PHASE I PRELIMINARY RISK ASSESSMENT OF LAND AT 7A COLGATE CRESCENT MANCHESTER

Prepared for:-

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1.0 INTRODUCTION

1.1 Instruction

1.1.1 GeoCon Site Investigations Ltd (GeoCon) have been commissioned by House Manchester to undertake a Phase I Preliminary Risk Assessment (PRA) on land at 7a Colgate Crescent, Manchester.

1.1.2 It is understood that a PRA is required to assist with a planning application for a proposed residential development at the site.

1.1.3 This report is therefore provided to establish the potential for contamination at the site as a result of current and historic land uses both on site and within influencing distance of the site, to understand the potential type of contamination that may be present.

1.1.4 This report is written in accordance with the guidance set out in Land Contamination Risk Management (LCRM), Guiding Principles for Land Contamination (GPLC) 1 – 3, and the National Planning Policy Framework (NPPF).

1.2 Scope of Works

1.2.1 Prior to commencing the site works the proposed scope of investigation was as follows, however the proposed scope will be subject to change dependent upon site conditions, access, restrictions and obstructions.

- To appraise the land use history of the site by the examination of available historical plans.
- To assess the environmental setting of the site with specific reference to geology, mining & quarrying, hydrogeology and hydrology.
- To gain an understanding of any concerns of the regulatory authorities (Local Authority Planning, Building Control and Environmental Health departments and the Environment Agency) regarding local land filling, flooding, mining, quarrying and other concerns.
- To produce a Preliminary Conceptual Site Model (CSM).

1.3 Previous Investigations

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

1.4 Reliance and Limitations

1.4.1 This report has been prepared using published information and information provided by the Client and their professional advisers which has been made available to GeoCon at the time of writing only. GeoCon accepts no liability for any changes resulting from new information which has become available since this time.

1.4.2 This report is provided for the sole use of the client and their professional advisors and is confidential to them unless agreed otherwise in writing. This report may only be used and relied on once the work has been paid for in full. GeoCon owes no duty of care and has no liability to any third party who is not authorised by GeoCon to use this report. Any unauthorised third parties using information contained in this report do so at their own risk.

1.4.3 This assessment has been carried out to determine the potential risks posed to future end users, along with other key receptors, resulting from potential contamination at the site, based on the proposed development. Should any revisions in the development proposals result in a change in any assessment parameters detailed in this report, a re-assessment of the risk should be carried out.

1.4.4 Whilst this report may reference observations made regarding the presence of features/ issues such as invasive species, Asbestos Containing Materials (ACM), site drainage and evidence of structural abnormalities, this report does not constitute specialist surveys on these matters. Should further specialist surveys be carried out in this regard, the findings of these should be reported to GeoCon so that we may determine if this has any impact on the findings of this report.

1.4.5 The assessment and interpretation of the factual data obtained as part of this Phase I Preliminary Risk Assessment has been undertaken in accordance with standard consulting practise and with current national and international guidance.

1.4.6 This report presents the observations made during the Phase I Preliminary Risk Assessment and the factual data obtained. The conclusions and recommendations in this report are limited to those which can be made based on the findings of the survey and information provided by third parties. GeoCon assumes all third-party data to be true and correct. No responsibility can be accepted by GeoCon for inaccuracies in the information provided by any other party.

1.4.7 This report is written in the context of an agreed scope of works and should not be used in a different context. Furthermore, new information, improved practises, and changes in legislation may require the reinterpretation of the report in whole or in part after its original issue. GeoCon reserve the right to alter their conclusions and recommendations in the light of further information that may become available.

1.4.8 It should be noted that ground conditions including contaminant concentrations and groundwater levels may vary spatially with time. This factor should be given due consideration in the event that the information contained within this report is used after any significant period of time has elapsed.

2.0 SITE LOCATION AND DESCRIPTION

2.1 Site Location

2.1.1 The site is located at 7a Colgate Crescent, Manchester, at approximate National Grid Reference NGR: 384770:393780 (centre of the site).

2.1.2 A site location plan is presented as Drawing No. GSI 2245/01 in Appendix A.

2.2 Site Description

2.2.1 The site is a roughly rectangular piece of land with an approximate area of 0.03Ha.

2.2.2 The topography of the site is generally flat.

2.2.3 The site is currently a derelict piece of land adjacent to 7 Colgate Crescent. Aerial imagery shows what appears to be a building footprint occupying the centre and east of the site. The site is heavily overgrown and there is some evidence of possible fly tipping.

2.2.4 An approximate distribution of the surface covering is given below in Table 2.1: Site Surface Covering.

Table 2.1: Site Surface Covering

Type of Surface Cover	Distribution (%)
Soft Ground (grassed and landscaped areas)	95
Hardstanding	-
Roadways	-
Buildings	5
Water (ponds, streams)	-

2.2.5 The site is bound by a wood panel and concrete post fence to the east, separating it from 7 Colgate Crescent. A low brick wall and mature hedges separate the site from Colgate Crescent to the north and west. Mature vegetation separates the site from the residential property to the south.

2.2.6 Access to the site is via Colgate Crescent to the west.

2.3 Surrounding Area

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

2.3.2 The topography of the surrounding area is generally flat.

2.4 Future Site Usage

2.4.1 It is currently proposed to construct a new residential development on the site, comprising a two-storey building with associated garage and recreational outdoor space to include soft and hard landscaping.

2.4.2 This assessment has been carried out with reference to this proposed development plan as described by the client, any changes to the proposed development may result in the requirement to update this assessment.

3.0 SITE HISTORY

3.1 General

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 site to be a derelict piece of land with a building footprint present in the centre and east. The surrounding area is predominantly residential properties in all directions.

Table 3.1: Site History

Feature	Date first observed	Date no longer shown	Direction (from site)	Distance (from site)	Area (m^2)	General notes
Building footprint	2016	Present	NE	On site	57	The footprint of a new building is shown on maps from 2016, although the building does not appear to be constructed.
Thirlmere Aqueduct	1922	Present	N	46	-	Underground aquifer.
Railway line	1893	1989	N	62	-	Dismantled.
Allotments	1922	Present	NE	76	31158	Redeveloped with a school to the west and residential properties in the centre by 1976.
Small holdings	1955	1976	NW	100	27036	Redeveloped into residential properties.
Pond	1922	1934	NW	144	174	Potentially infilled with unknown materials.
Leigh Brook	1848	1934	S	149	-	Potentially infilled with unknown materials.
Fallowfield Brook	1848	1976	N	211	-	Potentially infilled with unknown materials.
Site and surrounding area in general	From the earliest mapping records (1848), the site is within an area of unoccupied land, likely in agricultural use. An area of woodland was present adjacent to the north and northwest. The majority of the surrounding area was also unoccupied, with small areas of woodland, Fallowfield Brook to the north and Leigh Brook to the south. By 1893, a railway line had been constructed within a cutting to the north of the site running roughly east to west and spanned by a north to south trending bridge to the northwest of the site. By 1922, the Thirlmere Aqueduct had been constructed to the south of the railway line and allotment gardens had been established to the north. By 1934, the area to the south of the railway line had been developed with residential properties, including Colgate Crescent adjacent to the site. The railway was dismantled by 1989 and landscaped into a footpath by 2016. The footprint of a new building is shown on the site in maps from 2016 onwards, although the building does not appear to be constructed. No further significant changes were noted.					

4.0 ENVIRONMENTAL SETTING

4.1 General

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

Table 4.1: Sources of Information

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

4.1.2 The Landmark Envirocheck report is provided in Appendix B.

4.2 Published Geology

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

Table 4.2: Published Geology

Geology	Description /strata	BGS General Description (Lexicon)
Artificial	None recorded	-
Superficial	Till	"Diamicton."
Bedrock	Chester Formation	*"The formation shows a progressive change in lithology northwards, from a coarse-grained, typically well-cemented proximal facies to a fine-grained, less well-cemented distal facies."*

4.3 Potential Contamination Sources

4.3.1 The following potential sources of contamination have been identified.

<u>Fuel Storage</u>

4.3.2 There is one fuel station recorded within 500m of the site, located 371m to the northeast. The entry relates to an operational branch of Esso.

<u>Contemporary Trade Directories</u>

4.3.3 There are two contemporary trade directories recorded within 250m of the site. The closest to the site is located approximately 22m to the southwest for road haulage services. The remaining entry is 177m to the west for fireplaces and mantelpieces. Both entries are noted to be inactive.

<u>Points of interest – Commercial Services</u>

4.3.4 There are three records of points of interest for commercial services within 250m of the site. All records are located 22m to the southwest and relate to distribution and haulage services.

Points of interest – Manufacturing and Production

4.3.5 There are no points of interest for commercial manufacturing and production within 250m of the site.

Local Authority Pollution Prevention and Controls

4.3.6 There are no records of Local Authority Pollution Prevention and Controls within 250m of the site.

Points of interest – Public Infrastructure

4.3.7 There are no records of points of interest for public infrastructure within 250m of the site.

Substantiated Pollution Incident Register

4.3.8 There are no records of substantiated pollution incidents within 250m of the site.

Hazardous Substances

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

Landfills and Waste

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

4.3.11 Information provided by Landmark indicates that there are five areas within 250m of the site where the potential for infilling is possible. These relate to former water features such as ponds, marshes, rivers, streams, or docks that may have been infilled within unknown materials.

