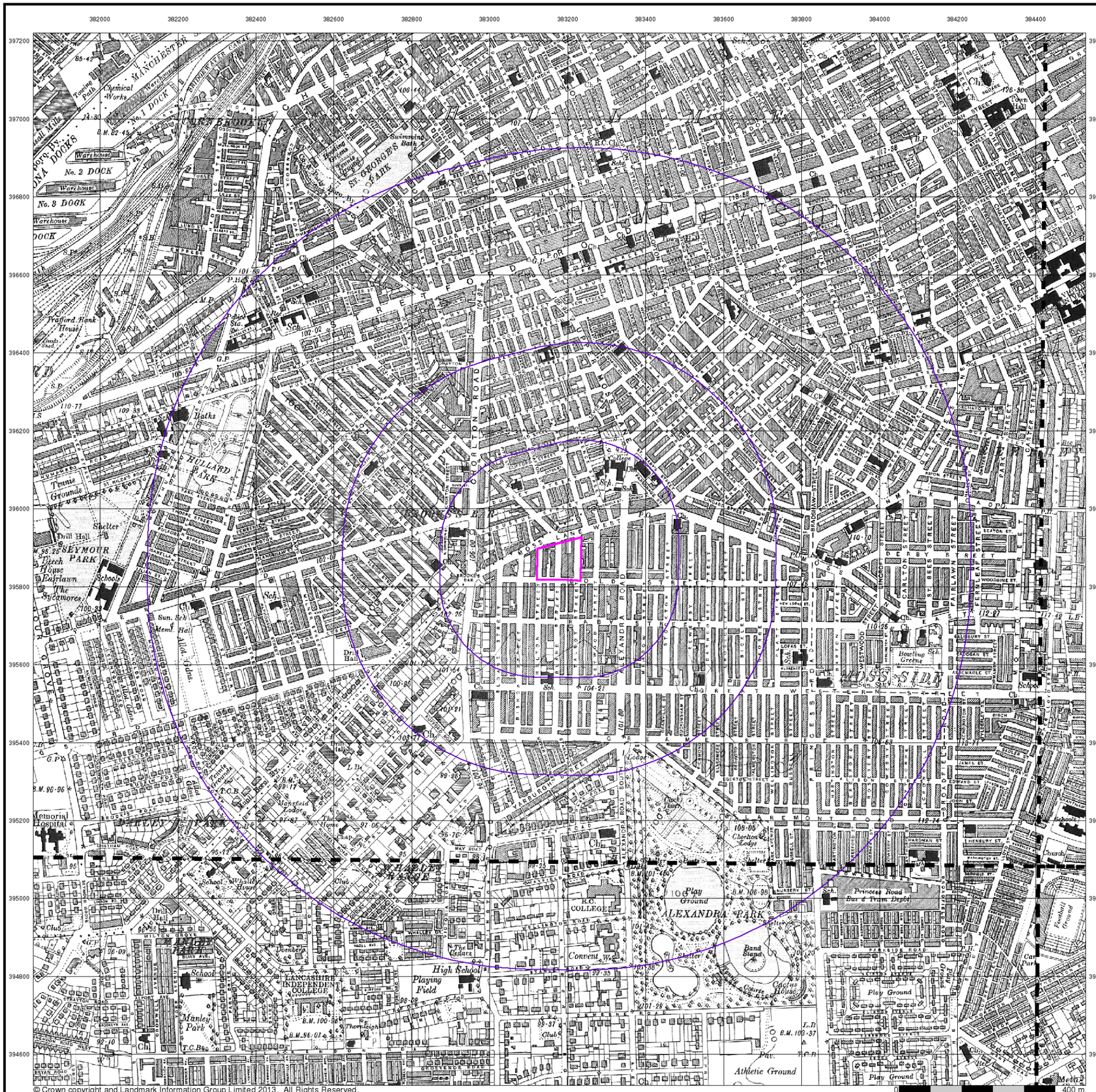

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Lancashire And Furness

Published 1932 - 1934

Source map scale - 1:10,560

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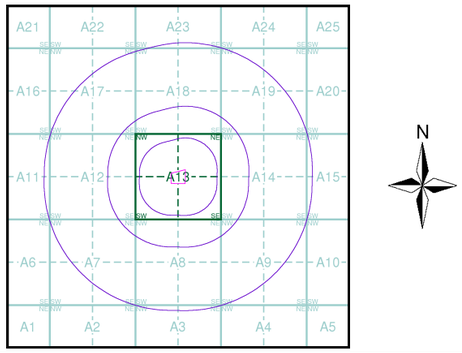
Map Name(s) and Date(s)

104SW 1932 1:10,560	104SE 1933 1:10,560
111NW 1934 1:10,560	111NE 1934 1:10,560

Historical Map - Slice A



Order Details

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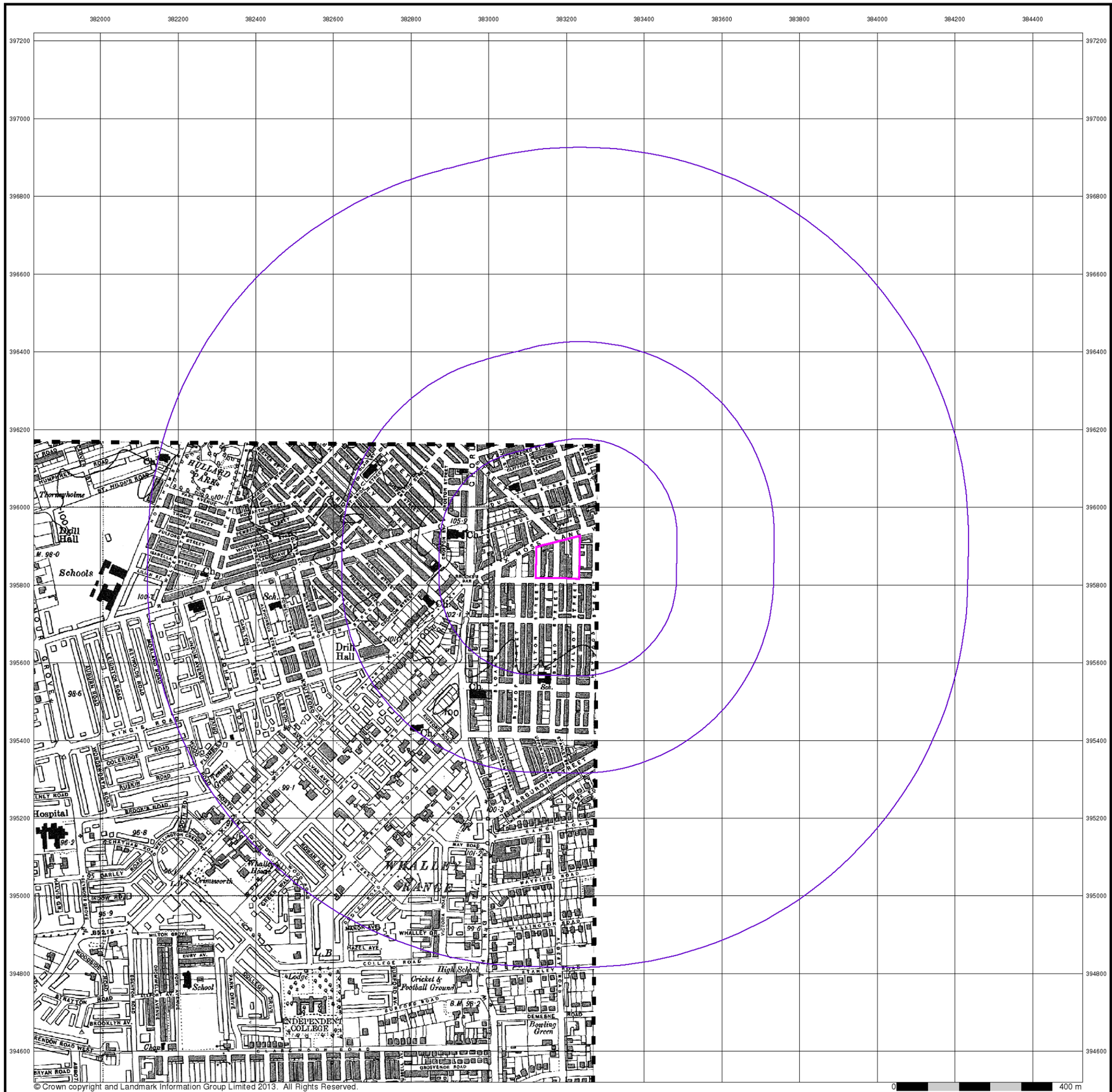

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Cheshire

Published 1938

Source map scale - 1:10,560

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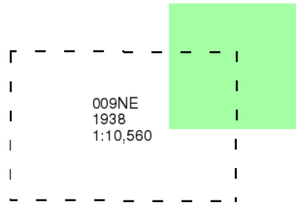
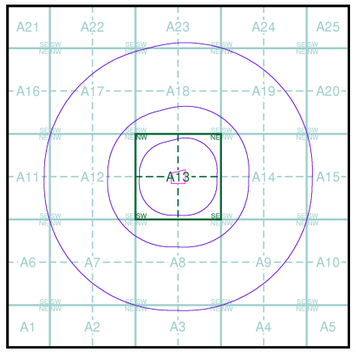


Historical Map - Slice A



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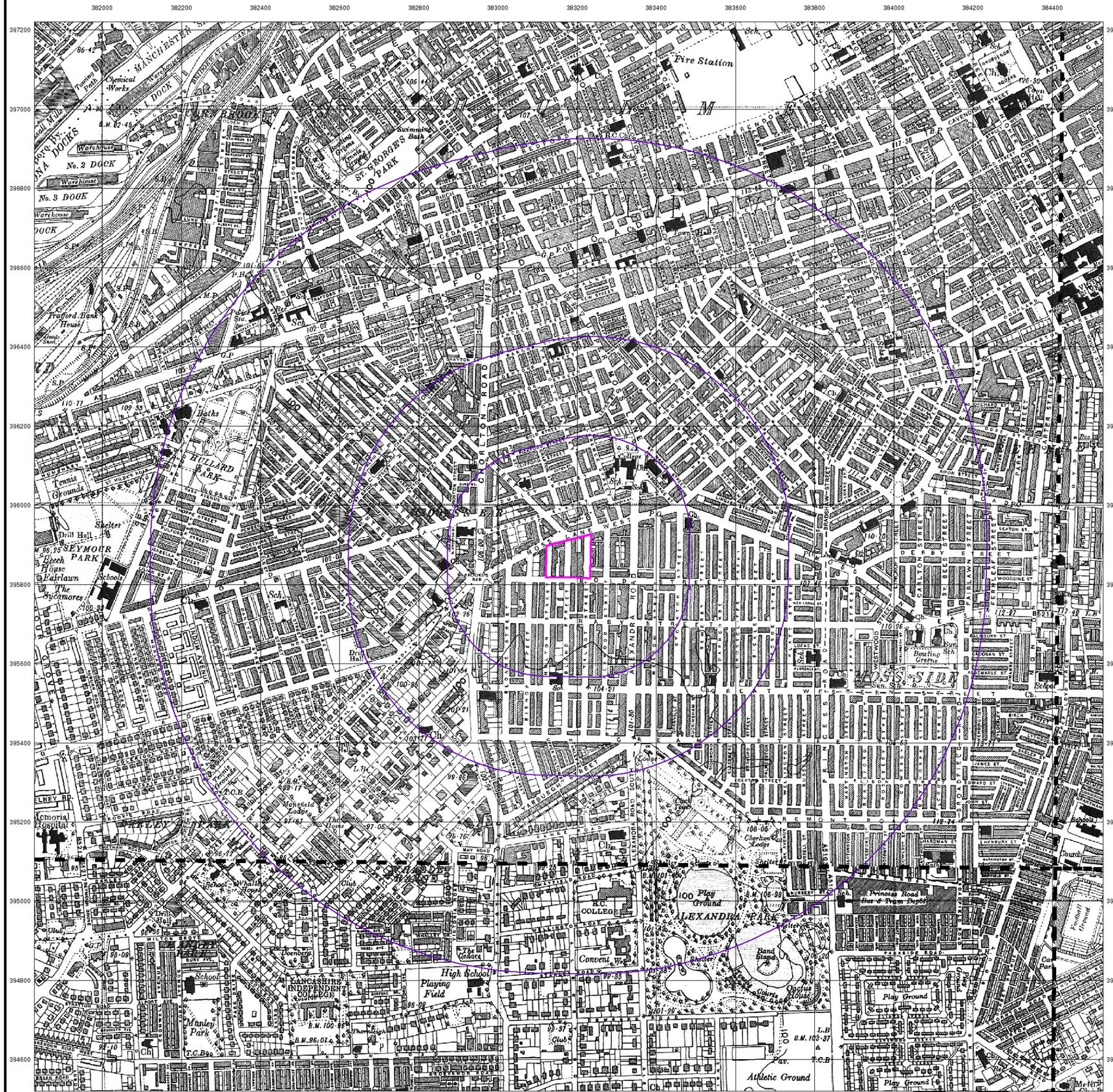
Web: www.envirocheck.co.uk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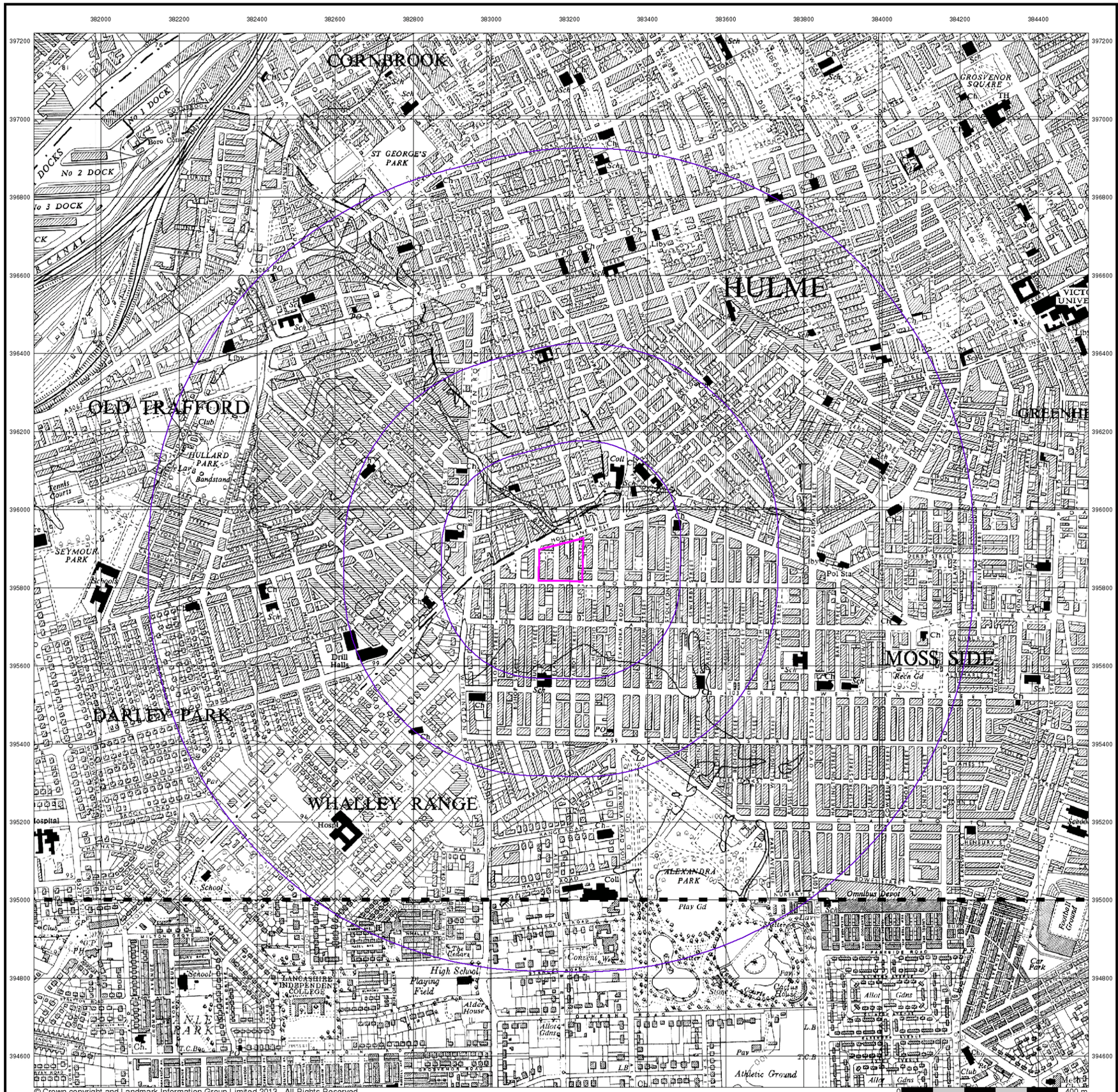
395000
394800
394600
Fire Station
MANCHESTER SHIP CANAL
No. 1 DOCK
No. 2 DOCK
No. 3 DOCK
DOCK
Warehouse
Swimming Bath
ST. GEORGE'S PARK
Trafford Bank House
Baths
HULLARD PARK
Tennis Grounds
Drill Hall
Shelter
SEYMOUR PARK
Beech House
Fairlawn
The Sycamores
Schools
Memorial Hospital
Whalley House
Club
Drill Hall
Manley Park
Playing Field
High School
LANCASHIRE INDEPENDENT COLLEGE
R.C. COLLEGE
Convent
The Grotto
ALEXANDRA PARK
100 Play Ground
Band Stand
Cactus House
Princess Road Bus & Tram Depot
Bowling Greens
Play Ground
Athletic Ground
Tennis Courts
Football Ground
Car Park
Church
Cherlton Lodge
Thornleigh
Doenberg
Hollyhurst
Fairfield
Lodge
Thorn Hill
Ch.
Sch.
Pav.
Sta.
Fn.
Ref.
Lib.
Cem.
Gdns.
Rec. Ground
Public Conveniences
Tram Shelter
Boiling House
Pumping Station
Chemical Works
Warehouses
Dwellings
Offices
Works
Stores
Yard
Depot
Factory
Mill
Dock
Quay
Basin
Bridge
Tunnel
Railway
Station
Goods Station
Sidings
Signal Box
Turntable
Crane
Gasometer
Reservoir
Tank
Pump
Well
Spring
Boundary Stone
Milestone
Post Office
Telegraph Office
Telephone
Letter Box
Public House
Hotel
Inn
Restaurant
Cafe
Shop
Bank
Market
Cinema
Theatre
Library
Museum
Art Gallery
Police Station
Fire Station
Hospital
Surgery
Dispensary
Clinic
Nursing Home
Asylum
Workhouse
Prison
Court House
Town Hall
Guildhall
Council Offices
Public Offices
Embassy
Consulate
Vice Consulate
Trade Office
Agency
Office
Exchange
Corn Exchange
Cattle Market
Slaughter House
Abattoir
Knacker's Yard
Tannery
Brewery
Distillery
Maltings
Bonded Warehouse
Free Warehouse
Cold Store
Ice House
Refrigerator
Laundry
Dry Cleaning
Fumigation
Disinfecting
Sterilizing
Incinerator
Destructor
Refuse Disposal
Sewage Works
Filter Beds
Settling Tanks
Outfall
Pumping Station
Gasworks
Electricity Works
Power Station
Transformer
Substation
Switch
Overhead Line
Underground Cable
Telegraph Line
Telephone Line
Wireless
Aerial
Mast
Tower
Spire
Steeple
Minaret
Dome
Cupola
Turret
Battlement
Crenellation
Arch
Bridge
Viaduct
Aqueduct
Culvert
Ford
Ferry
Pier
Jetty
Wharf
Landing Stage
Boat House
Slipway
Dry Dock
Graving Dock
Floating Dock
Pontoon
Buoy
Beacon
Lighthouse
Lightship
Fog Signal
Anchorage
Mooring
Harbour
Port
Roadstead
Channel
Shoal
Sandbank
Rock
Reef
Wreck
Obstruction
Danger Area
Restricted Area
Prohibited Area
Anchorage Area
Mooring Area
Harbour Area
Port Area
Roadstead Area
Channel Area
Shoal Area
Sandbank Area
Rock Area
Reef Area
Wreck Area
Obstruction Area