- 147m to the south, mapped in 1923
- 152m to the northwest, mapped in 1848
- 212m to the north, mapped in 1923
- 243m to the northeast, mapped in 1955
- 244m to the east, mapped in 1923

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

- Pond 144m to the northwest, last mapped in 1976
- Leigh Brook 149m to the south, last mapped in 1934
- Fallowfield Brook 211m to the north, last mapped in 1976

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

4.4 Radon

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

4.5 Hydrogeology

Superficial Deposits

4.5.1 The Environment Agency aquifer classification scheme indicates that the superficial aquifer designation for the site is classed as Secondary Undifferentiated aquifer which are generally described as having been

'*assigned in cases where it has not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.'* (EA general description).

Bedrock

4.5.2 The Environment Agency aquifer classification scheme indicates that the bedrock aquifer designation for the site is classed as Principal 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).

Groundwater Abstractions

4.5.3 There are no licensed groundwater abstraction points recorded within 1000m of the site.

4.5.4 There are no public drinking water abstractions recorded within 2000m of the site.

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

4.5.6 There is a Zone III (total catchment) Source Protection Zone (SPZ) located 433m to the northeast of the site.

4.6 Hydrology

4.6.1 The nearest surface watercourse to the site is an unnamed feature located 326m to the east of the site.

4.6.2 There are no discharge consents recorded within 250m of the site

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

Surface Water Abstractions

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

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

4.7 Mining, Subsidence and Foundations

4.7.1 There are no BGS recorded mineral sites recorded within 250m of the site.

4.7.2 The Coal Authority online gazetteer indicates that the site is not located within a coal mining area and that a Coal Authority mining report is not required for the site.

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

4.7.4 The Cheshire Brine Subsidence Compensation Board indicates that the site not located within a brine extraction area.

4.7.5 The British Geological Survey provide risk ratings for the potential geological hazards outlined below in Table 4.3: Potential Geological Hazards.

Table 4.3: Potential Geological Hazards

Potential Geological Hazard	Hazard Potential
Collapsible Ground	Very low
Compressible Ground	No hazard

Potential Geological Hazard	Hazard Potential
Ground Dissolution	No hazard
Landslides	Very low
Running Sands	Very low
Shrinking or Swelling Clay	Very low

4.8 Environmentally Sensitive Sites

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

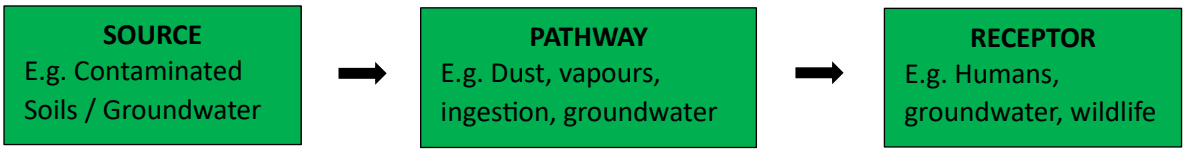
5.0 PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT

5.1 Introduction

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

5.2 Risk Assessment Methodology

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



5.2.2 **Source** – A source can be defined as a potential contaminant, substance, or condition that has the potential to cause harm to the environment, humans or other flora and fauna.

5.2.3 **Pathway** – A pathway is defined as the route by which a source is brought into contact with a receptor. This can include the transport of contamination via groundwater, wind borne dust, vapours, excavation and deposition, dermal contact, ingestion and inhalation.

5.2.4 **Receptor** – Receptors are defined as anything that can be affected by a source such as human beings, flora and fauna, other living organisms, groundwater and surface water, physical systems and built structures.

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

5.2.6 A risk may be considered present if all three of the above exist and thereby form a "**pollutant linkage**".

5.3 Outline Conceptual Site Model

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

Potential Sources (on and off site):

5.3.2 The following are potential sources of contamination that have been considered: -

- Made Ground / reworked soils and rock beneath the site associated with construction and demolition on site and of the surrounding area.

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

Potential Pathways

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

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

Potential Receptors

5.3.4 The following potential receptors have been identified:

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

5.4 Preliminary Risk Assessment

5.4.1 The Preliminary Risk Assessment has been evaluated using a probability / consequence matrix, which is provided in Appendix C.

5.4.2 The proposed development comprises the construction of a new two-storey residential property with associated garage, hardstanding and soft landscaping.

5.4.3 The underlying geology of the site and surrounding area is indicated to be superficial deposits of Till overlying bedrock of the Chester Formation.

5.4.4 The following risk assessment has been based on the above information.

5.4.5 The discussion below assesses the likelihood of potential Contaminants of Concern (CoC's) with a justification on whether they would likely be present.

5.4.6 The CSM in Table 5.1 then provides a risk rating for the site.

Land Contamination

5.4.7 From the information available, the site itself has had limited historical use. It is therefore unlikely that significant Made Ground will be present beneath the site associated with past construction and demolition on site and the surrounding neighbourhood, and site generated processes. Therefore, the probability for heavy metals, metalloids & inorganics, and PAH to be present on or beneath the site is considered to be **low likelihood**.

5.4.8 No historical or contemporary land uses likely to produce mobile, organic and leachable contamination both on the site and within influencing distance have been identified. Therefore, the probability for mobile, organic and leachable contamination to be present at the site is considered to be **unlikely**.

5.4.9 No historical and contemporary land uses likely to produce volatile contamination (VOC's & SVOC's) both on the site and within influencing distance have been identified. Therefore, the probability for VOC's & SVOC's to be present at the site is considered to be **unlikely**.

5.4.10 There are no known electric substations or other sources of Polychlorinated Biphenyls contamination (PCB's) within influencing distance of the site. Therefore, the probability for PCBs to be present at the site is considered to be **unlikely**.

5.4.11 It is possible that further electric substations or former electric substations are present within influencing distance to the site associated with the surrounding area that have not been identified on the historical maps.

5.4.12 Asbestos fibres and Asbestos Containing Materials (ACM's) could be present within any Made Ground and or shallow natural soils beneath the site as a result of historic site uses, and phases of construction and demolition. The probability for ACM's to be present at the site is considered to be **unlikely**.

5.4.13 Based on the above, the site history, and the environmental information available, it is unlikely that any significant potential contaminants are present on the site, and the risk to human health is considered to be **Low** at this stage.

Hazardous Ground Gasses

5.4.14 Considering the distances between the features and the site and the time that has elapsed since they were potentially infilled, the probability of hazardous gases being present beneath the site is unlikely, and therefore the risk from hazardous ground gases is considered to be **Low**.

5.4.15 Landmark indicates that the site is within a lower probability radon area, as less than 1% of homes are above the action level. Therefore, no radon protection measures are necessary in the construction of new dwellings or extensions.

Groundwater

5.4.16 The superficial aquifer beneath the site is classified as Secondary Undifferentiated and the bedrock aquifer is classified as Principal. There are no groundwater abstractions within 1000m or drinking water abstractions within 2000m of the site. There is a Zone III SPZ located 433m to the northeast.

5.4.17 There are no significant potential contaminants identified on this site.

5.4.18 Based on the above, the environmental information available and the absence of a nearby potable groundwater abstraction point, the probability for contamination at the site to impact the groundwater is unlikely, and therefore the risk to groundwater is considered to be **Very Low** at this stage.

Surface Water

5.4.19 The nearest surface water feature to the site is 326m to the east. There are no recorded discharge consents or surface water abstractions within influencing distance of the site.

5.4.20 There are no significant potential contaminants identified on this site.

5.4.21 Based on the above, the environmental information available and the proximity of the nearest surface water feature, the probability for contamination at the site to impact the surface water courses is unlikely, and therefore the risk to surface water courses is considered to be **Very Low** at this stage.

Plants and Native Grasses

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

5.4.23 Based on the site history and the environmental information available, there are no significant potential contaminants identified on the site and the risk to plants is considered to be **Very Low** at this stage.

Water Supply / Plastic Pipes

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

Preliminary Conceptual Site Model

5.4.25 From the above information a CSM has been produced showing the preliminary conceptual model and potential pollutant linkages for the site and is presented overleaf in Table 5.1.

5.4.26 At this stage only contaminants of concern that are considered potentially present from the information available have been included in the CSM.

Table 5.1: Preliminary Conceptual Site Model and Potential Pollutant Linkages

Potential Sources	Contaminants of Concern	Potential Pathway	Potential Receptor	Potential Pollutant Linkage	Probability	Consequence	Risk Classification	Action / Mitigation / Justification
Made Ground both on site and within influencing distance of the site Current and former land uses both on site and within influencing distance of the site	Heavy metals, sulphates and inorganics PAH's Asbestos	Ingestion Inhalation Dermal Contact	**Human health** Including current site users, future site users	Considered potentially active	Low likelihood	Mild	**Low**	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
			Human health Construction workers	Considered potentially active	Low likelihood	Mild	**Low**	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
			Human health Neighbouring residents	Considered potentially active	Unlikely	Mild	**Very low**	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
Landfill sites Potentially infilled Land (ponds, quarries, reservoirs etc) Made Ground Natural organic soils Coal mining Fuel Stations (on and off-site sources)	Hazardous ground gases including CO_2, CH_4 CO, H_2S Vapours	Inhalation Explosion	**Human health** Including current site users, future site users, neighbouring residents and constructions workers **Buildings**	Considered potentially active	Unlikely	Severe	**Low**	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
Made Ground on site Current and former land uses on site	Heavy metals, sulphates and inorganics	Lateral and vertical migration and leaching of contaminants into local groundwater	**Underlying Aquifer** (Potable water)	Considered potentially active	Unlikely	Mild	**Very low**	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.