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Ordnance Survey Plan

Published 1955 - 1956

Source map scale - 1:10,000

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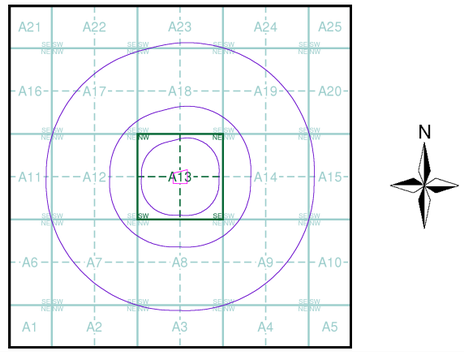
Map Name(s) and Date(s)

SJ89NW
1956
1:10,560

SJ89SW
1955
1:10,560

Historical Map - Slice A



Order Details

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Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

Moss Lane West, MANCHESTER, M15 5PQ

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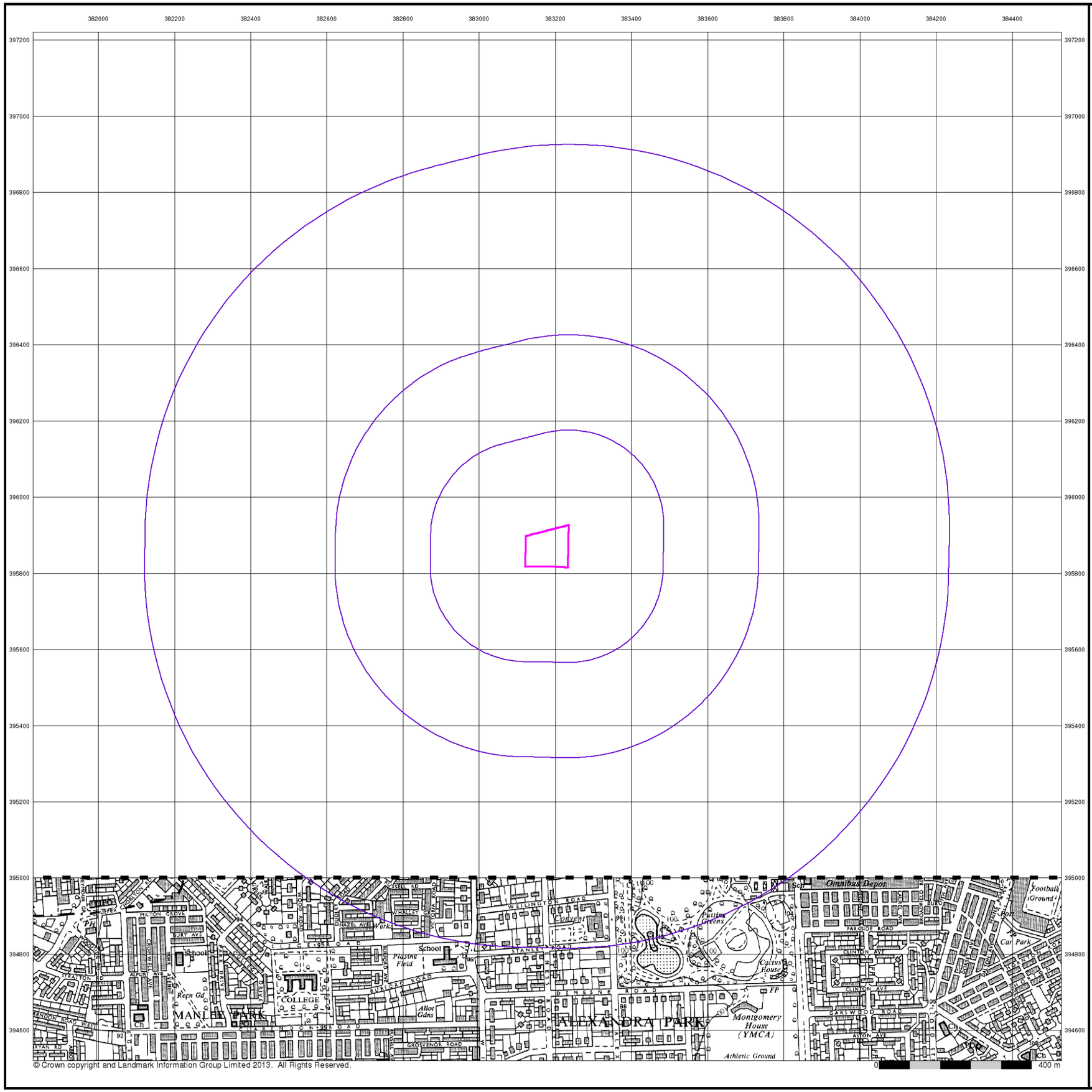

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Ordnance Survey Plan

Published 1966

Source map scale - 1:10,000

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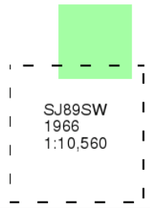
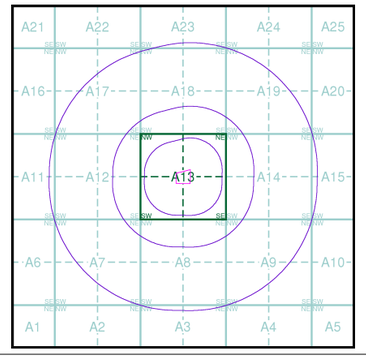
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	62993067_1_1
Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

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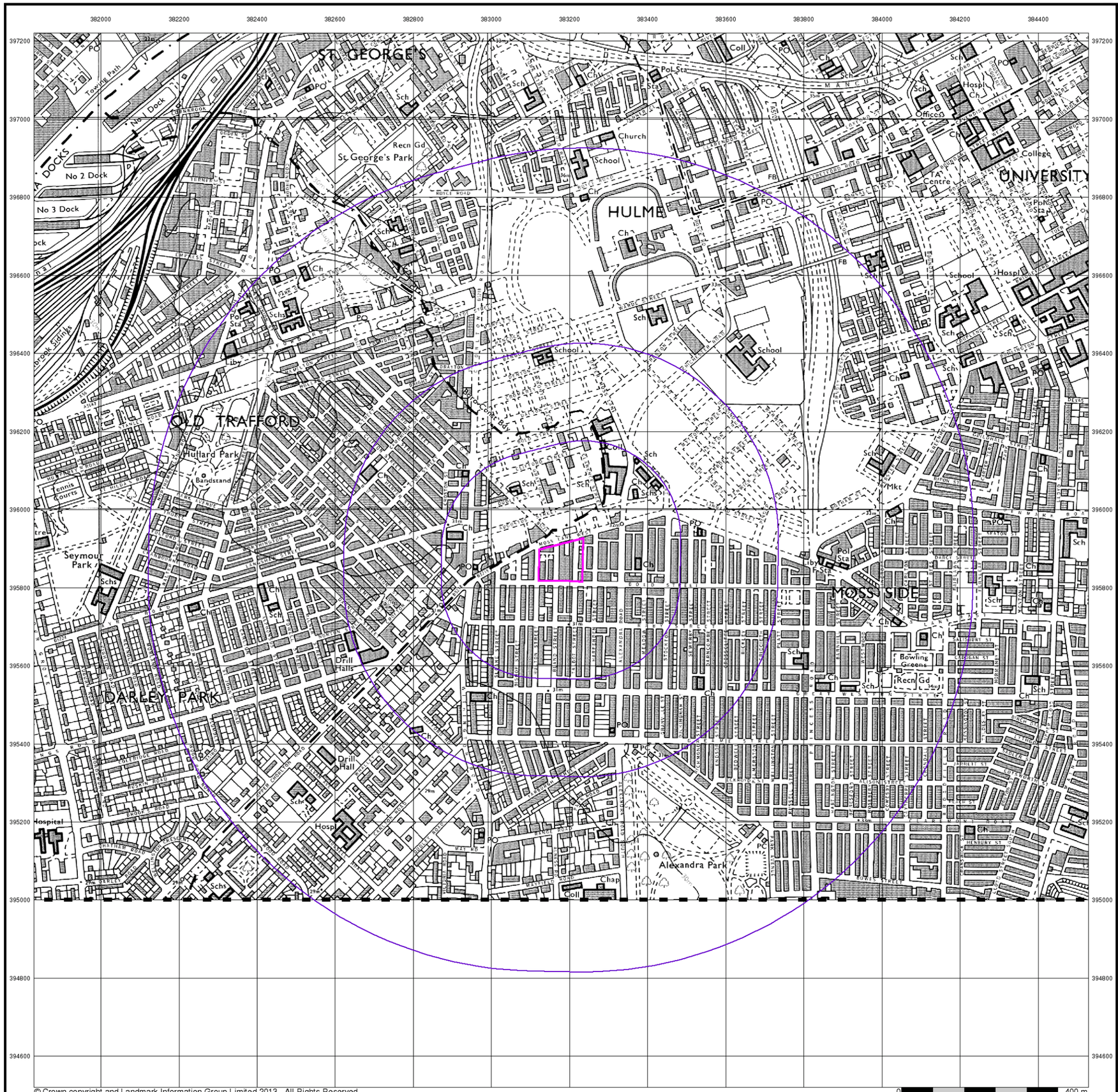

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Ordnance Survey Plan

Published 1972

Source map scale - 1:10,000

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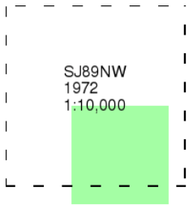
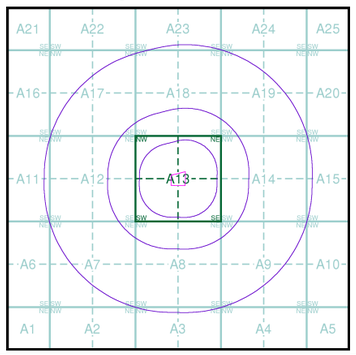
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	62993067_1_1
Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

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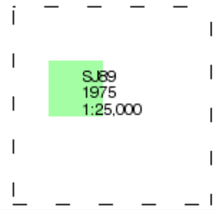
Manchester

Published 1975

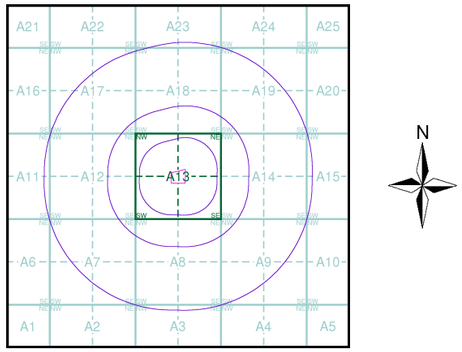
Source map scale - 1:25,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