Potential Sources	Contaminants of Concern	Potential Pathway	Potential Receptor	Potential Pollutant Linkage	Probability	Consequence	Risk Classification	Action / Mitigation / Justification
Made Ground on site Current and former land uses on site	Heavy metals, sulphates and inorganics	Lateral and vertical migration and leaching of contaminants into surface water bodies via permeable strata and features.	Local **water courses** and associated flora and fauna	Considered potentially active	Unlikely	Mild	**Very low**	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.
Made Ground beneath the site Current and former site uses	Phytotoxic elements	Plant uptake	**Plants and vegetation**	Considered potentially active	Unlikely	Minor	**Very low**	No further action, however, if Made Ground or any visual or olfactory evidence of contamination is encountered on site then this risk will need to be reassessed.

6.0 PRELIMINARY GEOTECHNICAL ASSESSMENT

6.1 General

6.1.1 The underlying shallow geology is likely to consist of superficial deposits of Till overlying bedrock of the Chester Formation.

6.1.2 Made Ground may also be present on site.

6.1.3 Based upon the information reviewed, a list of potential geotechnical risks has been outlined below in Table 6.1: Potential Geotechnical Risks, which presents a summary of the likely geotechnical risks potentially present at the site.

Table 6.1: Potential Geotechnical Risks

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

6.2 Discussion

Structures

6.2.1 The nature and distribution of geotechnical properties of the near surface strata have not been fully identified within this study, therefore it is not possible at this stage, to give meaningful advice as to the type, nature, and construction of any foundations for the proposed development.

6.2.2 A suitable geotechnical site investigation should be carried out at the site to confirm ground conditions, geotechnical parameters, details of the groundwater regime, and other general site details to facilitate suitable foundation and substructure design.

Sustainable Drainage

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

6.2.4 Based on the indicative ground conditions encountered it is **unlikely** that soakaways would be suitable at the site, however the presence and thickness (if present) of Made Ground at the site may result in sustainable drainage not being practical or feasible. If sustainable drainage is to be considered, it is recommended that soak-away testing is carried out in accordance with BRE 365 at the site to establish the site's suitability for sustainable drainage.

7.0 CONCLUSIONS AND RECOMMENDATIONS

7.1 Conclusions

Environmental

7.1.1 A review of the preliminary information reveals that future end users of the site are potentially at **Low** risk of being affected by contamination in soils and / or groundwater beneath this site.

7.1.2 Risks to construction workers from the site are considered to be **Low** at this stage.

7.1.3 Risks to neighbouring residents from the site are considered to be **Very Low** at this stage.

7.1.4 The risks of hazardous ground gasses affecting the site are considered to be **Low** at this stage.

7.1.5 No radon protection measures are necessary in the construction of new dwellings or extensions.

7.1.6 The risks to drinking water and groundwater are considered to be **Very Low** at this stage.

7.1.7 The risks to surface waters are considered to be **Very Low** at this stage.

7.1.8 Risks to plants and native grasses are considered to be **Very Low** at this stage.

Geotechnical

7.1.9 The nature and distribution of geotechnical properties of the near surface strata have not been fully identified within this study, therefore it is not possible at this stage, to give meaningful advice as to the type, nature, and construction of any foundations for the proposed development.

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

7.1.11 The site is not considered to be affected shallow coal mining. Therefore, risks from shallow coal mining are considered to be **Very Low** at this stage.

7.1.12 The site is not considered to be affected by brine extraction. Therefore, risks from brine extraction are considered to be **Very Low** at this stage.

7.1.13 The site is not considered to be affected by ground dissolution. Therefore, risks from ground dissolution are considered to be **Very Low** at this stage.

7.1.14 Based on the indicative ground conditions identified it is unlikely that sustainable drainage would be suitable at the site. If sustainable drainage is to be considered, it is recommended that soak-away testing is carried out in accordance with BRE 365 at the site to establish the site's suitability for sustainable drainage.

7.2 Recommendations

7.2.1 It is recommended that a suitable combined phase II environmental and geotechnical site investigation is carried out at the site to establish the presence, type and nature of any contamination at the site and provide a Generic Quantitative Risk Assessment (GQRA); and, to identify the ground conditions and provide details of their engineering properties in order to facilitate foundation design for the proposed development.

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

7.3 Other Considerations

Soakaways

7.3.1 In accordance with National Planning and Policy Framework (NPPF) and Local Planning Guidance, the LPA will require that surface water drainage from the proposed development complies with current design practices for Sustainable Drainage Systems (SuDS) construction of separate drainage systems for foul and surface water.

7.3.2 Soakaway Testing should be considered to determine the suitability for sustainable drainage at the site.

Plastic Water Pipes

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

7.3.4 Considerations should be given to sampling and chemical analysis of the materials that any plastic water supply pipes will be laid in.

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

Radon

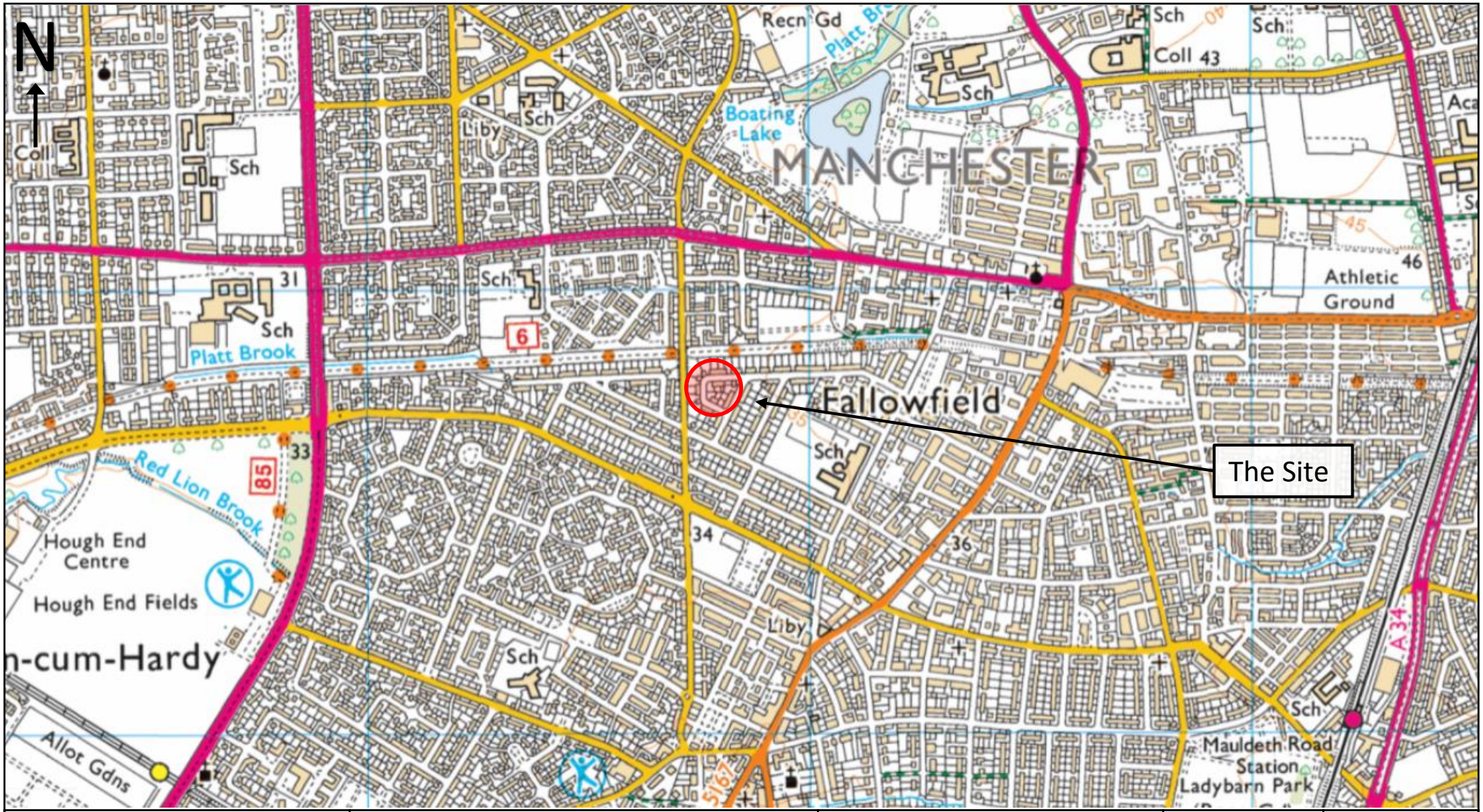
7.3.6 Radon protection measures are not required at this site.

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APPENDIX A

DRAWINGS



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PROJECT ID	DRAWING NUMBER	SCALE
GSI 2245 7a Colgate Crescent, Manchester	GSI 2245/01	N.T.S
TITLE	**DATE**	**DRAWN BY**
Site Location Plan	November 2024	DD

APPENDIX B

ENVIROCHECK REPORT

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
363030306_1_1

Customer Reference:
GSI 2245

National Grid Reference:
384770, 393780

Slice:
A

Site Area (Ha):
0.03

Search Buffer (m):
1000

Site Details:

7a Colgate Crescent
MANCHESTER
M14 6FN

Client Details:

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

Contents

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Waste	10
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Geological	13
Industrial Land Use	16
Sensitive Land Use	-
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Data Suppliers	34
Useful Contacts	35

Introduction

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

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Radon Potential dataset Copyright Notice

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

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Report Version v53.0

GEOCON®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes		n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			2	5
Prosecutions					
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2			1	7
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3			Yes	
Pollution Incidents to Controlled Waters	pg 3			2	11
Historical Prosecutions					
Registered Radioactive Substances					
Substantiated Pollution Incident Register					
Water Abstractions					
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 6	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones	pg 6			1	
Extreme Flooding from Rivers or Sea without Defences	pg 6	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 6		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 6		2	4	13
Water Framework Directive - Catchment	pg 8	Yes	Yes	Yes	
Water Framework Directive - Groundwater	pg 9	Yes			
Water Framework Directive - Surface Waters					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 10	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 10		5	9	30
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

GEOCON®

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 13	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 13	Yes		Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages	pg 14				Yes
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 15	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 16		2	10	55
Fuel Station Entries	pg 21			1	2
Points of Interest - Commercial Services	pg 22		3	5	18
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 24				3
Points of Interest - Public Infrastructure	pg 24			5	18
Points of Interest - Recreational and Environmental	pg 26			3	8
Underground Electrical Cables					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	0	1	384767 393781
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	229	1	385000 393781
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Wellington Road, North Of Victoria Road, Fallowfield, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0314 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: Leigh Brook **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	396	2	385080 393520
1	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Wellington Road, North Of Victoria Road, Fallowfield, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982732 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 12th December 2014 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Leigh Brook **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	400	2	385080 393515
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lombard Gr/Lorne Rd, Fallowfield, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0344 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: Cringle Brook **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	522	2	385230 393520
2	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Lombard Gr/Lorne Rd, Fallowfield, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982821 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Cringle Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	524	2	385230 393515

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Platt Lane Combined Sewer Overflow 114 Platt Lane, Rusholme, Manchester, Greater Manchester, M14 5xe Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016941067 Permit Version: 1 Effective Date: 1st January 1900 Issued Date: Not Supplied Revocation Date: 3rd December 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Platt Brook **Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989** Positional Accuracy: Located by supplier to within 100m	A18SE (N)	619	2	384900 394400
4	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Wilmslow Rd/Brook Rd Cso, Fallowfield, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982985 Permit Version: 1 Effective Date: 22nd June 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Leigh Brook **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	638	2	385340 393480
5	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Platt Lane Combined Sewer Overflow 114 Platt Lane, Rusholme, Manchester, Greater Manchester, M14 5xe Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016941067 Permit Version: 2 Effective Date: 4th December 2019 Issued Date: 4th December 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: Platt Brook Via Sws **Status: Varied under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18SE (N)	672	2	384944 394444
6	**Local Authority Pollution Prevention and Controls** Name: Wilbraham Road Service Station Location: 32 Wilbraham Road, Fallowfield, MANCHESTER, Lancashire, M14 7LW Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/052/10 Dated: 16th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	362	3	384943 394113
7	**Local Authority Pollution Prevention and Controls** Name: Wellington Garage Location: 158 Wellington Road, Withington, MANCHESTER, M20 3FU Authority: Manchester City Council, Environmental Health Department Permit Reference: 04/91 Dated: 30th September 1991 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	540	3	384991 393276

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	**Local Authority Pollution Prevention and Controls** Name: Johnsons Cleaners Uk Ltd Location: 440-442 Wilmslow Road, Withington, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/22/07 Dated: 16th April 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A8NE (S)	663	3	384950 393130
9	**Local Authority Pollution Prevention and Controls** Name: Tcs - Fallowfield Location: 377-385 Wilmslow Road, Fallowfield, MANCHESTER, Lancashire, M20 4WA Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/044/06 Dated: 7th December 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	A14SW (SE)	671	3	385394 393520
10	**Local Authority Pollution Prevention and Controls** Name: Gregory'S Laundry & Drycleaners Location: 465 Wilmslow Road, Withington, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/01/07 Dated: 1st February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A8SE (S)	738	3	384951 393053
11	**Local Authority Pollution Prevention and Controls** Name: Lms Cleaners Location: 4 Whitchurch Road, Withington, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/15/07 Dated: 12th February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	843	3	384619 392938
12	**Local Authority Pollution Prevention and Controls** Name: Mr Bubbles Location: 246 Wilmslow Road, Fallowfield, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/16/07 Dated: 12th February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A14NE (E)	843	3	385556 394101
13	**Local Authority Pollution Prevention and Controls** Name: Malthurst Princess Service Station Location: Princess Parade, Princess Road, MANCHESTER, Lancashire, M14 7FG Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/020/05 Dated: 14th December 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	A12NW (W)	866	3	383904 393912
	Nearest Surface Water Feature	A13NE (E)	326	-	385078 393904
14	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Other Location: Co-Op Fire, Manchester Road, CHORLTON Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Fire water / Foam Note: 5 Pumps; Fire Water To Drains Incident Date: 1st November 1998 Incident Reference: SO981929 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	348	2	384600 394100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Gore Brook Incident Date: 23rd November 1995 Incident Reference: 95642919 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	461	2	384300 393800
16	**Pollution Incidents to Controlled Waters** Property Type: Natural Sources Location: Platt Fields Park, Wilmslow Road, MANCHESTER, Greater Manchester Authority: Environment Agency, North West Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 26th July 1999 Incident Reference: 30613 Catchment Area: River Mersey (Etherow) Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	556	2	385001 394301
17	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Oil Note: Fallowfield Brook; Engine Oil Incident Date: 28th June 1993 Incident Reference: 93641324 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	561	2	384200 393800
18	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Nico Ditch Incident Date: 26th June 1995 Incident Reference: 95641530 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	661	2	384500 394400
19	**Pollution Incidents to Controlled Waters** Property Type: Petrol/Fuelling Stations Location: Wilmslow Road , RUSHOLME Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Diesel Fuel To Grounds Incident Date: 23rd December 1998 Incident Reference: SO982214 Catchment Area: Mersey - Non-Tidal Receiving Water: Onto Land Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	662	2	385400 394000
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Fuel Oil Note: Chorlton Brook Incident Date: 16th February 1995 Incident Reference: 95640308 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	732	2	384300 393200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Pollution Incidents to Controlled Waters** Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Tributary Gore Incident Date: 14th June 1995 Incident Reference: 95641414 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	794	2	385200 393100
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Gore Brook Incident Date: 5th September 1993 Incident Reference: 93641728 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	825	2	385200 394500
23	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Wilbraham Road , Princess Road Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: 25 Litres Of Petrol To Drains Incident Date: 2nd November 1998 Incident Reference: SO981943 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Road Traffic Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	915	2	383900 394100
24	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Hough End Brook, Up Stream Of Chorlton Brook Authority: Environment Agency, North West Region Pollutant: Surcharged Sewage Note: Smell Incident Date: 3rd September 1998 Incident Reference: SO981604 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	995	2	383805 393495
24	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: Chorlton Brook; Algae Incident Date: 20th April 1996 Incident Reference: 96640858 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Algal Bloom Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	998	2	383800 393500
24	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Chorlton Brook , CHORLTON Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Oil Pollution; Chrolton Brook; Oil Incident Date: 20th March 1997 Incident Reference: 97640462 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	1000	2	383800 393495

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Low Vulnerability Combined Vulnerability: Low Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: <40% Superficial Patchiness: >90% Superficial Thickness: <3m Superficial Recharge: Low	A13SE (S)	0	4	384767 393781
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (S)	0	4	384767 393781
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (S)	0	4	384767 393781
25	**Source Protection Zones** Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A18SE (NE)	433	2	384992 394168
	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	2	384767 393781
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	36	2	384730 393752
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
26	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 827.6 Watercourse Level: Underground Permanent: True Watercourse Name: Fallowfield Brook Catchment Name: Mersey Primacy: 1	A13NW (N)	90	5	384760 393885
27	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1590.6 Watercourse Level: Underground Permanent: True Watercourse Name: Cringle Brook Catchment Name: Mersey Primacy: 1	A13SW (S)	145	5	384746 393625
28	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 967.0 Watercourse Level: Underground Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A13NW (NW)	265	5	384630 394022