Order Number:	62993067_1_1
Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

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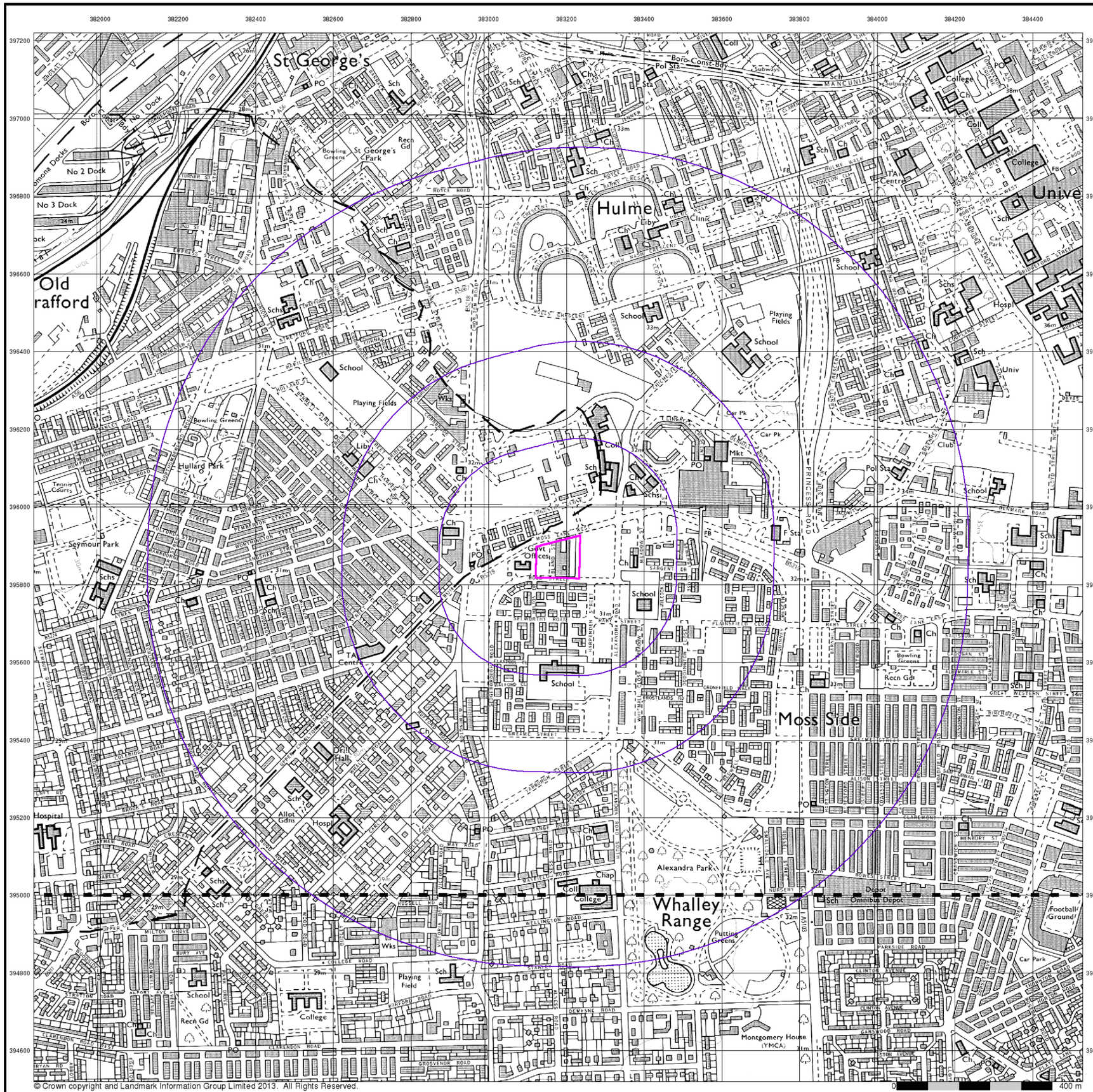

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Ordnance Survey Plan

Published 1980 - 1981

Source map scale - 1:10,000

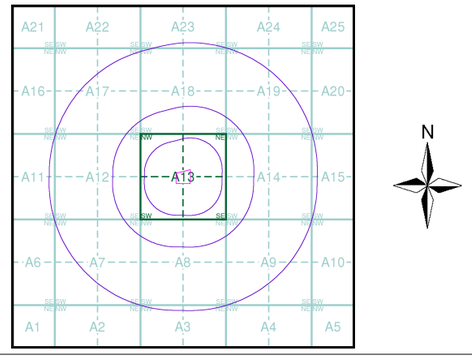
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

SJ89NW
1980
1:10,000

SJ89SW
1981
1:10,000

Historical Map - Slice A



Order Details

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National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

Moss Lane West, MANCHESTER, M15 5PQ

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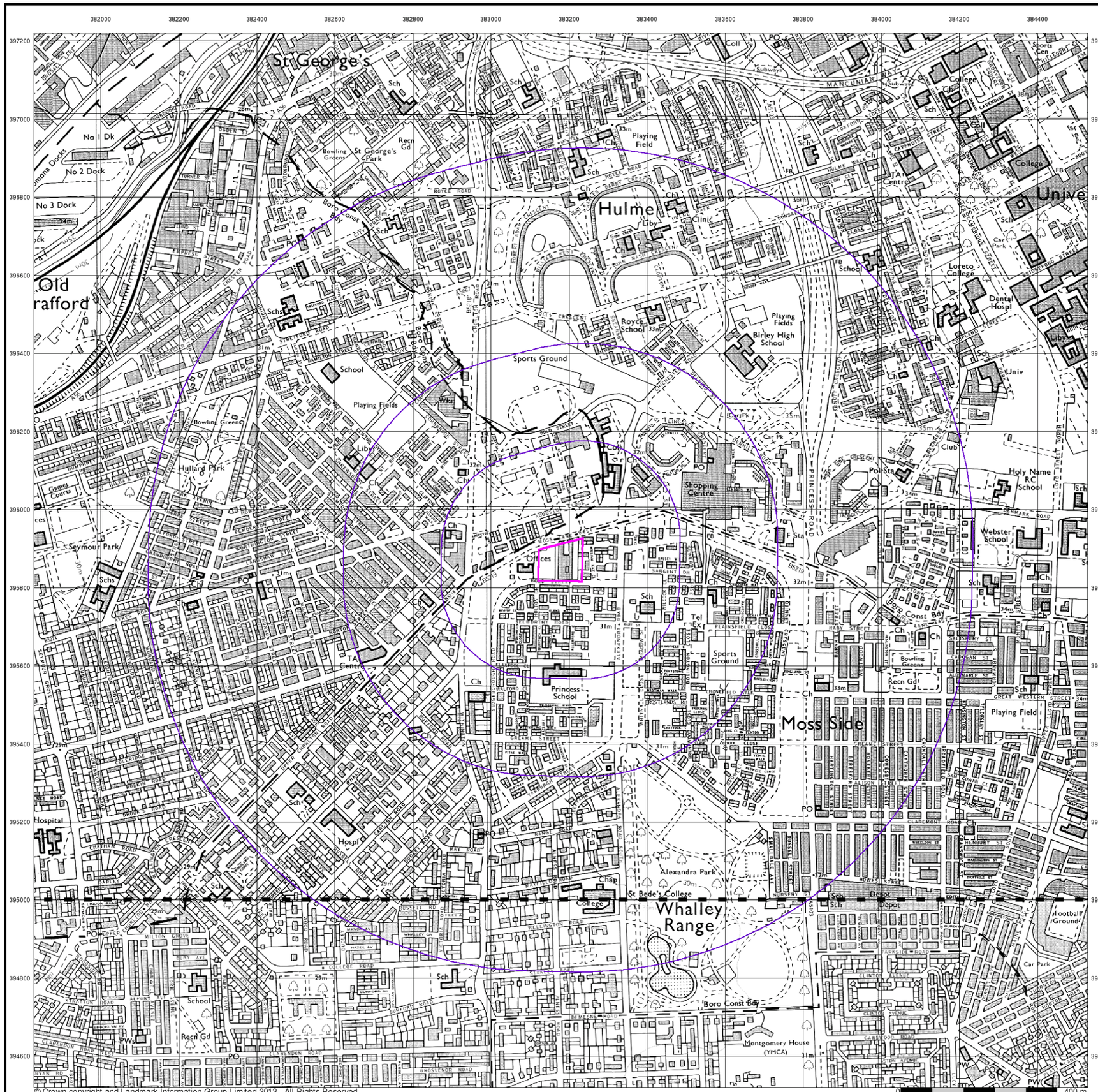

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Ordnance Survey Plan

Published 1985 - 1989

Source map scale - 1:10,000

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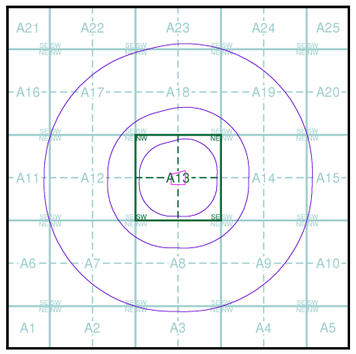
Map Name(s) and Date(s)

SJ89NW
1985
1:10,000

SJ89SW
1989
1:10,000

Historical Map - Slice A



Order Details

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Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
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Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

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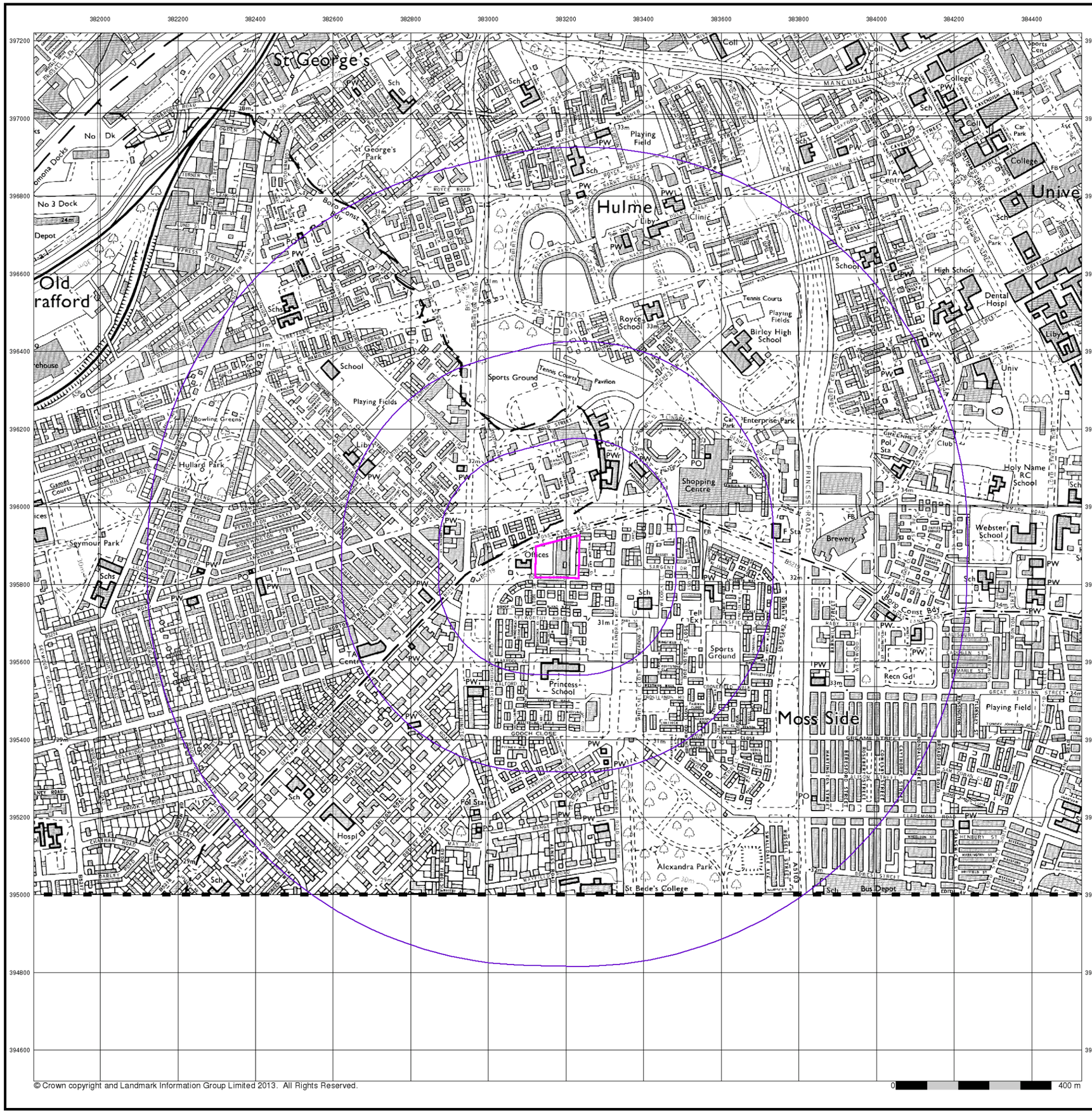
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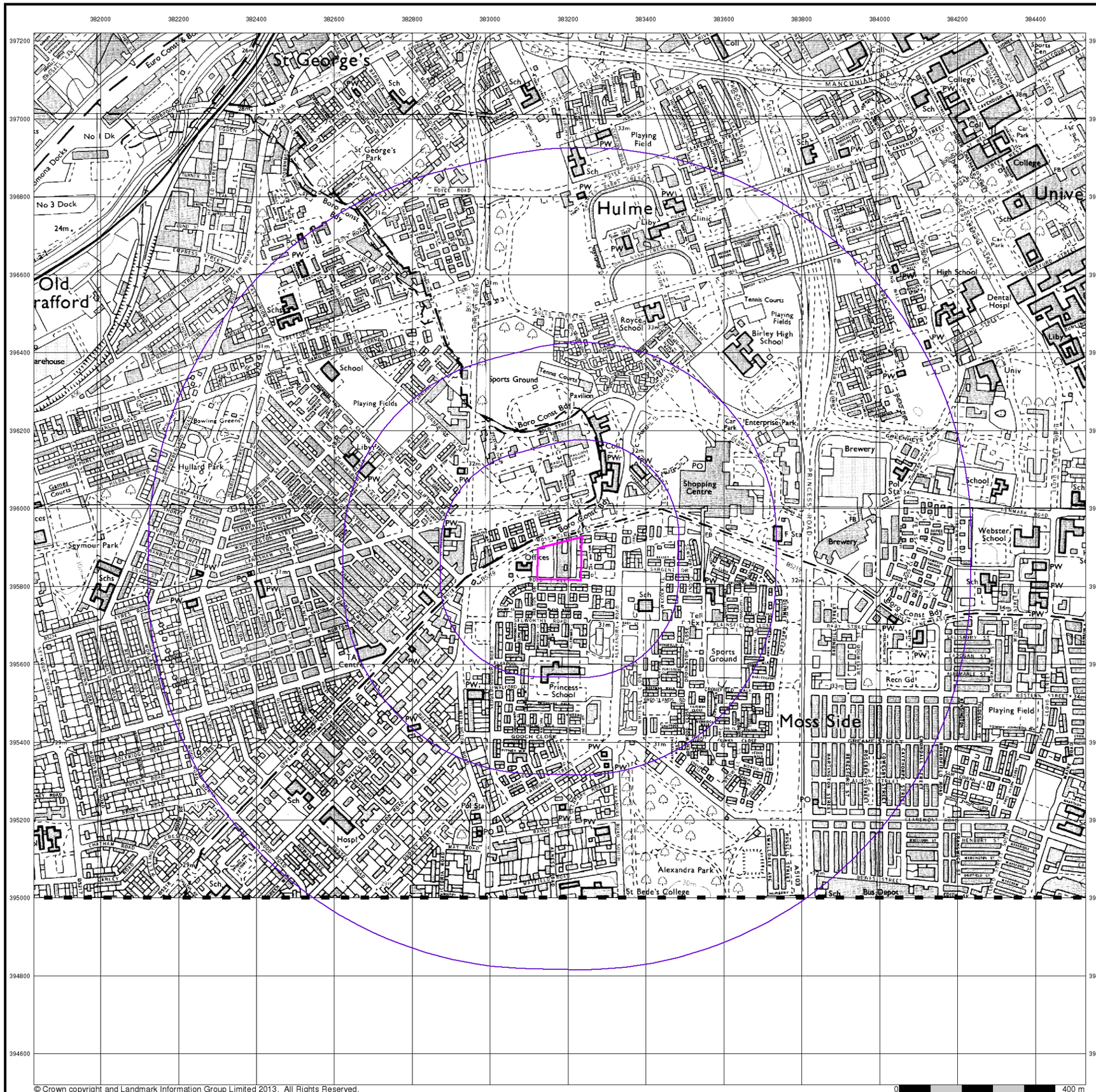
395000
394800
394600
St George's
St George's Park
Hulme
Old Trafford
Moss Side
Alexandra Park
Playing Field
Royce School
Birley High School
Princess School
Hullard Park
Seymour Park
Shopping Centre
Enterprise Park
Sports Ground
Tennis Courts
Playing Fields
Bowling Greens
Games Courts
Offices
Brewery
Webster School
Holy Name RC School
Dental Hospl
High School
Univ
College
TA Centre
Recn Gd
Bus Depot
St Bede's College
Mancunian Way
Princess Road
Stretford Road
Upper Brook Street
Great Western Street
Grosvenor Street
Oxford Road
Cavendish Street
Moss Lane West
Moss Lane East
Boyle Street
Pavilion
Clinic
Liby
Pol Sta
F Sta
Tell Ex
Car Park
Subways
No 3 Dock
Depot
Hospl
Sch
PW
PO
Coll
Univ
Liby
Recn Gd
Tennis Courts
Playing Fields
Sports Ground
Pavilion
Shopping Centre
Enterprise Park
Holy Name RC School
Webster School
Dental Hospl
High School
Playing Field
Bus Depot
St Bede's College
Alexandra Park
Princess School
Offices
Brewery
Hullard Park
Seymour Park
Old Trafford
Moss Side
Hulme
St George's
St George's Park
Royce School
Birley High School
TA Centre
College
Univ
Liby
Clinic