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 187.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fallowfield Brook Catchment Name: Mersey Primacy: 1	A13NE (E)	327	5	385078 393905
30	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 26.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Leigh Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	480	5	384282 393818
31	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 18.6 Watercourse Level: Underground Permanent: True Watercourse Name: Leigh Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	500	5	384264 393838
32	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2598.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fallowfield Brook Catchment Name: Mersey Primacy: 1	A14NW (E)	502	5	385263 393894
33	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 711.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	513	5	384252 393853
34	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A18SE (N)	658	5	384920 394436
35	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	660	5	384924 394437
36	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A18SE (N)	660	5	384924 394437
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: Underground Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A18SE (N)	664	5	384931 394439

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 618.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Platt Brook Catchment Name: Mersey Primacy: 1	A18SE (N)	668	5	384941 394442
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 379.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	761	5	385221 394408
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 63.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	963	5	385016 392838
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 1.2 Watercourse Level: Underground Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	963	5	385017 392838
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 81.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	963	5	385019 392838
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 64.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	976	5	385098 392849
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 193.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Shaw Brook Catchment Name: Mersey Primacy: 1	A9SW (SE)	991	5	385162 392858
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Fallowfield Brook WaterBody ID: GB112069061410 Operational Catchment: Bollin Dean Mersey Upper Management Catchment: Mersey Upper Catchment Name: Upper Mersey	A13SE (S)	0	2	384767 393781
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Platt Brook (Source to Fallowfield Bk) WaterBody ID: GB112069061060 Operational Catchment: Bollin Dean Mersey Upper Management Catchment: Mersey Upper Catchment Name: Upper Mersey	A13NW (W)	51	2	384710 393790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Chorlton Brook (Princess Parkway to Mersey) WaterBody ID: GB112069061040 Operational Catchment: Bollin Dean Mersey Upper Management Catchment: Mersey Upper Catchment Name: Upper Mersey	A13SW (SW)	386	2	384430 393570
	Water Framework Directive - Catchment Class Code: River Catchment WaterBody Name: Irwell / Manchester Ship Canal (Irk to confluence with Upper Mersey) WaterBody ID: GB112069061452 Operational Catchment: Croal Irwell Management Catchment: Irwell Catchment Name: Irwell	A18SW (NW)	399	2	384550 394130
	Water Framework Directive - Groundwater Waterbody Name: Manchester and East Cheshire Permo-Triassic Sandstone Aquifers Waterbody ID: GB41201G101100 URL Address: https://environment.data.gov.uk/catchment-planning/WaterBody/GB41201G101100 Overall Rating: Poor Chemical Rating: Poor Quantitative Measure: Poor Year: 2019	A13SE (S)	0	2	384767 393781

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	6	384767 393781
45	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13SW (S)	147	-	384736 393624
46	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (NW)	152	-	384675 393916
47	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13NE (N)	212	-	384782 394007
48	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (NE)	243	-	384941 393968
49	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13NE (E)	244	-	385014 393807
50	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NW (NW)	280	-	384622 394035
51	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A13NW (N)	329	-	384651 394102
52	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NE (W)	364	-	384397 393785
53	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (SE)	395	-	385072 393512
54	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (NE)	395	-	385010 394109
55	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (NE)	399	-	385100 394021
56	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (W)	433	-	384343 393899
57	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (E)	460	-	385220 393669
58	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (E)	497	-	385263 393859
59	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A18SE (N)	537	-	384903 394315
60	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NE (S)	572	-	384986 393238
61	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NE (SE)	586	-	385057 393257
62	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (NE)	589	-	385272 394104
63	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NE (SE)	594	-	385092 393268
64	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SW (E)	628	-	385381 393617

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NE (SE)	643	-	385096 393214
66	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SE (NW)	655	-	384376 394321
67	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	671	-	385274 394238
68	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A12SW (W)	702	-	384067 393666
69	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NW (W)	722	-	384067 393989
70	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A19SW (NE)	724	-	385226 394358
71	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A19SW (NE)	750	-	385363 394255
72	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	772	-	385360 393270
73	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	776	-	385542 393684
74	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	779	-	383992 393644
75	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NW (W)	803	-	384010 394075
76	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SW (NW)	816	-	384016 394122
77	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	831	-	385598 393689
78	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	834	-	385346 393164
79	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NW (SE)	849	-	385346 393144
80	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A7NE (SW)	865	-	384171 393137
81	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7NE (SW)	882	-	384163 393121
82	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NW (W)	897	-	383892 394007
83	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	917	-	385687 393728
84	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A18NW (N)	922	-	384473 394668
85	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A19NW (NE)	925	-	385320 394539

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A17NE (NW)	932	-	384143 394489
87	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14SE (E)	948	-	385716 393689
88	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A9NE (SE)	954	-	385511 393166

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13SE (S)	0	1	384767 393781
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (S)	0	1	384767 393781
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A8NW (S)	409	1	384626 393383
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (W)	414	1	384355 393869
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A8NW (S)	507	1	384619 393282
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SE (SE)	834	1	385095 393000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: <15 mg/kg	A14SE (E)	859	1	385630 393774

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages 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: 20.00 mg/kg Lead Average Concentration: 270.00 mg/kg Lead Maximum Concentration: 2687.00 mg/kg Nickel Minimum Concentration: 5.00 mg/kg Nickel Average Concentration: 32.00 mg/kg Nickel Maximum Concentration: 137.00 mg/kg	A18NE (N)	905	1	384767 394700
	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	1	384767 393781
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	229	1	385000 393781
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	384767 393781
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	229	1	385000 393781
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	384767 393781
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	229	1	385000 393781
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	384767 393781
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	229	1	385000 393781
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	384767 393781
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	229	1	385000 393781

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	384767 393781
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	229	1	385000 393781
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	384767 393781
	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	1	384767 393781

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	**Contemporary Trade Directory Entries** Name: Cahill Development Ltd Location: 36, Colgate Crescent, Manchester, M14 6FN Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	22	-	384740 393762
90	**Contemporary Trade Directory Entries** Name: Wynne Plumbing Location: 133, Victoria Road, Fallowfield, Manchester, M14 6DA Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	177	-	384589 393730
91	**Contemporary Trade Directory Entries** Name: Landscenes Location: Widgeon Cl, Manchester, Lancashire, M14 7FJ Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	264	-	384561 393963
92	**Contemporary Trade Directory Entries** Name: B P Service Station Location: 32, Wilbraham Road, Manchester, M14 7DW Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	361	-	384943 394113
92	**Contemporary Trade Directory Entries** Name: Esso Location: 32 Wilbraham Road, Manchester, Greater Manchester, M14 7DW Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	361	-	384943 394112
92	**Contemporary Trade Directory Entries** Name: Asda Wilbraham Express Petrol Location: PETROL FILING STATION, 32, WILBRAHAM ROAD, MANCHESTER, M14 7DW Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	361	-	384943 394112
92	**Contemporary Trade Directory Entries** Name: Euro Garages Location: 32, Wilbraham Road, Manchester, M14 7DW Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	361	-	384943 394113
92	**Contemporary Trade Directory Entries** Name: Save Location: 32, Wilbraham Road, Manchester, Lancashire, M14 7DW Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	362	-	384943 394113
92	**Contemporary Trade Directory Entries** Name: Hart Road Motor Company Ltd Location: 112, Hart Road, Manchester, M14 7BB Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	379	-	384933 394138
93	**Contemporary Trade Directory Entries** Name: Can Clean Will Clean Location: 159, Wilbraham Road, Manchester, M14 7DS Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	368	-	384560 394099
94	**Contemporary Trade Directory Entries** Name: Stephen Bostock Location: 75, Rippingham Road, Manchester, M20 3FT Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	450	-	384790 393319

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	**Contemporary Trade Directory Entries** Name: Prestige Location: 3, Darnall Avenue, Manchester, M20 1BZ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	490	-	384272 393749
96	**Contemporary Trade Directory Entries** Name: Wellington Garage Location: 158, Wellington Road, Withington, Manchester, M20 3FU Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	535	-	384987 393280
96	**Contemporary Trade Directory Entries** Name: Uk Medical Centre Ltd Location: 2, Rippingham Road, Manchester, M20 3EX Classification: Chemists' & Pharmacists' Suppliers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (SE)	571	-	384998 393245
97	**Contemporary Trade Directory Entries** Name: J M Polishing Location: 54, Hart Road, Manchester, M14 7AD Classification: French Polishing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	560	-	384642 394340
98	**Contemporary Trade Directory Entries** Name: Supasnaps Location: 703a Wilmslow Rd,Didsbury, Manchester, M14 5AL Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	610	-	385183 393318
99	**Contemporary Trade Directory Entries** Name: South Manchester Auto Bodies Location: 13a, Davenport Avenue, Manchester, M20 3GA Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	615	-	384938 393177
99	**Contemporary Trade Directory Entries** Name: A R C 1 Tec Location: 4, Queen Street West, Manchester, M20 3BQ Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	621	-	384938 393171
99	**Contemporary Trade Directory Entries** Name: Withington Tyres Location: 3, Queen Street West, Manchester, Lancashire, M20 3BQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NE (S)	653	-	384938 393138
99	**Contemporary Trade Directory Entries** Name: Johnson Cleaners (Uk) Ltd Location: Ground Floor, 440-442, Wilmslow Road, Manchester, M20 3BW Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	661	-	384946 393132
99	**Contemporary Trade Directory Entries** Name: Johnson Cleaners (Uk) Ltd Location: 440-442, Wilmslow Road, Manchester, M20 3BW Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	661	-	384946 393132
99	**Contemporary Trade Directory Entries** Name: Dania Group Location: 446, Wilmslow Road, Manchester, M20 3BW Classification: Digital Printing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	670	-	384946 393122
99	**Contemporary Trade Directory Entries** Name: Pro Cleaners Old Moat Location: 448, Wilmslow Road, Manchester, M20 3BW Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	675	-	384945 393116