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Ordnance Survey Plan

Published 1994

Source map scale - 1:10,000

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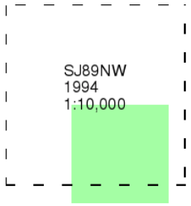
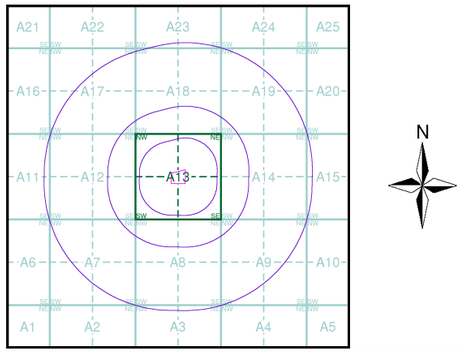
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	62993067_1_1
Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

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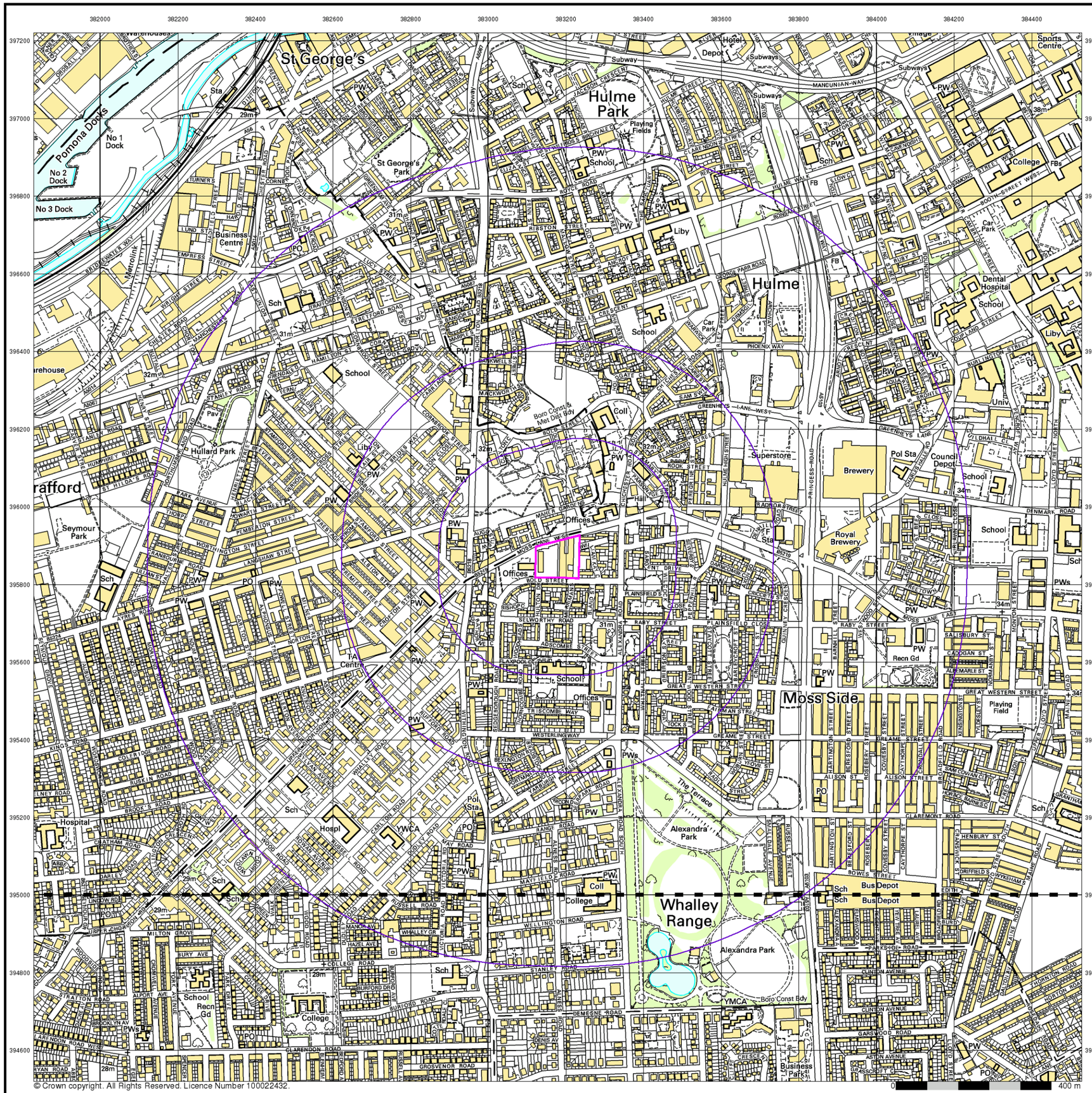


Envirocheck®

10k Raster Mapping

Published 2006

Source map scale - 1:10,000

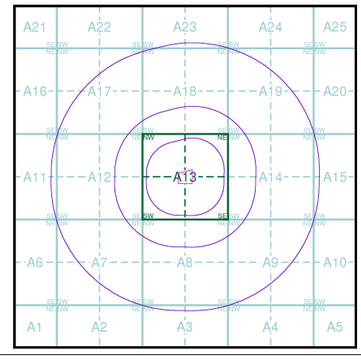
The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks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

Map Name(s) and Date(s)

SJ89NW
2006
1:10,000

SJ89SW
2006
1:10,000

Historical Map - Slice A



Order Details

Order Number:	62993067_1_1
Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

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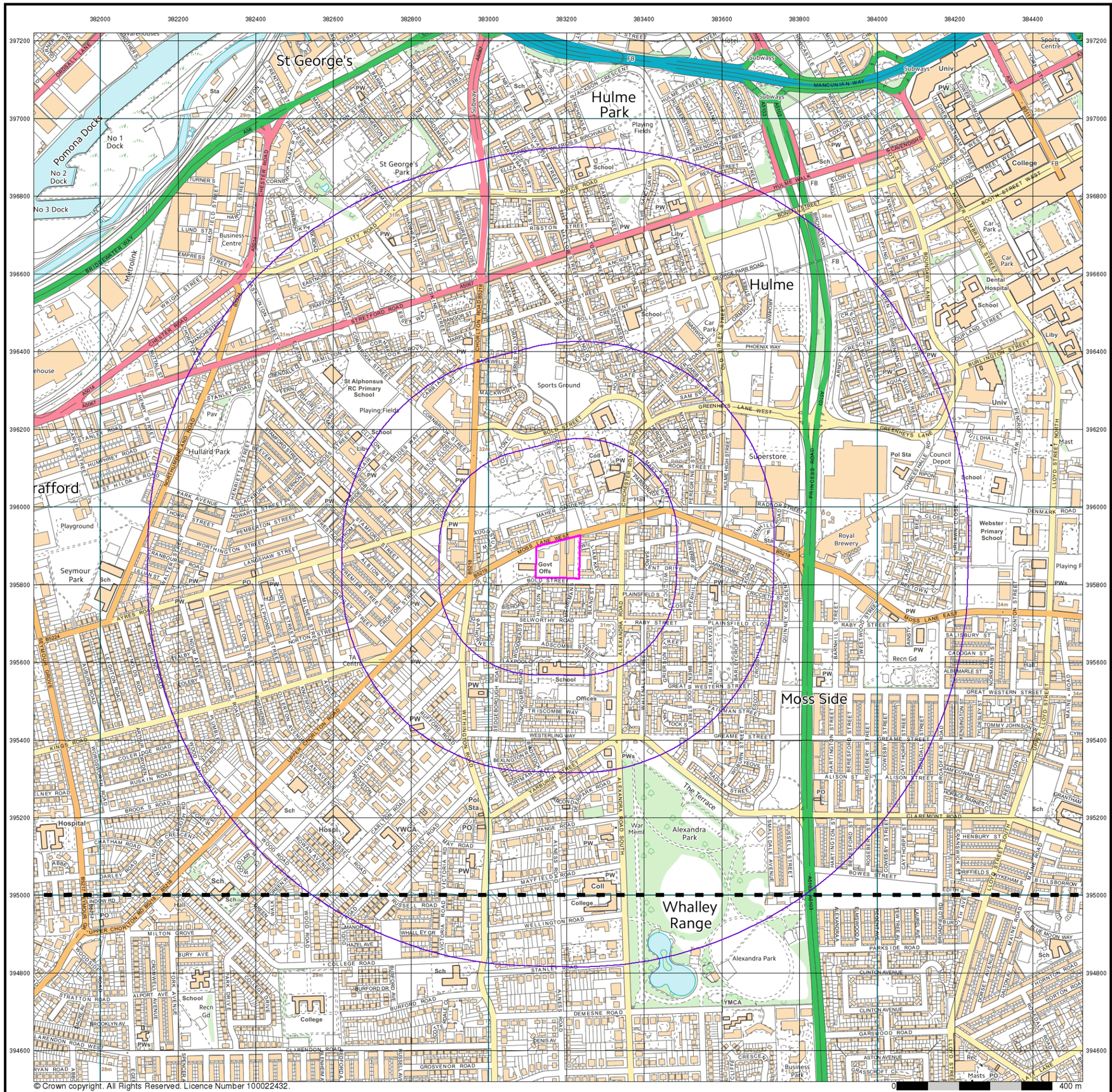

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VectorMap Local

Published 2014

Source map scale - 1:10,000

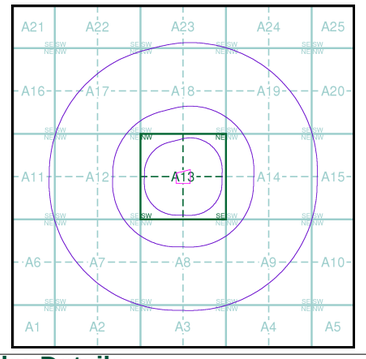
VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap 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)

SJ89NW
2014
Variable

SJ89SW
2014
Variable

Historical Map - Slice A



Order Details

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Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	1000

Site Details

Moss Lane West, MANCHESTER, M15 5PQ

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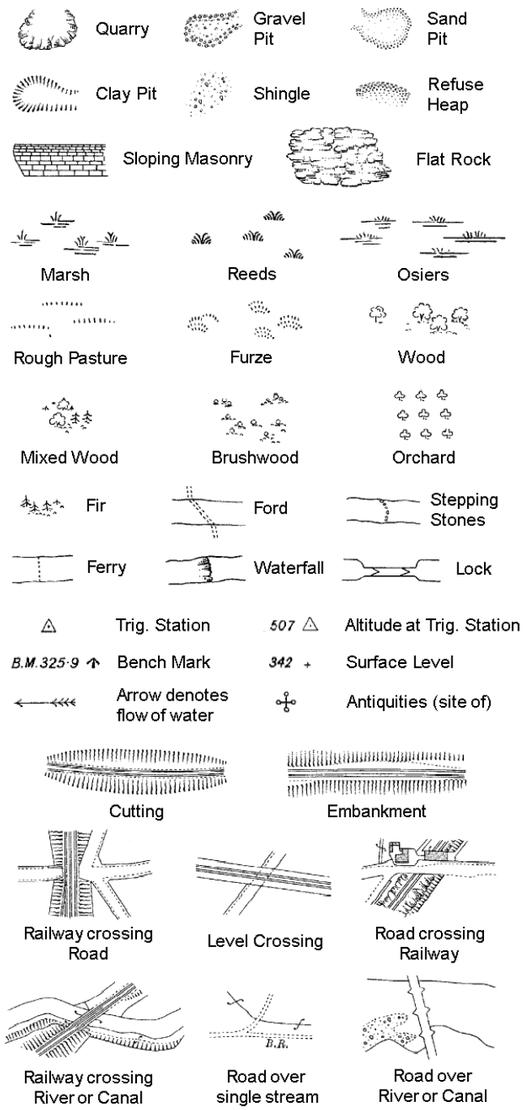
Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

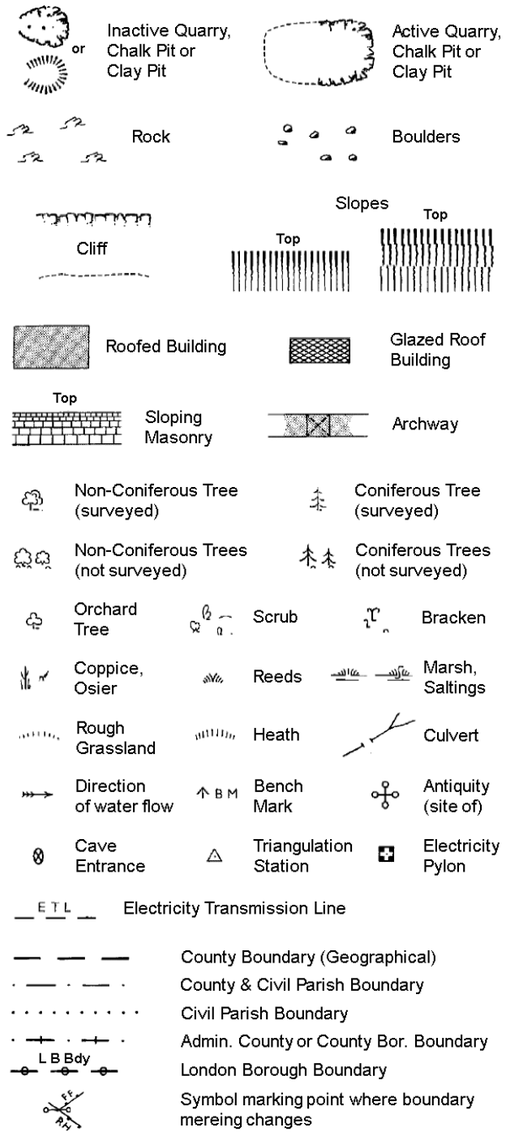
Administrative County & Civil Parish Boundary

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

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

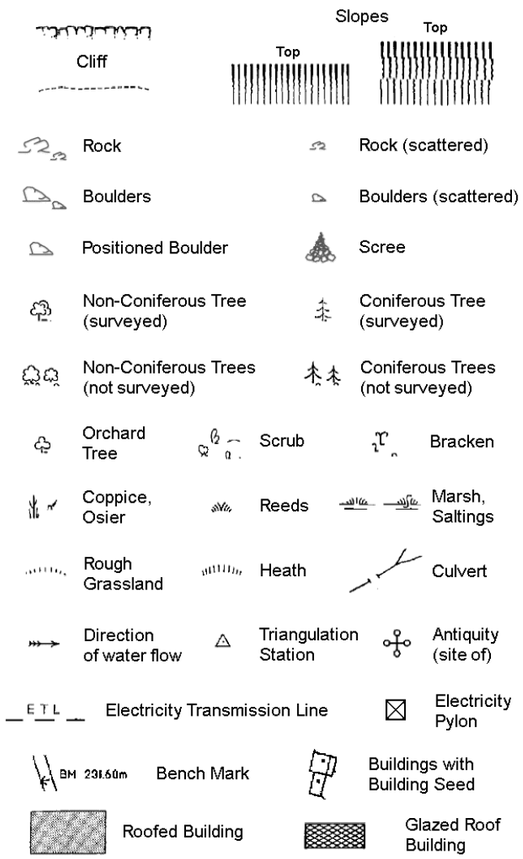
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

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

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

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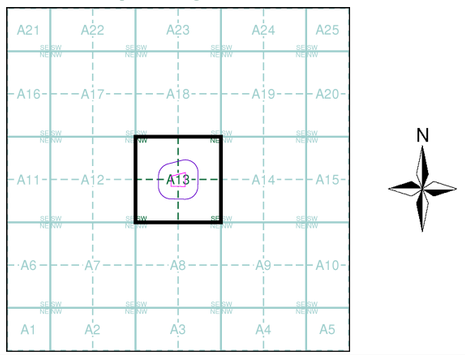
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1908	3
Lancashire And Furness	1:2,500	1922	4
Ordnance Survey Plan	1:1,250	1949 - 1950	5
Ordnance Survey Plan	1:2,500	1951	6
Ordnance Survey Plan	1:1,250	1972 - 1980	7
Supply of Unpublished Survey Information	1:1,250	1976	8
Supply of Unpublished Survey Information	1:1,250	1977	9
Additional SIMs	1:1,250	1977 - 1988	10
Additional SIMs	1:1,250	1984 - 1989	11
Additional SIMs	1:1,250	1988 - 1989	12
Ordnance Survey Plan	1:1,250	1989	13
Large-Scale National Grid Data	1:1,250	1992	14
Large-Scale National Grid Data	1:1,250	1995	15
Large-Scale National Grid Data	1:1,250	1996	16

Historical Map - Segment A13



Order Details

Order Number:	62993067_1_1
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National Grid Reference:	383180, 395870
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Site Area (Ha):	1.07
Search Buffer (m):	100

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Lancashire And Furness

Published 1893

Source map scale - 1:2,500

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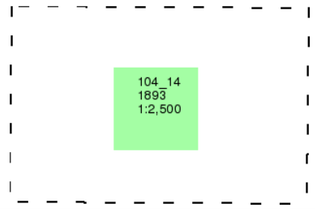
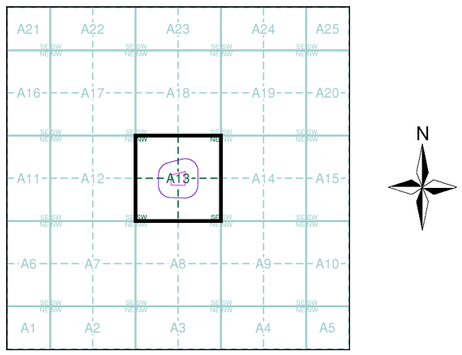
Map Name(s) and Date(s)



Historical Map - Segment A13



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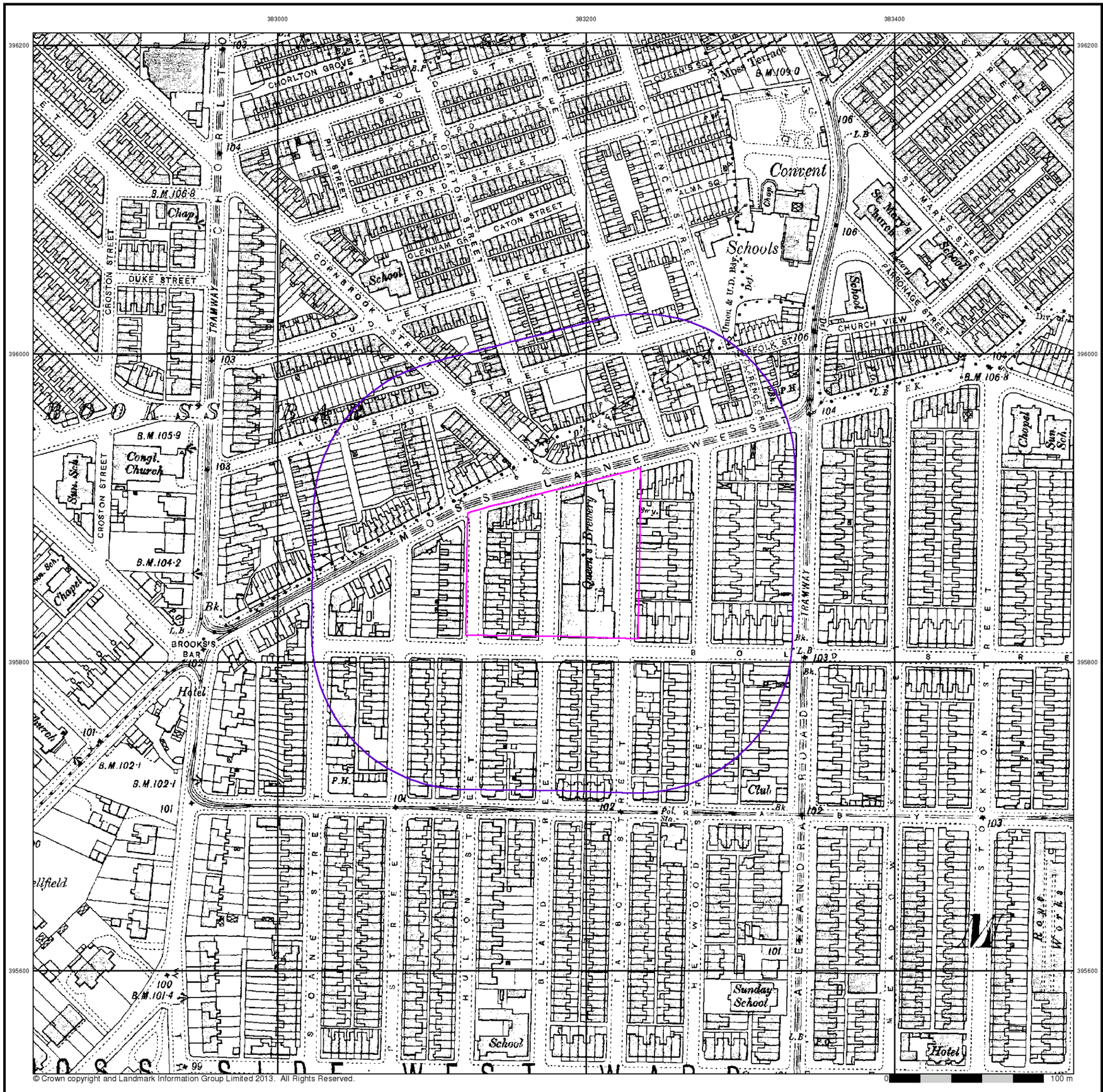

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Lancashire And Furness

Published 1908

Source map scale - 1:2,500

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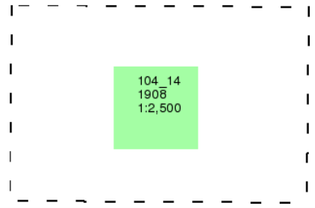
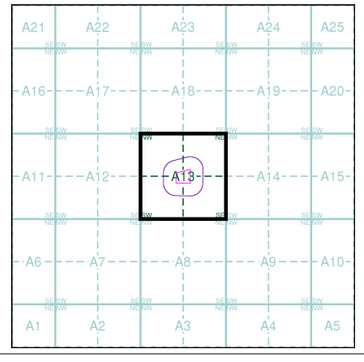
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Lancashire And Furness

Published 1922

Source map scale - 1:2,500

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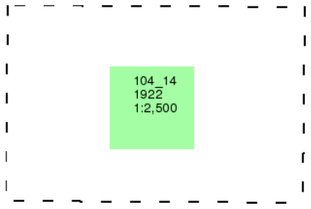
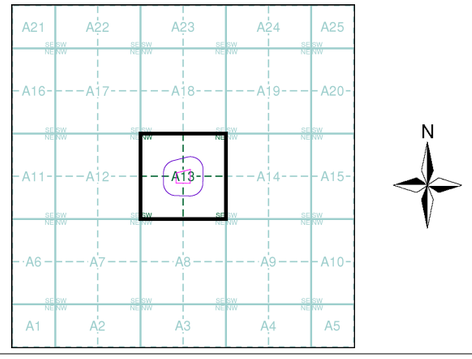
Map Name(s) and Date(s)



Historical Map - Segment A13



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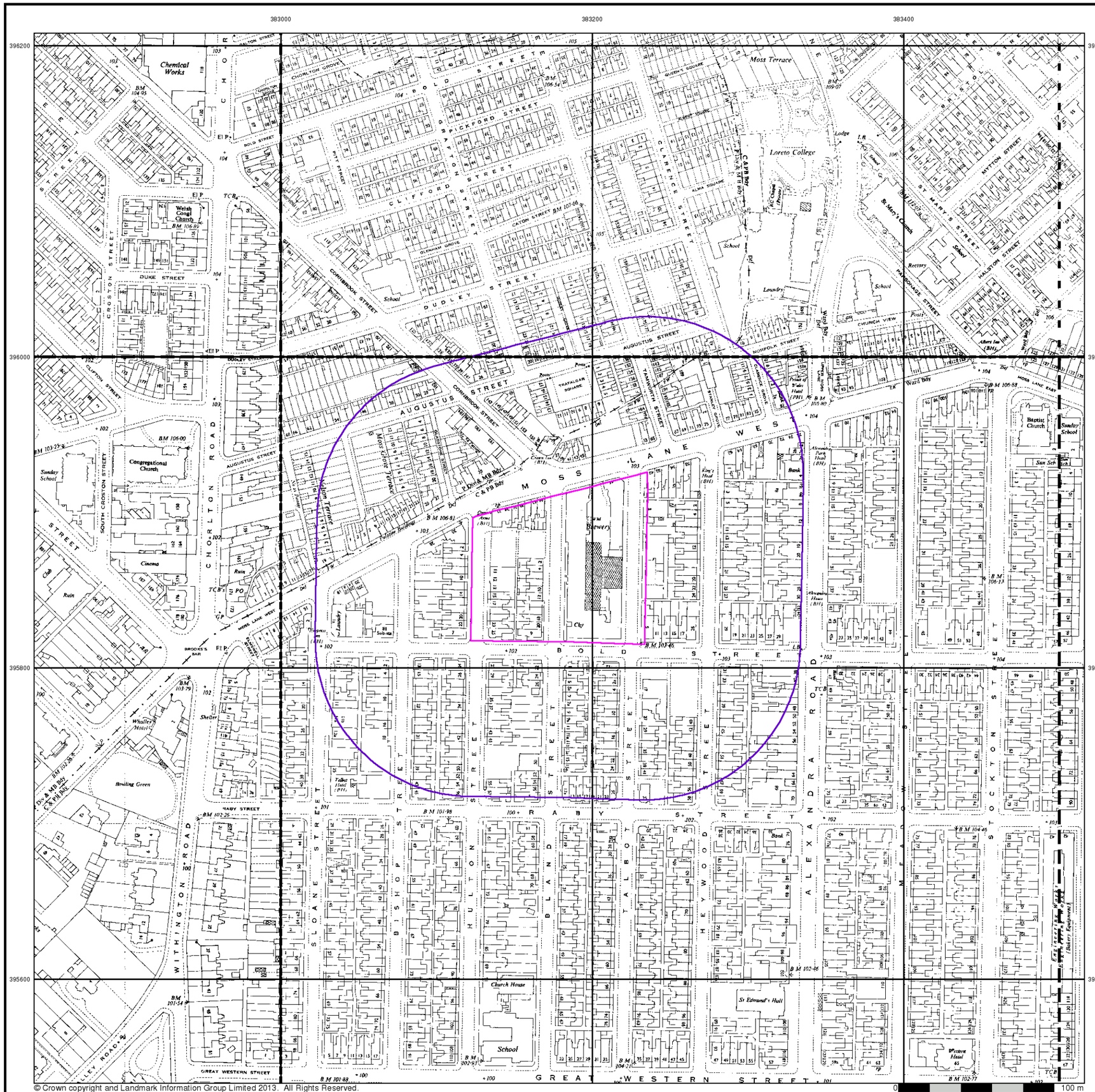

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Ordnance Survey Plan

Published 1949 - 1950

Source map scale - 1:1,250

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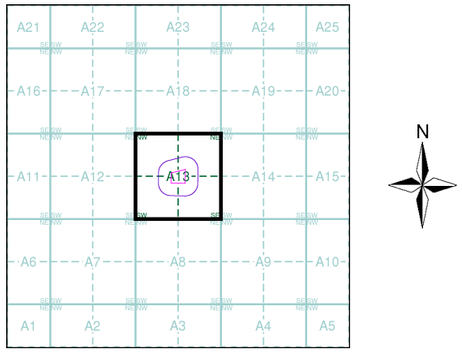
Map Name(s) and Date(s)

SJ8296SE 1950 1:1,250	SJ8396SW 1950 1:1,250	SJ8396SE 1950 1:1,250
SJ8295NE 1949 1:1,250	SJ8395NW 1950 1:1,250	SJ8395NE 1950 1:1,250

Historical Map - Segment A13



Order Details

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National Grid Reference:	383180, 395870
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Site Details

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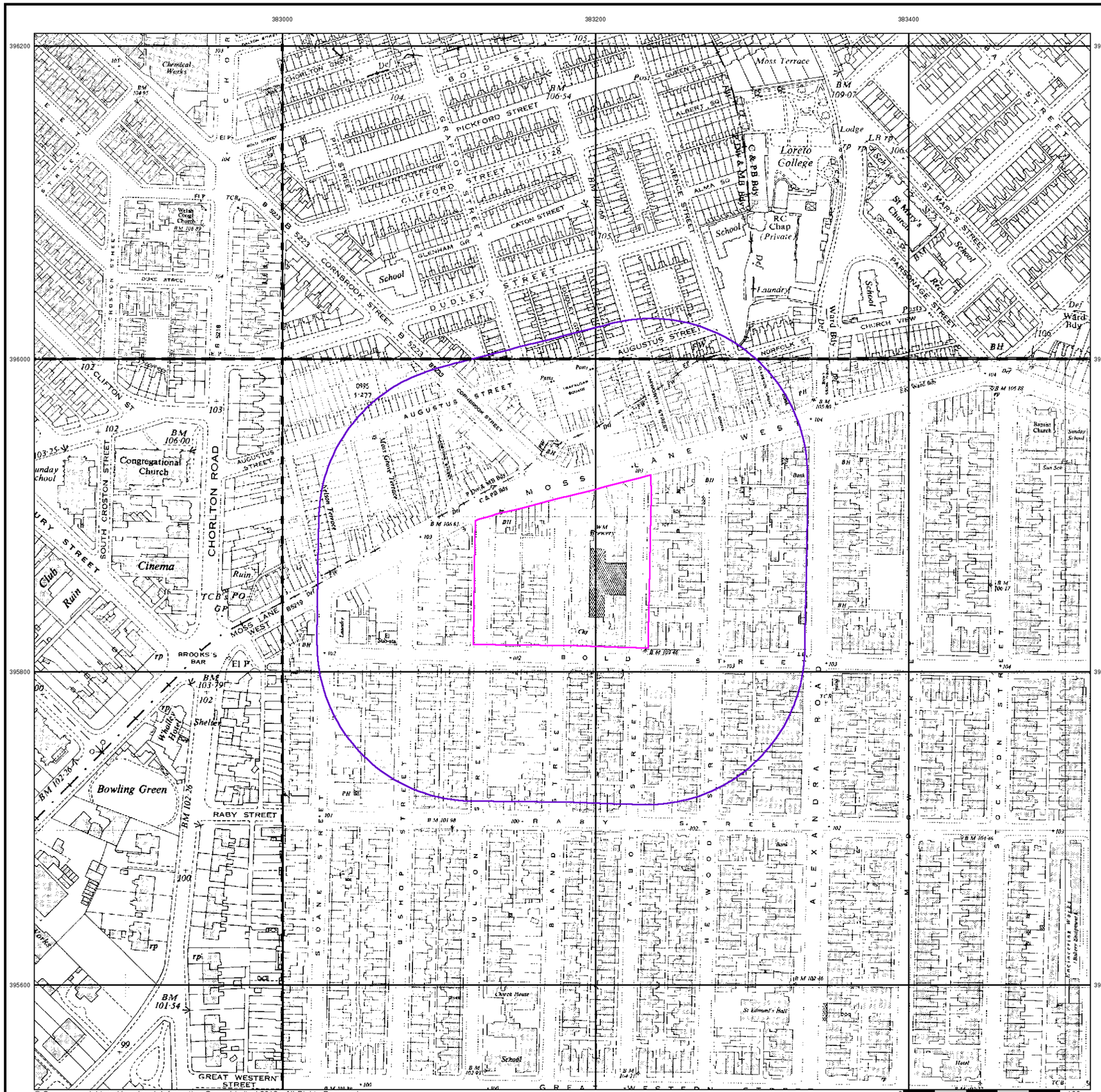