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	**Contemporary Trade Directory Entries** Name: Fallowfield Service Location: 377, Wilmslow Road, Manchester, M14 6AH Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	677	-	385405 393531
100	**Contemporary Trade Directory Entries** Name: Shell Service Station Location: 377, Wilmslow Road, Manchester, M14 6AH Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	678	-	385406 393530
100	**Contemporary Trade Directory Entries** Name: Shell Fallowfield Service Station Location: 377385 Wilmslow Road,Fallowfield, Manchester, Greater Manchester, M14 6AH Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (E)	678	-	385406 393530
100	**Contemporary Trade Directory Entries** Name: Shell Mfg Fallowfield Location: 377-385, WILMSLOW ROAD, MANCHESTER, M14 6AH Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SW (E)	678	-	385406 393530
101	**Contemporary Trade Directory Entries** Name: Clean Fresh Location: 9, HASSALL AVENUE, MANCHESTER, M20 1PG Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	701	-	384083 393591
101	**Contemporary Trade Directory Entries** Name: Clean Fresh Location: 9, Hassall Avenue, Manchester, M20 1PG Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	701	-	384083 393591
102	**Contemporary Trade Directory Entries** Name: Soap Opera Location: 324-326, Wilmslow Road, Manchester, M14 6XQ Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	706	-	385478 393768
103	**Contemporary Trade Directory Entries** Name: Gregory'S Laundry & Dry Cleaners Location: 462, Wilmslow Road, Manchester, M20 3BG Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	710	-	384928 393076
104	**Contemporary Trade Directory Entries** Name: Hanson Textiles Ltd Location: Surcon House, 11a, Copson Street, Manchester, M20 3HE Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	764	-	384847 393008
104	**Contemporary Trade Directory Entries** Name: Crystal Cleaning (Manchester & Didsbury) Location: Surcon House, 11a, Copson Street, Manchester, M20 3HE Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	764	-	384847 393008
104	**Contemporary Trade Directory Entries** Name: S L P Cleaning Services Location: Surcon House, 11a, Copson Street, Manchester, Lancashire, M20 3HE Classification: Cleaning Materials & Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	764	-	384847 393008

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	**Contemporary Trade Directory Entries** Name: Max Spielmann Location: 485, Wilmslow Road, Manchester, M20 4AN Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	782	-	384917 393000
105	**Contemporary Trade Directory Entries** Name: David Findlay Press Ltd Location: A, 1, Parsonage Road, Manchester, M20 4PB Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	793	-	384962 392999
106	**Contemporary Trade Directory Entries** Name: We Sell Any Car 4 U Location: 37, Hasper Avenue, Manchester, M20 1AX Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	792	-	384205 393206
107	**Contemporary Trade Directory Entries** Name: H K W Car Sales Ltd Location: Mauldeth Road West, Withington, Manchester, Greater Manchester, M20 1BE Classification: Car Dealers - Used **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A12SW (W)	795	-	383968 393723
108	**Contemporary Trade Directory Entries** Name: Craftworks Location: 18, Burton Road, Manchester, M20 3ED Classification: Wrought Ironwork **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	798	-	384726 392972
109	**Contemporary Trade Directory Entries** Name: Central Tyre Location: 349, Wilmslow Road, Manchester, M14 6XS Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	806	-	385577 393777
110	**Contemporary Trade Directory Entries** Name: Withington Dental Care Location: 240, Mauldeth Road West, Withington, Manchester, M20 1BE Classification: Medical & Dental Laboratories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	810	-	383951 393743
110	**Contemporary Trade Directory Entries** Name: Colourtone Ltd Location: 250, Mauldeth Road West, Withington, MANCHESTER, M20 1BE Classification: Paint Spraying Equipment & Accessories **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	847	-	383915 393733
111	**Contemporary Trade Directory Entries** Name: Old Moat Location: 6, Whitchurch Road, Manchester, M20 1FX Classification: Antiques - Repairing & Restoring **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	838	-	384614 392944
111	**Contemporary Trade Directory Entries** Name: Which Wood Stoves Location: 6, Whitchurch Road, Manchester, M20 1FX Classification: Woodburning Stoves **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	838	-	384614 392944
111	**Contemporary Trade Directory Entries** Name: Lms Cleaners Location: 4, Whitchurch Road, Manchester, M20 1FX Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	841	-	384620 392941
111	**Contemporary Trade Directory Entries** Name: Ims Cleaners Location: 4, Whitchurch Road, Manchester, M20 1FX Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	841	-	384620 392941

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
112	**Contemporary Trade Directory Entries** Name: R & P Clough Location: 310, Platt Lane, Manchester, M14 7BZ Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	843	-	384301 394498
112	**Contemporary Trade Directory Entries** Name: Mydentist Platt Lane Fallowfield Location: 306 Platt Ln,306 Platt Lane, Manchester, Greater Manchester, M14 7FB Classification: Hospitals **Status: Active** Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	844	-	384310 394505
112	**Contemporary Trade Directory Entries** Name: City Domestics Appliances Location: 314, Platt Lane, Manchester, M14 7DA Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	847	-	384293 394498
112	**Contemporary Trade Directory Entries** Name: Nai Tyre Distribution Location: 302, Platt Lane, Manchester, Lancashire, M14 7BZ Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	850	-	384321 394519
113	**Contemporary Trade Directory Entries** Name: Mr Bubbles Location: 246, Wilmslow Road, Manchester, M14 6LD Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	844	-	385556 394102
114	**Contemporary Trade Directory Entries** Name: Platt Lane Garage Ltd Location: 336, Platt Lane, Manchester, M14 7DA Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	851	-	384235 394461
115	**Contemporary Trade Directory Entries** Name: Full Steam Ahead Location: Apartment 9, 15b, Mauldeth Road, Manchester, M20 4NE Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	863	-	385465 393255
116	**Contemporary Trade Directory Entries** Name: Pro Cleaners Fallowfield Location: 1, Clifton Avenue, Manchester, M14 6UD Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	863	-	385625 393640
117	**Contemporary Trade Directory Entries** Name: Malthurst Princess Service Station Location: Princess Parade, Manchester, M14 7FS Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	864	-	383905 393905
117	**Contemporary Trade Directory Entries** Name: Princess Service Station Location: Princess Parade, Manchester, M14 7FS Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	864	-	383905 393905
118	**Contemporary Trade Directory Entries** Name: Loose Leaf Location: Flat 1, 1, Palatine Road, Manchester, Lancashire, M20 3LH Classification: Copying & Duplicating Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	868	-	384876 392907
119	**Contemporary Trade Directory Entries** Name: B P Service Station Location: Princess Road, Manchester, Greater Manchester, M14 7FS Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	871	-	383912 393984

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
119	**Contemporary Trade Directory Entries** Name: A & A Services (Uk) Manchester Location: 5, Princess Parade, Manchester, M14 7FS Classification: Photocopiers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	875	-	383905 393973
119	**Contemporary Trade Directory Entries** Name: The Shed Location: 2, Princess Parade, Manchester, M14 7FS Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	881	-	383905 393997
119	**Contemporary Trade Directory Entries** Name: Bp Express Shopping Location: Princess Rd, Manchester, M14 7FG Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12NW (W)	907	-	383870 393957
120	**Contemporary Trade Directory Entries** Name: Martas Idea Location: 14, Carill Drive, Manchester, M14 6WR Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	892	-	385652 393927
121	**Contemporary Trade Directory Entries** Name: Asco Laboratories Location: 40, Derby Road, Manchester, M14 6US Classification: Laboratories **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	898	-	385548 393318
122	**Contemporary Trade Directory Entries** Name: Ernest Bentley & Sons Ltd Location: Harburg House, 11, Ladybarn Road, Manchester, M14 6WN Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NE (E)	926	-	385693 393877
123	**Contemporary Trade Directory Entries** Name: Part Worn Tyres Location: 14, Bowdon Avenue, Manchester, Lancashire, M14 7HD Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	938	-	383960 394278
124	**Contemporary Trade Directory Entries** Name: Arch Catering Equipment Location: 200, Platt Lane, Manchester, M14 7DE Classification: Catering Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NE (N)	976	-	384782 394771
125	**Contemporary Trade Directory Entries** Name: Brookside Motors Location: 24a, Egerton Road, Manchester, M14 6XA Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	982	-	385718 393507
126	**Fuel Station Entries** Name: Wilbraham Road Service Station Location: 32, Wilbraham Road , Fallowfield , Manchester, Greater Manchester, M14 7DW Brand: Esso Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	371	-	384942 394124
127	**Fuel Station Entries** Name: Mfg Fallowfield Location: 385, Wilmslow Road , Fallowfield , Manchester, Greater Manchester, M14 6AH Brand: Shell Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	681	-	385403 393514