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Ordnance Survey Plan

Published 1951

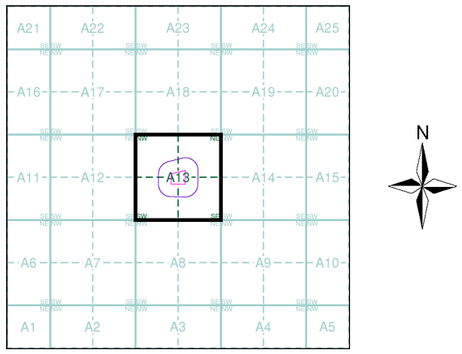
Source map scale - 1:2,500

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)

SJ8296 1951 1:2,500	SJ8396 1951 1:2,500
SJ8295 1951 1:2,500	SJ8395 1951 1:2,500

Historical Map - Segment A13



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Site Details

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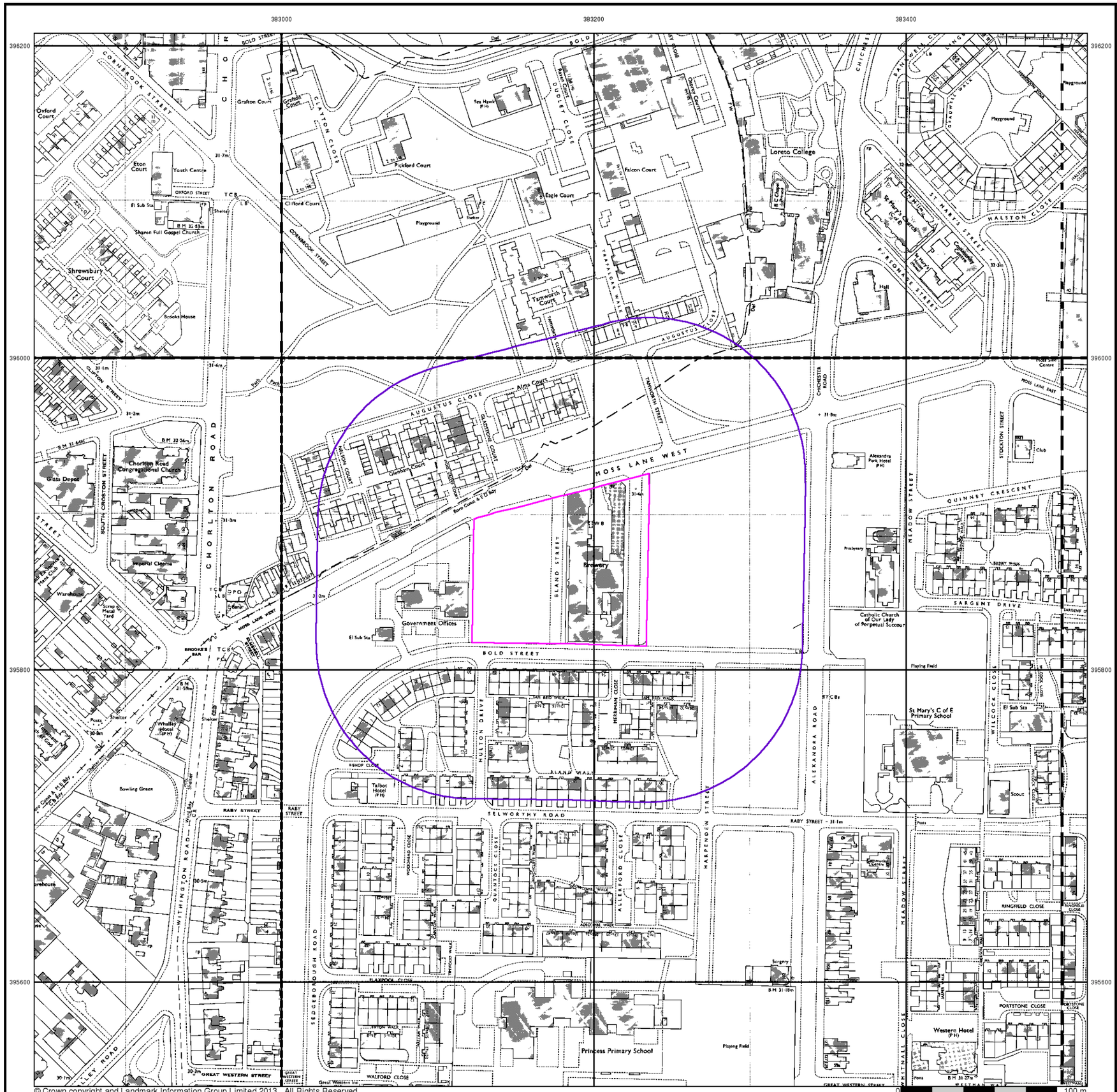

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Ordnance Survey Plan

Published 1972 - 1980

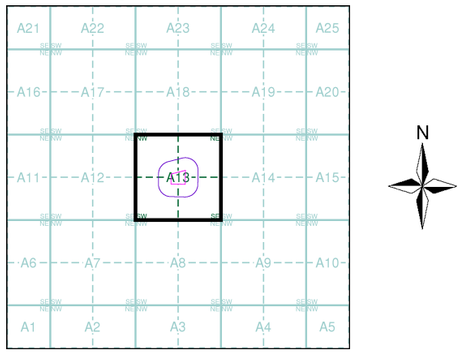
Source map scale - 1:1,250

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)

SJ8296SE 1977 1:1,250	SJ8396SW 1980 1:1,250	SJ8396SE 1978 1:1,250
SJ8295NE 1972 1:1,250	SJ8395NW 1977 1:1,250	SJ8395NE 1977 1:1,250

Historical Map - Segment A13



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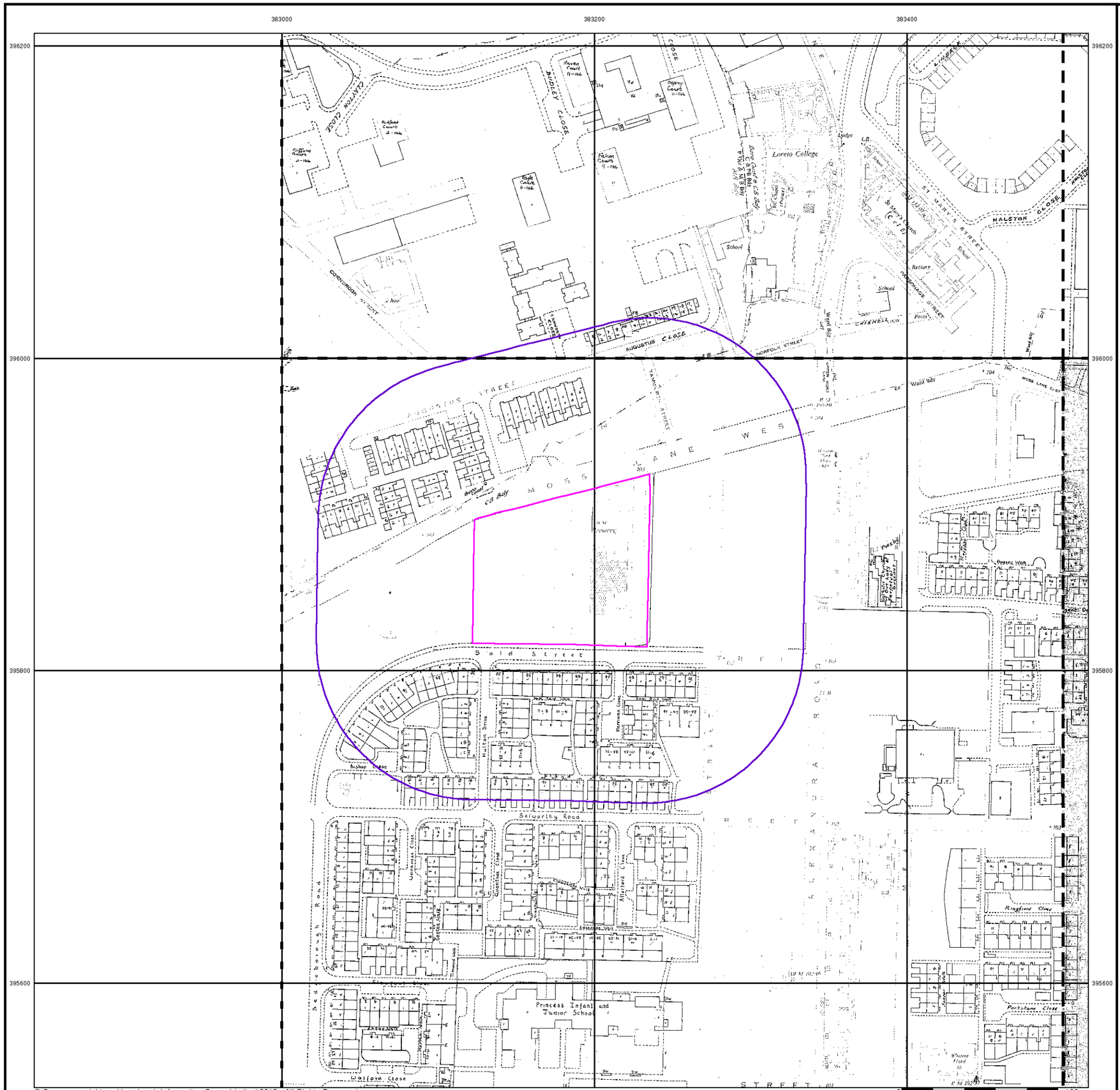

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Supply of Unpublished Survey Information

Published 1976

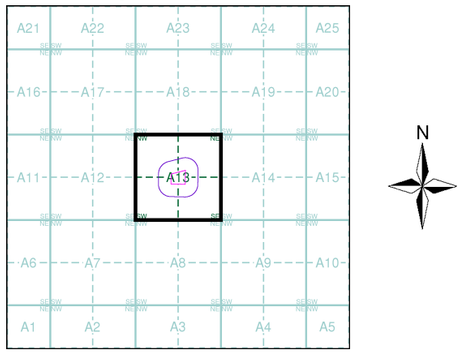
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8396SW 1976 1:1,250
SJ8396SE 1976 1:1,250
SJ8395NW 1976 1:1,250
SJ8395NE 1976 1:1,250

Historical Map - Segment A13



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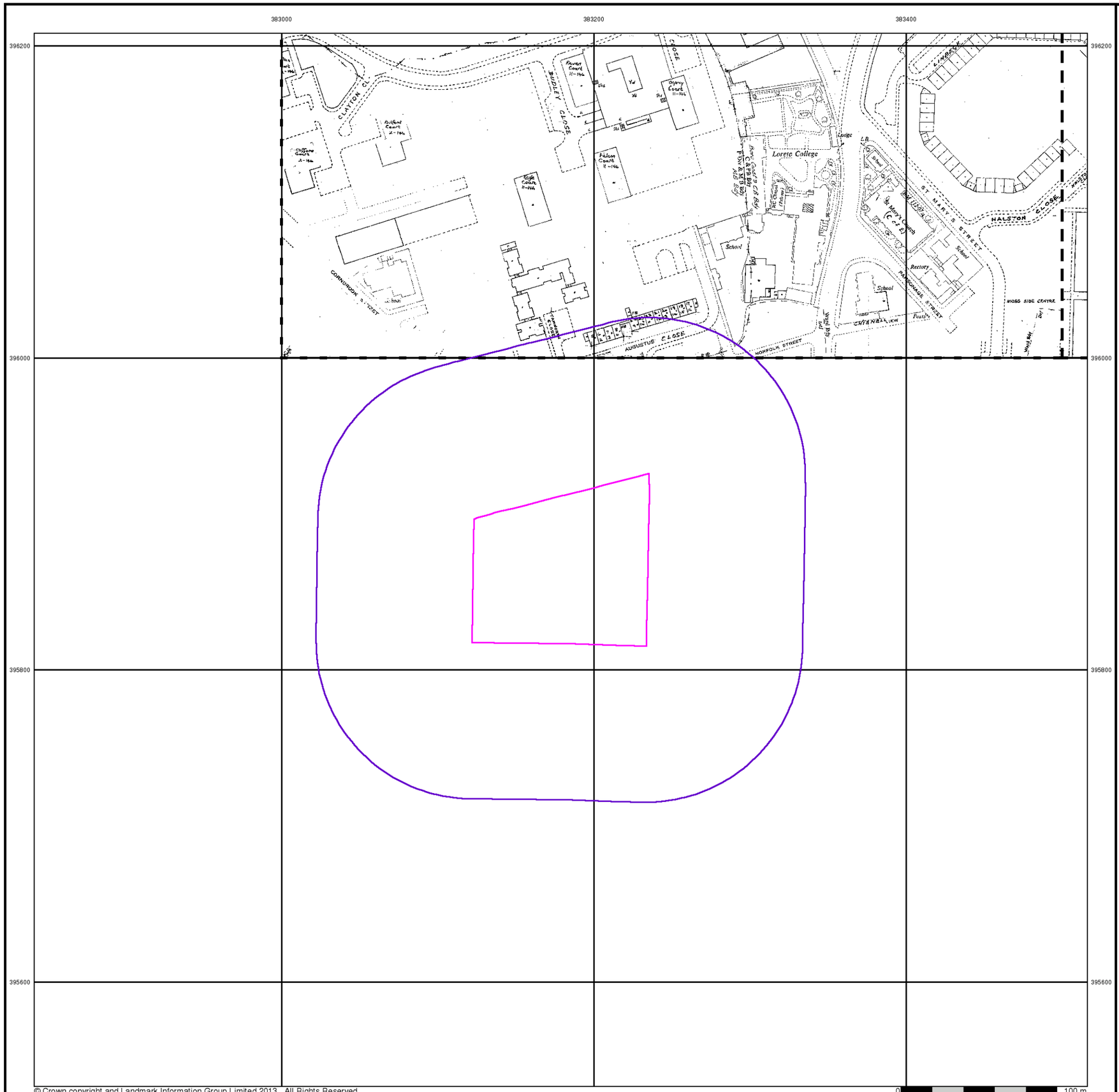

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Supply of Unpublished Survey Information

Published 1977

Source map scale - 1:1,250

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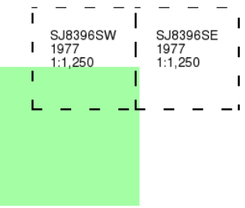
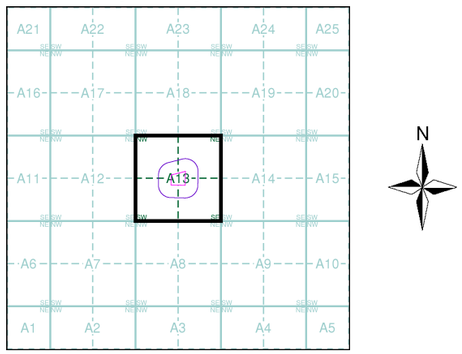
Map Name(s) and Date(s)