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
128	**Fuel Station Entries** Name: Mfg Princess Location: Princess Road , Withington , Manchester, Greater Manchester, M14 7FS Brand: BP Premises Type: Petrol Station **Status: Open** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	864	-	383905 393905
129	**Points of Interest - Commercial Services** Name: Cahill Development Ltd Location: 36 Colgate Crescent, Manchester, M14 6FN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SW (SW)	22	7	384740 393762
129	**Points of Interest - Commercial Services** Name: P J Cahill (Manchester) Ltd Location: 36 Colgate Crescent, Manchester, M14 6FN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SW (SW)	22	7	384741 393763
129	**Points of Interest - Commercial Services** Name: P J Cahill Manchester Ltd Location: 36 Colgate Crescent, Manchester, M14 6FN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13SW (SW)	22	7	384741 393763
130	**Points of Interest - Commercial Services** Name: Car Wash Location: 32 Wilbraham Road, Manchester, M14 7DW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SE (NE)	371	7	384942 394124
130	**Points of Interest - Commercial Services** Name: Wilbraham Road Service Station Location: 32 Wilbraham Road, Manchester, M14 7DW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SE (NE)	371	7	384942 394124
130	**Points of Interest - Commercial Services** Name: B P Car Wash Location: Wilbraham Road, Manchester, M14 7DW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SE (NE)	371	7	384942 394124
130	**Points of Interest - Commercial Services** Name: Hart Road Service Station Location: 112 Hart Road, Manchester, M14 7BB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	377	7	384931 394136
130	**Points of Interest - Commercial Services** Name: Hart Road Motor Company Ltd Location: 112 Hart Road, Manchester, M14 7BB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SE (NE)	379	7	384933 394138
131	**Points of Interest - Commercial Services** Name: Wellington Garage Ltd Location: 158 Wellington Road, Withington, Manchester, M20 3FU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	535	7	384987 393280
131	**Points of Interest - Commercial Services** Name: Wellington Garage Location: 158 Wellington Road, Old Moat, Manchester, M20 3FU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	535	7	384987 393279
132	**Points of Interest - Commercial Services** Name: South Manchester Auto Bodies Location: 13a Davenport Avenue, Manchester, M20 3GA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	597	7	384938 393196

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
132	**Points of Interest - Commercial Services** Name: Auto Repair Centre 1 Ltd Location: 4 Queen Street West, Manchester, M20 3BQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	620	7	384938 393172
132	**Points of Interest - Commercial Services** Name: Arc 1 Auto Repair Centre Ltd Location: 4 Queen Street West, Manchester, M20 3BQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	620	7	384938 393172
132	**Points of Interest - Commercial Services** Name: A R C 1 Tec Location: 4 Queen Street West, Manchester, M20 3BQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	621	7	384938 393171
132	**Points of Interest - Commercial Services** Name: Auto Repair Centre Location: 2 Queen Street West, Manchester, M20 3BQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	625	7	384947 393169
132	**Points of Interest - Commercial Services** Name: Withington Tyres Location: 3 Queen Street West, Manchester, M20 3BQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	653	7	384938 393138
133	**Points of Interest - Commercial Services** Name: Shell Car Wash Location: 377-385 Wilmslow Road, Manchester, M14 6AH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (E)	678	7	385406 393530
133	**Points of Interest - Commercial Services** Name: Mfg Fallowfield Location: 385 Wilmslow Road, Fallowfield, Manchester, M14 6AH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (SE)	681	7	385403 393514
133	**Points of Interest - Commercial Services** Name: Car Wash Location: 385 Wilmslow Road, Fallowfield, Manchester, Lancashire, M14 6AH Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14SW (SE)	681	7	385403 393514
134	**Points of Interest - Commercial Services** Name: S J Location: 18 Thurlwood Avenue, Manchester, M20 1DQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	805	7	384105 393302
135	**Points of Interest - Commercial Services** Name: Platt Lane Garage Ltd Location: 336 Platt Lane, Manchester, M14 7DA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	851	7	384235 394460
135	**Points of Interest - Commercial Services** Name: Platt Lane Garage Location: 334-336 Platt Lane, Manchester, Lancashire, M14 7DA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	856	7	384245 394474
136	**Points of Interest - Commercial Services** Name: Car Wash Location: Princess Road, Withington, Manchester, Lancashire, M14 7FS Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NW (W)	864	7	383905 393905

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	**Points of Interest - Commercial Services** Name: Pretty Clean Location: 3 Standish Road, Manchester, M14 6NP Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A14NE (E)	885	7	385648 393912
138	**Points of Interest - Commercial Services** Name: Brookside Motors Location: 24a Egerton Road, Manchester, M14 6XA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	982	7	385718 393507
138	**Points of Interest - Commercial Services** Name: Brookside Motors Location: 24a Egerton Road, Manchester, M14 6XA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	983	7	385719 393508
139	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	608	7	384935 393183
139	**Points of Interest - Manufacturing and Production** Name: Works Location: M20 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	608	7	384932 393182
140	**Points of Interest - Manufacturing and Production** Name: Tank Location: M14 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	914	7	384229 394534
141	**Points of Interest - Public Infrastructure** Name: Asda Wilbraham Express Petrol Location: 32 Wilbraham Road, Manchester, M14 7DW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NE (NE)	361	7	384943 394112
141	**Points of Interest - Public Infrastructure** Name: Esso Location: 32 Wilbraham Road, Manchester, M14 7DW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SE (NE)	369	7	384942 394122
141	**Points of Interest - Public Infrastructure** Name: BP Wilbraham Service Station Location: 32 Wilbraham Road, Manchester, M14 7DW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SE (NE)	371	7	384942 394124
141	**Points of Interest - Public Infrastructure** Name: BP Service Station Location: Wilbraham Road, Manchester, M14 7DW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SE (NE)	371	7	384942 394124
141	**Points of Interest - Public Infrastructure** Name: Wilbraham Road Service Station Location: 32 Wilbraham Road, Manchester, M14 7DW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SE (NE)	371	7	384942 394124
142	**Points of Interest - Public Infrastructure** Name: Shell Fallowfield Service Station Location: 377385 Wilmslow Road, Fallowfield, Manchester, M14 6AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	673	7	385396 393518

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
142	**Points of Interest - Public Infrastructure** Name: Shell Service Station Location: Fallowfield Service Station 377-385, Wilmslow Road, Manchester, M14 6AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	676	7	385399 393517
142	**Points of Interest - Public Infrastructure** Name: Tcs Fallowfield Location: 377/385 Wilmslow Road, Fallowfield, Manchester, Greater Manchester, M14 6AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	676	7	385404 393530
142	**Points of Interest - Public Infrastructure** Name: Spring Petroleum Co Ltd Location: 377 Wilmslow Road, Manchester, M14 6AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	677	7	385405 393531
142	**Points of Interest - Public Infrastructure** Name: Shell Mfg Fallowfield Location: 377-385 Wilmslow Road, Manchester, M14 6AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (E)	678	7	385406 393530
142	**Points of Interest - Public Infrastructure** Name: Fallowfield Location: 377 Wilmslow Road, Manchester, M14 6AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	681	7	385403 393514
142	**Points of Interest - Public Infrastructure** Name: Shell (UK) Ltd Location: 385 Wilmslow Road, Manchester, M14 5TQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	681	7	385403 393514
142	**Points of Interest - Public Infrastructure** Name: Mfg Fallowfield Location: 385 Wilmslow Road, Fallowfield, Manchester, M14 6AH Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SW (SE)	681	7	385403 393514
143	**Points of Interest - Public Infrastructure** Name: Tesco Petrol Filling Station Location: 260 Wilmslow Road, Manchester, M14 6JR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14NE (E)	805	7	385557 393967
144	**Points of Interest - Public Infrastructure** Name: BP Service Station Location: Princess Parade, Manchester, M14 7FS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NW (W)	864	7	383905 393905
144	**Points of Interest - Public Infrastructure** Name: Malthurst Princess Service Station Location: Princess Parade, Manchester, M14 7FS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NW (W)	864	7	383905 393905
144	**Points of Interest - Public Infrastructure** Name: Princess Service Station Location: Princess Parade, Manchester, M14 7FS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NW (W)	864	7	383905 393904
144	**Points of Interest - Public Infrastructure** Name: Malthurst Princess Filling Station Location: Princess Parade, Manchester, M14 7FS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NW (W)	864	7	383905 393905