Historical Map - Segment A13



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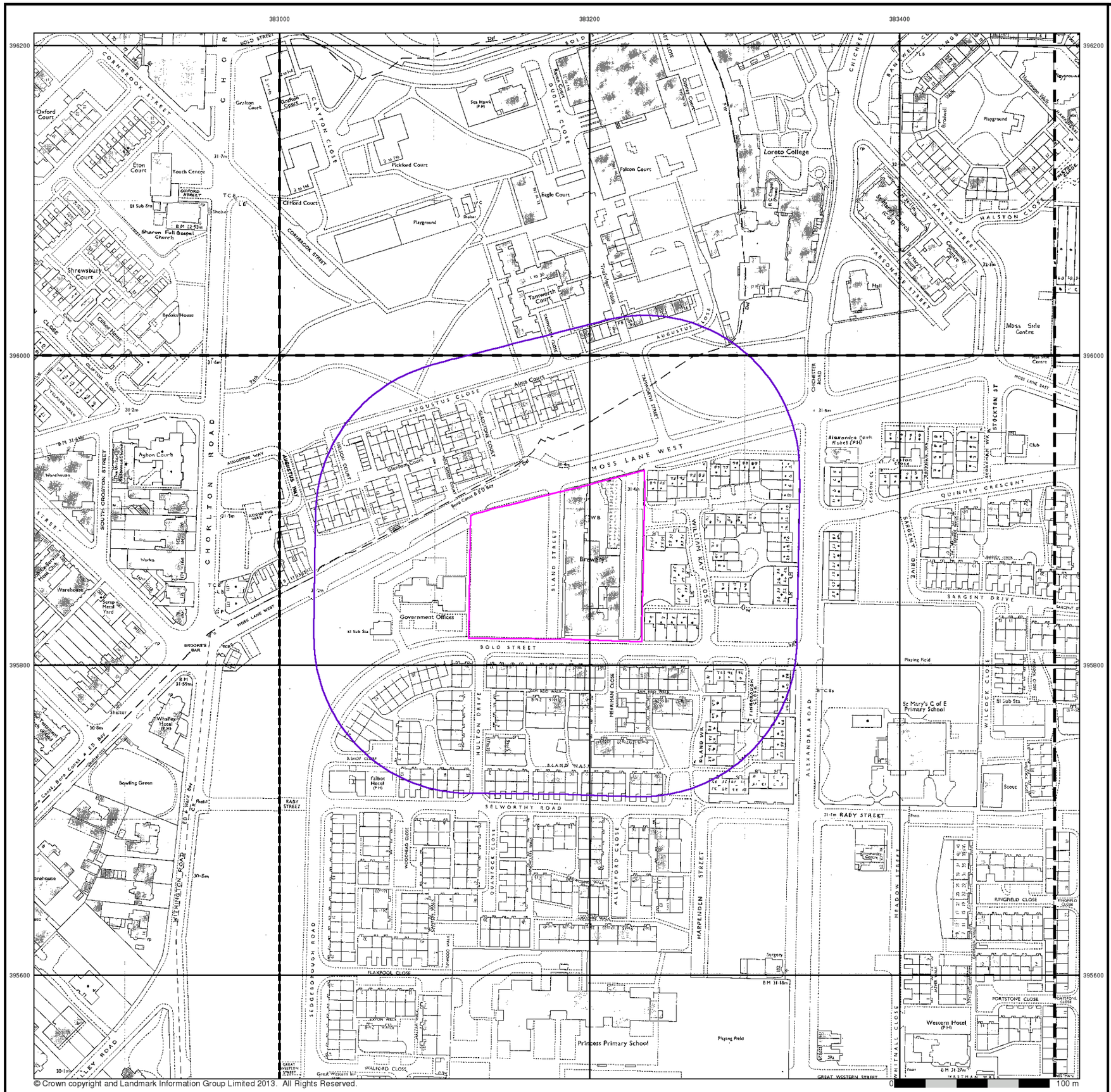

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Additional SIMs

Published 1977 - 1988

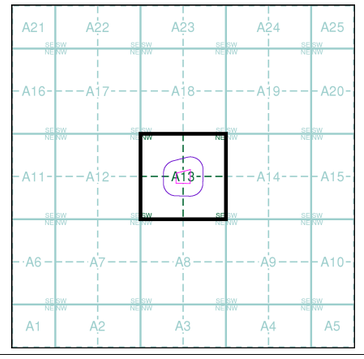
Source map scale - 1:1,250

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)

SJ8296SE 1982 1:1,250	SJ8396SW 1988 1:1,250	SJ8396SE 1977 1:1,250
SJ8295NE 1981 1:1,250	SJ8395NW 1978 1:1,250	SJ8395NE 1985 1:1,250

Historical Map - Segment A13



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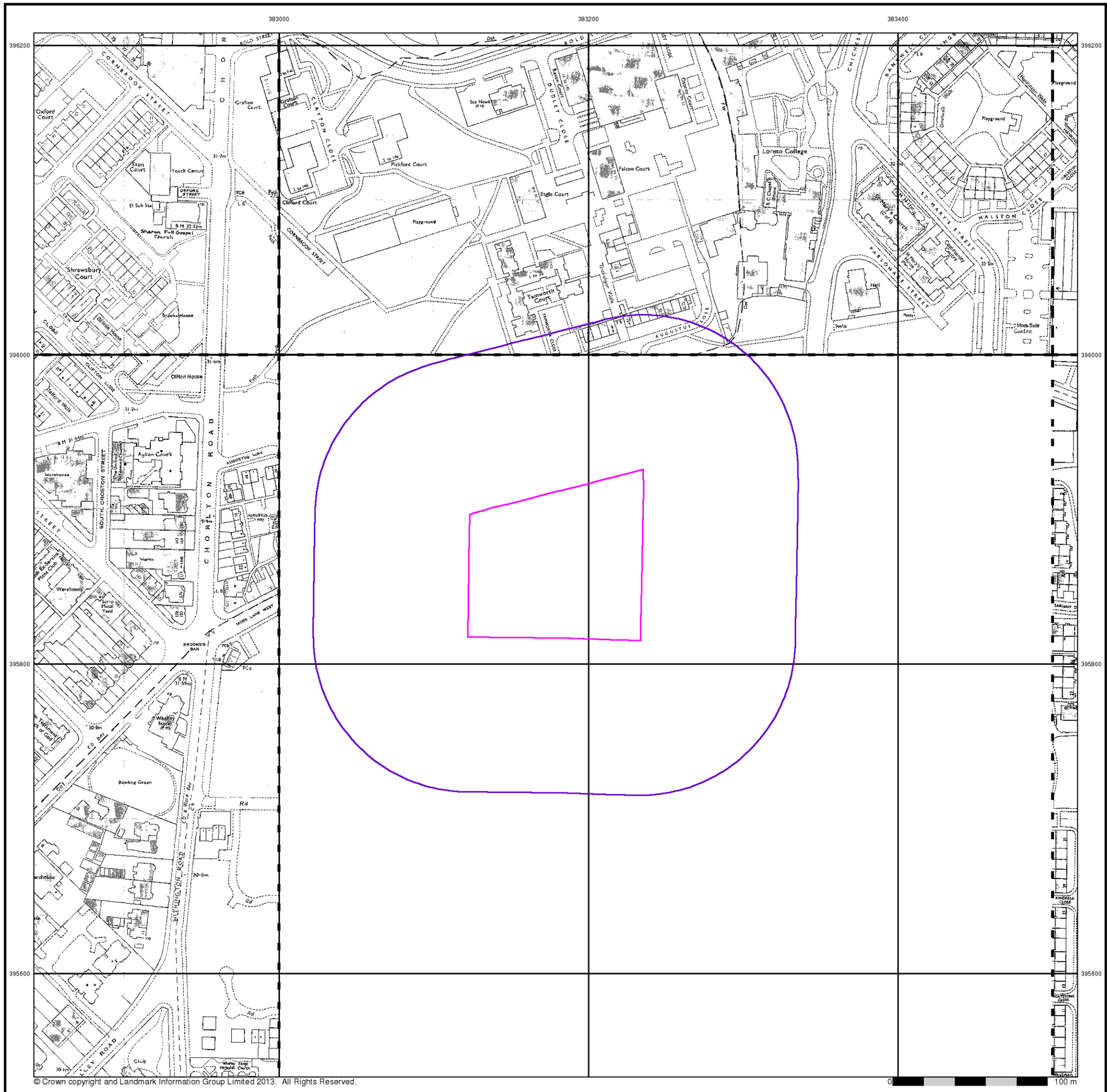
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383200
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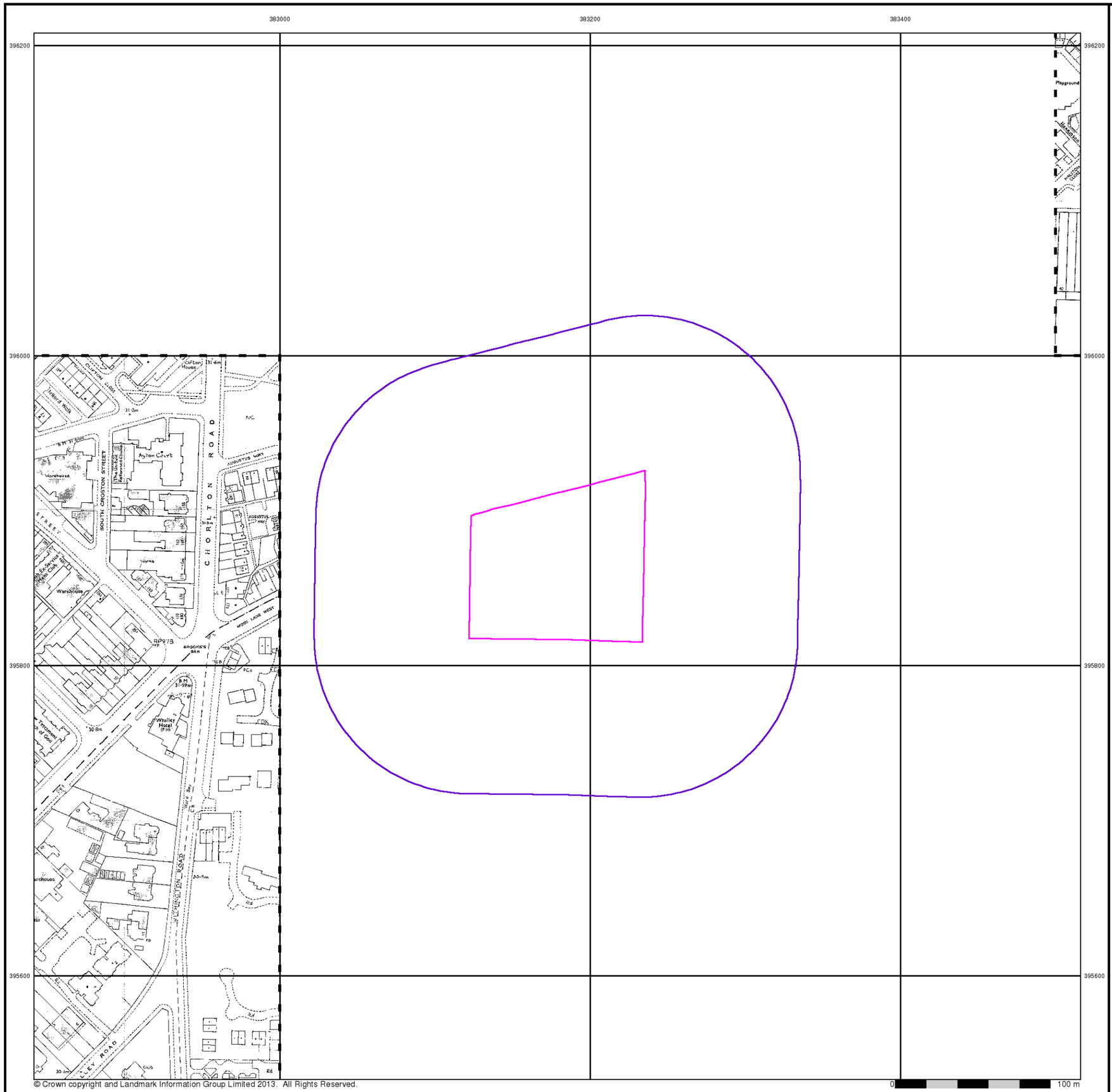
396200
396000
395800
395600
Oxford Court
Eton Court
Youth Centre
Sharon Full Gospel Church
Shrewsbury Court
Brooke House
Clifton House
Taylorson Close
Telford Walk
Ayton Court
Warehouse
Works
Electric Metal Yard
Ex Service Club
Bowling Green
Whalley Range Methodist Church
Graham Court
Clayton Close
Pickford Court
Clifford Court
Playground
Sea Hawk (P H)
Bond Court
Dudley Close
Eagle Court
Falcon Court
Loreto College
Tatsworth Court
Augustus Close
Hall
Moss Side Centre
Playground
Huntingdon Walk
Connaught Court
Connaught Close
Connaught Road
Parliament Street
St Mary's Street
Halston Close
Community Centre
Chichester Close
Bankwell Close
Longford Close
Cornbrook Street
Bold Street
Del
Fold Street
Chichester Road
Clifton Road
South Croston Street
Augustus Way
Moss Lane West
Brooks's Bar
Junction Road
Alley Road
Rd
Path
Ref
Fp
Ho
Sch
Gdns
Ground
Pcs
Tcb
Tce
Sub Sta



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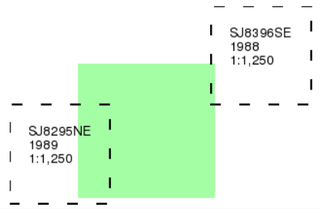
Additional SIMs

Published 1988 - 1989

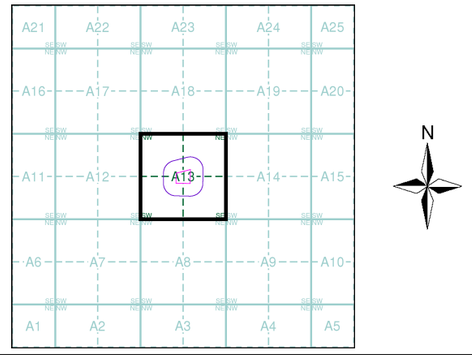
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

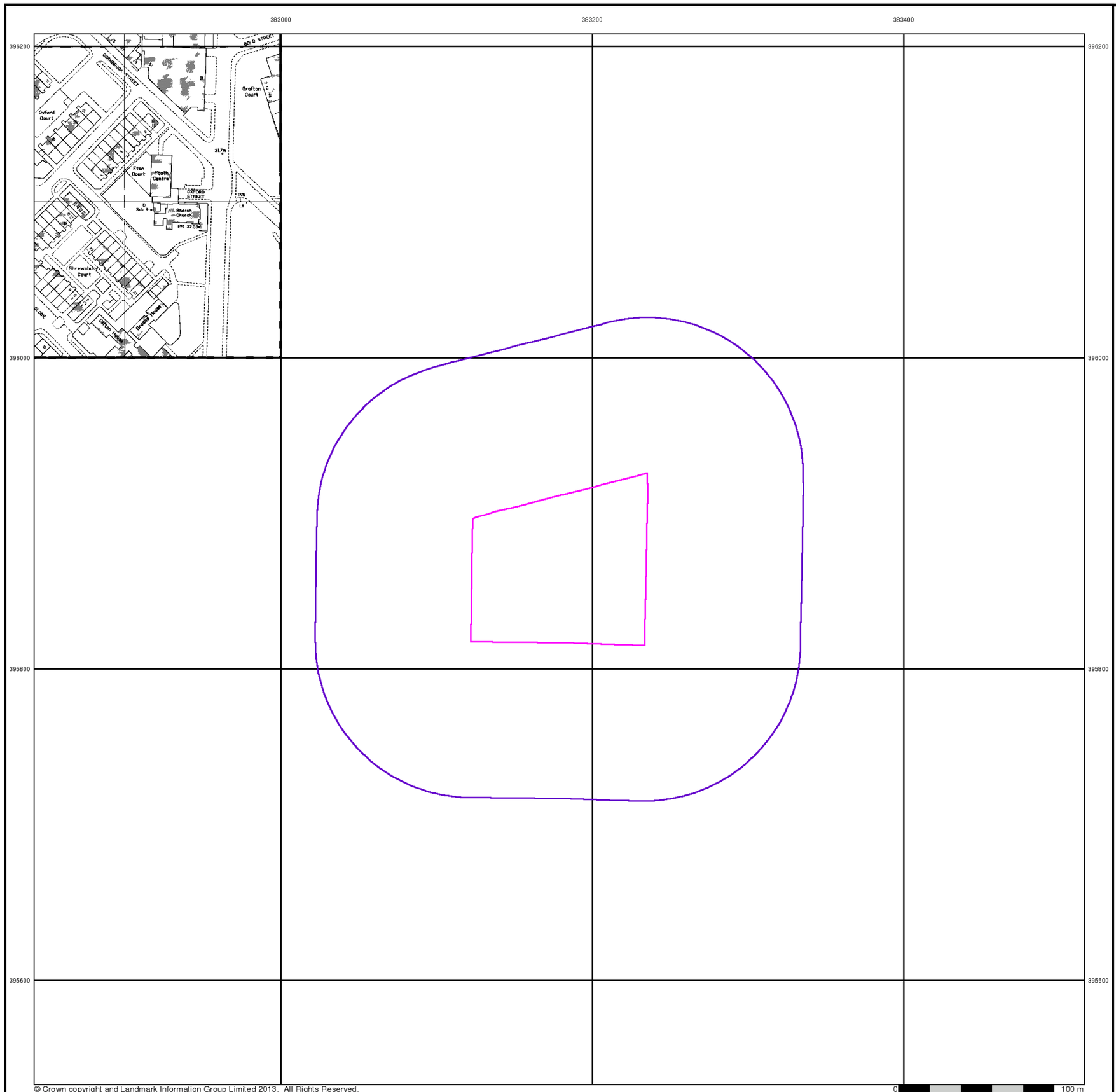
Order Number:	62993067_1_1
Customer Ref:	GSI 0397 IW EC 161214
National Grid Reference:	383180, 395870
Slice:	A
Site Area (Ha):	1.07
Search Buffer (m):	100

Site Details

Moss Lane West, MANCHESTER, M15 5PQ

Landmark Information Group

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



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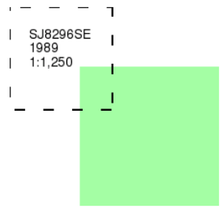
Ordnance Survey Plan

Published 1989

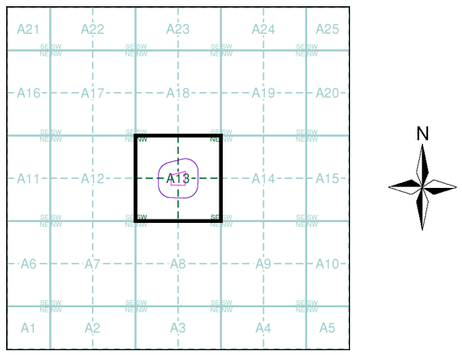
Source map scale - 1:1,250

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)



Historical Map - Segment A13



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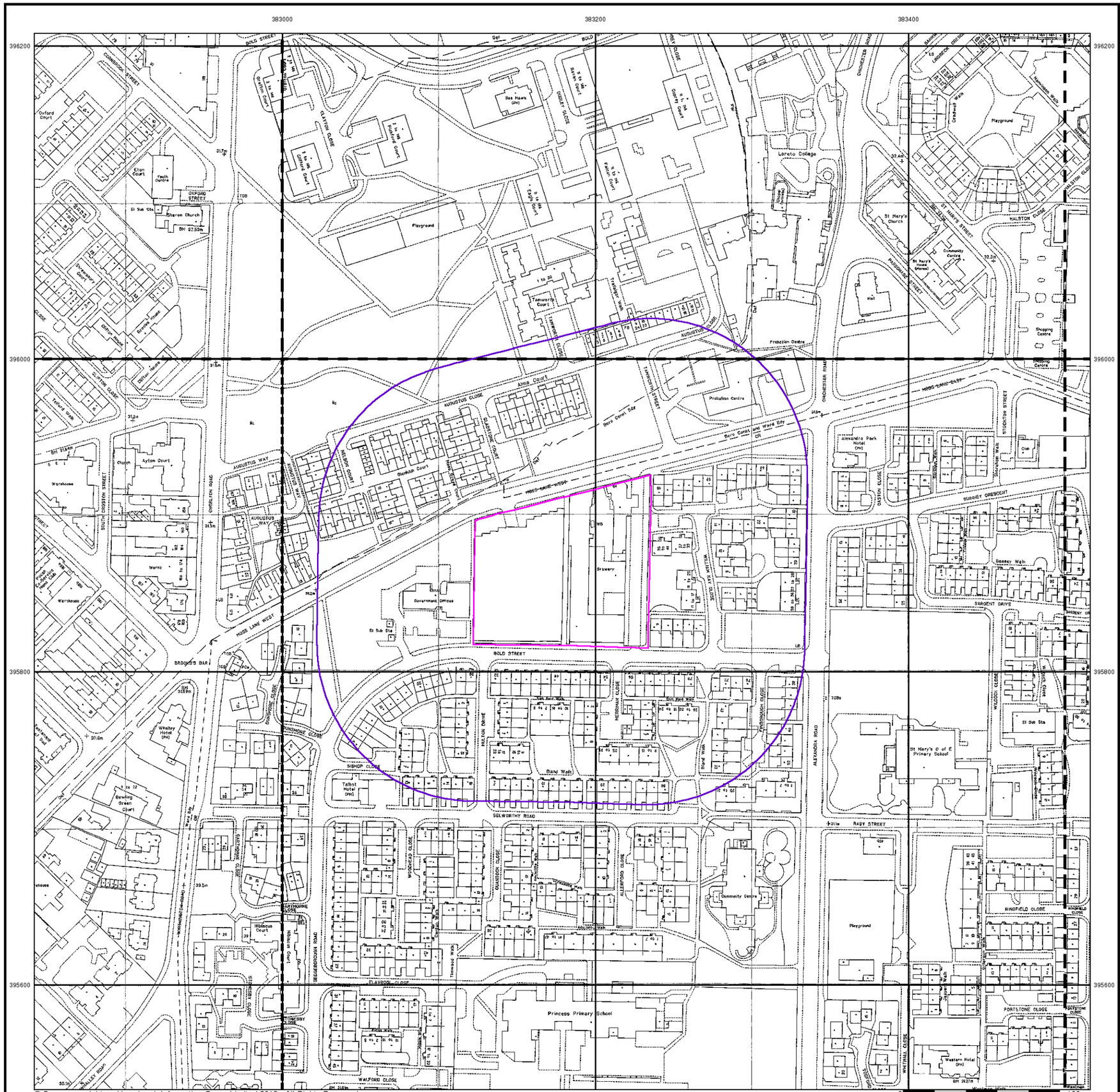
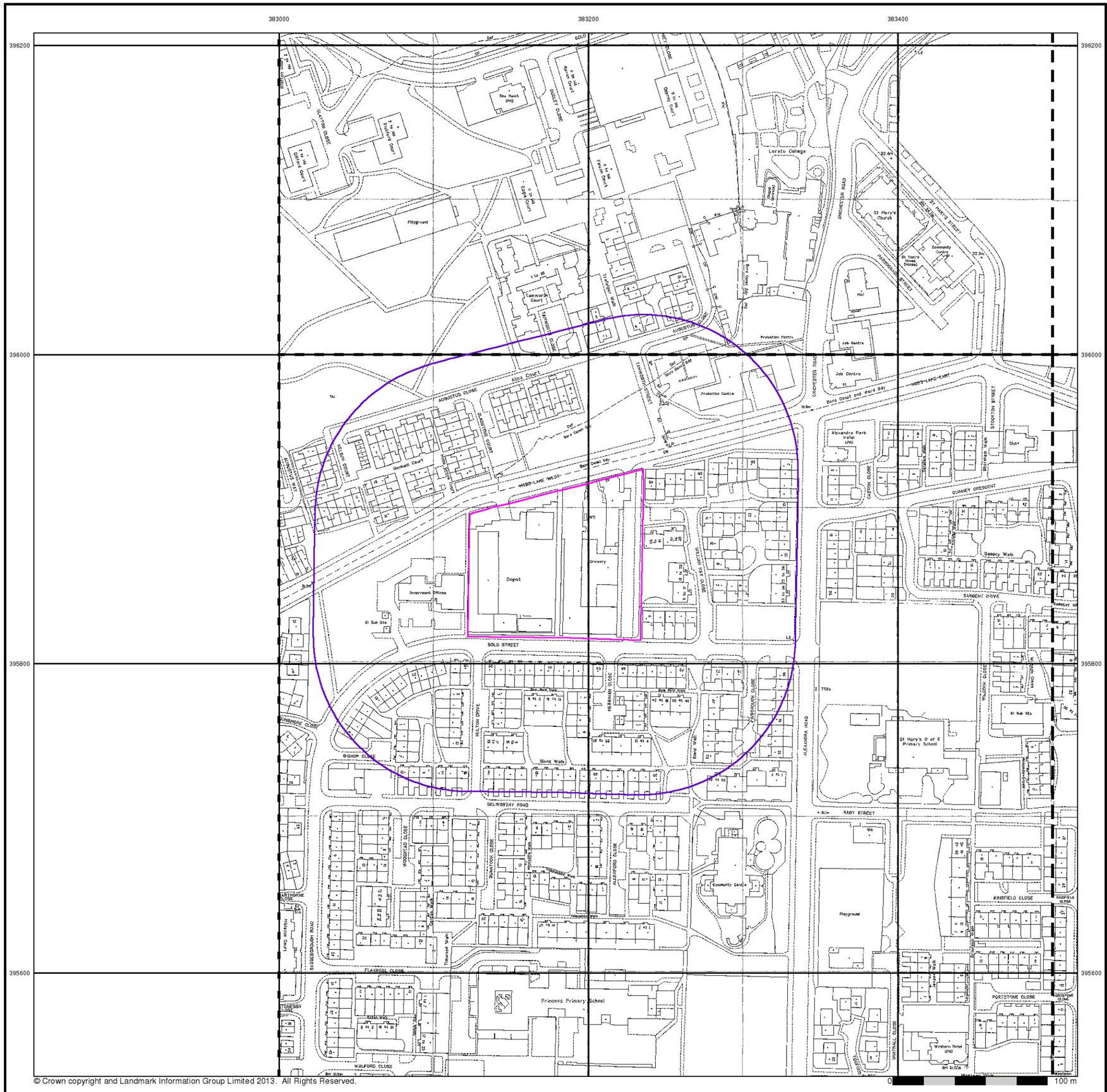

383000
383200
383400
396200
396000
395800
395600
Playground
Loreto College
St Mary's Church
Probation Centre
Community Centre
Shopping Centre
Alma Court
Ayton Court
Shelmuir Court
Alexandra Park Hotel (PH)
Brewery
Government Offices
Whalley Hotel (PH)
Talbot Hotel (PH)
Bowling Green (Short)
Hibiscus Court
Princess Primary School
St Mary's C of E Primary School
Western Hotel (PH)
Playground
Community Centre
Sharon Church
Oxford Court
Eton Court
Tamworth Court
Hall
Bland Walk
Moss Lane West
Moss Side East
Augustus Close
Augustus Way
Clarton Close
Dudley Close
Chorlton Road
Stockton Street
Tamworth Street
Alexandra Road
Hilton Drive
Selworthy Road
Rasby Street
Sargent Drive
Halston Close
Ringfield Close
Portstone Close
Playdol Close
Bishop Close
Brooks Bar
Valley Road
Wakeford Close
Sedgeborough Road
Oxford Street
Boldfield Close
Boldfield Court
Clay



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Envirocheck®

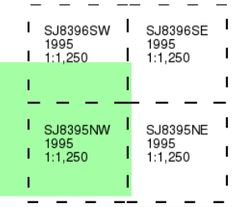
Large-Scale National Grid Data

Published 1995

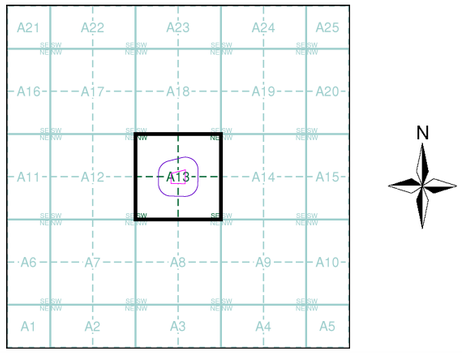
Source map scale - 1:1,250

'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



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National Grid Reference:	383180, 395870
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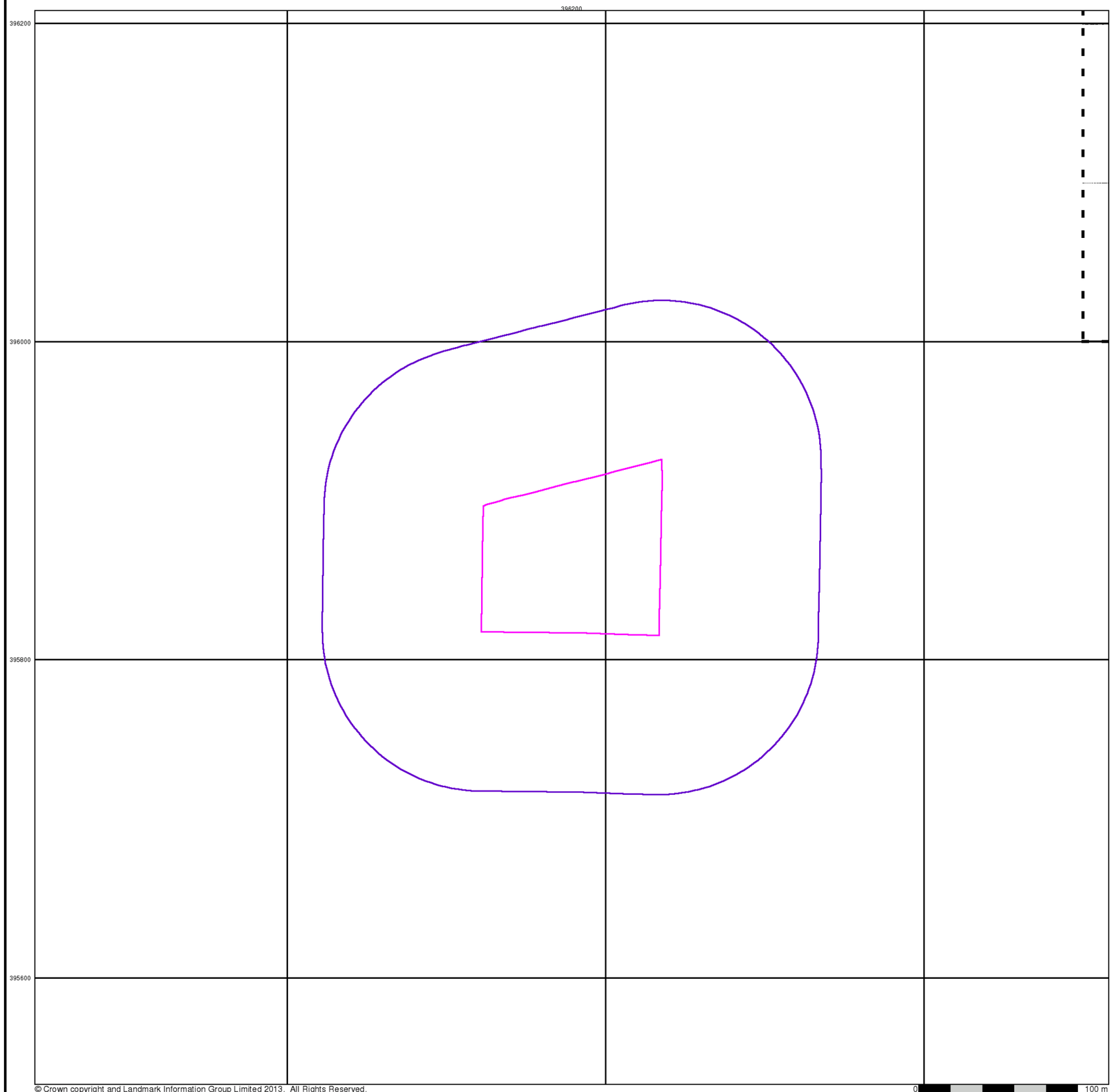

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Envirocheck®

Large-Scale National Grid Data

Published 1996

Source map scale - 1:1,250

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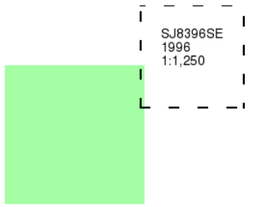
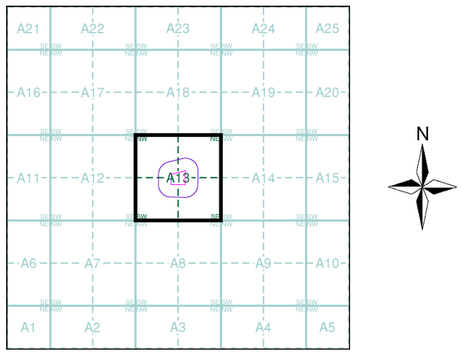
Map Name(s) and Date(s)



Historical Map - Segment A13



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