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	**Points of Interest - Public Infrastructure** Name: Mfg Princess Location: Princess Road, Withington, Manchester, M14 7FS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NW (W)	864	7	383905 393905
144	**Points of Interest - Public Infrastructure** Name: BP Service Station Location: Princess Road, Manchester, M14 7FS Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NW (W)	871	7	383912 393984
145	**Points of Interest - Public Infrastructure** Name: Greater Manchester County Fire Service Location: Fire Station, Wilmslow Road, Manchester, M20 4AW Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A8SE (S)	977	7	384926 392805
145	**Points of Interest - Public Infrastructure** Name: Fire Station Withington Location: Fire Station, Wilmslow Road, Manchester, M20 4AW Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A8SE (S)	977	7	384926 392805
145	**Points of Interest - Public Infrastructure** Name: Withington Fire Station Location: 507 Wilmslow Road, Manchester, M20 4AW Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A8SE (S)	979	7	384927 392802
146	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	304	7	384763 393465
146	**Points of Interest - Recreational and Environmental** Name: Playground Location: Mauldeth Road West, M20 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SE (S)	316	7	384772 393453
147	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	449	7	384492 393410
148	**Points of Interest - Recreational and Environmental** Name: Bmx Track Location: M14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	572	7	385171 394204
149	**Points of Interest - Recreational and Environmental** Name: Skatepark Location: M14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	671	7	385241 394274
149	**Points of Interest - Recreational and Environmental** Name: Playground Location: Nr Albion Road, M14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19SW (NE)	678	7	385180 394335
149	**Points of Interest - Recreational and Environmental** Name: Play Area Location: M14 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	736	7	385184 394404

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	**Points of Interest - Recreational and Environmental** Name: Platt Fields Park Location: Wilmslow Road, Rusholme, Manchester, M14 6LA Category: Recreational Class Code: Municipal Parks And Gardens Positional Accuracy: Positioned to address or location	A18NE (N)	686	7	384925 394464
150	**Points of Interest - Recreational and Environmental** Name: Platt Fields Park Location: Wilmslow Road, Rusholme, Manchester, M14 6LA Category: Recreational Class Code: Municipal Parks And Gardens Positional Accuracy: Positioned to address or location	A18NE (N)	686	7	384925 394464
151	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	985	7	385013 394750
151	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	986	7	384973 394760

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Trafford Metropolitan Borough Council - Renewal and Environmental Protection	November 2013	Annual Rolling Update
Environment Agency - Head Office	November 2023	Annually
Manchester City Council - Environmental Health Department	October 2017	Annual Rolling Update
Salford City Council - Environmental Health Department	October 2017	Annual Rolling Update
Stockport Metropolitan Borough Council - Environment Team (Land & Water)	October 2017	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	October 2017	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	July 2024	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	
Integrated Pollution Controls		
Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	July 2024	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Salford City Council - Environmental Health Department	December 2020	Variable
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Variable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Variable
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls		
Salford City Council - Environmental Health Department	December 2020	Annual Rolling Update
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	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
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Tameside Metropolitan Borough Council - Environmental Health Department	June 2015	Variable
Salford City Council - Environmental Health Department	March 2015	Variable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Variable
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	September 2024	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	
Historical Prosecutions		
Environment Agency, North West Region	March 2013	Not Applicable
Registered Radioactive Substances		
Environment Agency - Head Office	May 2023	
Environment Agency - North West Region	May 2023	
Substantiated Pollution Incident Register		
Environment Agency - North West Region - South Area	October 2024	Quarterly
Water Abstractions		
Environment Agency - North West Region	October 2024	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map		
Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations		
Environment Agency - Head Office	January 2018	As notified

Agency & Hydrological	Version	Update Cycle
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	As notified
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	
OS Water Network Lines Ordnance Survey	October 2024	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified
Water Framework Directive - Catchment Environment Agency - Head Office	July 2023	Annually
Water Framework Directive - Groundwater Environment Agency - Head Office	July 2024	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites		
Environment Agency - Head Office	August 2024	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	August 2024	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	July 2024	Quarterly
Local Authority Landfill Coverage		
Manchester City Council - Planning Department	February 2003	Not Applicable
Salford City Council - Environmental Health Department	February 2003	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	February 2003	Not Applicable
Tameside Metropolitan Borough Council	February 2003	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	February 2003	Not Applicable
Local Authority Recorded Landfill Sites		
Manchester City Council - Planning Department	October 2018	
Salford City Council - Environmental Health Department	October 2018	
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2018	
Tameside Metropolitan Borough Council	October 2018	
Trafford Metropolitan Borough Council - Environmental Health Department	October 2018	
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	June 2015	
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	September 2024	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements		
Manchester City Council - Planning Department	February 2016	Variable
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Variable
Trafford Metropolitan Borough Council	July 2023	Variable
Salford City Council	June 2016	Variable
Tameside Metropolitan Borough Council - Planning and Building Control	June 2023	Variable
Planning Hazardous Substance Consents		
Trafford Metropolitan Borough Council	April 2016	Variable
Manchester City Council - Planning Department	February 2016	Variable
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Variable
Tameside Metropolitan Borough Council - Planning and Building Control	February 2016	Variable
Salford City Council	June 2016	Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	March 2024	Bi-Annually
BGS Urban Soil Chemistry Averages British Geological Survey - National Geoscience Information Service	December 2015	As notified
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	September 2024	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2024	Quarterly
Points of Interest - Commercial Services PointX	September 2024	Quarterly
Points of Interest - Education and Health PointX	September 2024	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2024	Quarterly
Points of Interest - Public Infrastructure PointX	September 2024	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2024	Quarterly
Underground Electrical Cables National Grid	January 2024	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	April 2024	Bi-Annually
Areas of Adopted Green Belt		
Manchester City Council	July 2024	Quarterly
Salford City Council	July 2024	Quarterly
Stockport Metropolitan Borough Council	July 2024	Quarterly
Tameside Metropolitan Borough Council	July 2024	Quarterly
Trafford Metropolitan Borough Council	July 2024	Quarterly
Areas of Unadopted Green Belt		
Manchester City Council	July 2024	Quarterly
Salford City Council	July 2024	Quarterly
Stockport Metropolitan Borough Council	July 2024	Quarterly
Tameside Metropolitan Borough Council	July 2024	Quarterly
Trafford Metropolitan Borough Council	July 2024	Quarterly
Areas of Outstanding Natural Beauty		
Natural England	May 2024	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2023	
Forest Parks		
Forestry Commission	May 2023	Not Applicable
Local Nature Reserves		
Natural England	August 2024	Bi-Annually
Marine Nature Reserves		
Natural England	August 2024	Bi-Annually
National Nature Reserves		
Natural England	August 2024	Bi-Annually
National Parks		
Natural England	September 2024	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	
Environment Agency - Head Office	April 2024	Bi-Annually
Ramsar Sites		
Natural England	August 2024	Bi-Annually
Sites of Special Scientific Interest		
Natural England	April 2024	Bi-Annually
Special Areas of Conservation		
Natural England	October 2024	Bi-Annually
Special Protection Areas		
Natural England	April 2024	Bi-Annually

Data Suppliers

A selection of organisations who provide data within this report

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

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Manchester City Council - Environmental Health Department** PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY	Telephone: 0161 234 4884 / 234 4873. Fax: 0161 234 4508 Website: www.manchester.gov.uk
4	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	**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
7	**PointX** 5-6 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	**Manchester City Council** Town Hall, Albert Square, Manchester, Greater Manchester, M60 2JT	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
-	**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.

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	TILLD	Till, Devensian	Diamicton	Not Supplied - Devensian
	SSA	Shirdley Hill Sand Formation	Sand	Not Supplied - Devensian
	GFICD	Glaciofluvial Ice Contact Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Not Supplied - Devensian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	HEY	Helsby Sandstone Formation	Sandstone, Pebbly (Gravelly)	Not Supplied - Anisian
	CHES	Chester Formation	Sandstone	Not Supplied - Olenekian
	CHES	Chester Formation	Sandstone, Pebbly (Gravelly)	Not Supplied - Olenekian
	WLSF	Wilmslow Sandstone Formation	Sandstone	Not Supplied - Early Triassic
	MM	Manchester Marls Formation	Mudstone	Not Supplied - GUADALUPIAN
	CS	Collyhurst Sandstone Formation	Sandstone	Not Supplied - Cisuralian
	HA	Halesowen Formation	Mudstone, Siltstone and Sandstone	Not Supplied - Westphalian
	ETM	Etruria Formation	Sandstone and Mudstone	Not Supplied - Westphalian
		Faults		

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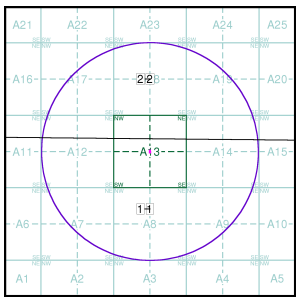
Geology 1:50,000 Maps

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

Geology 1:50,000 Maps Coverage

Map ID:	**1**	**Map ID:**	**2**
Map Sheet No:	**098**	**Map Sheet No:**	**085**
Map Name:	**Stockport**	**Map Name:**	**Manchester**
Map Date:	**1962**	**Map Date:**	**2010**
Bedrock Geology:	**Available**	**Bedrock Geology:**	**Available**
Superficial Geology:	**Available**	**Superficial Geology:**	**Not Available**
Artificial Geology:	**Not Available**	**Artificial Geology:**	**Not Available**
Faults:	**Not Supplied**	**Faults:**	**Not Supplied**
Landslip:	**Available**	**Landslip:**	**Not Available**
Rock Segments:	**Not Supplied**	**Rock Segments:**	**Not Supplied**

Geology 1:50,000 Maps - Slice A

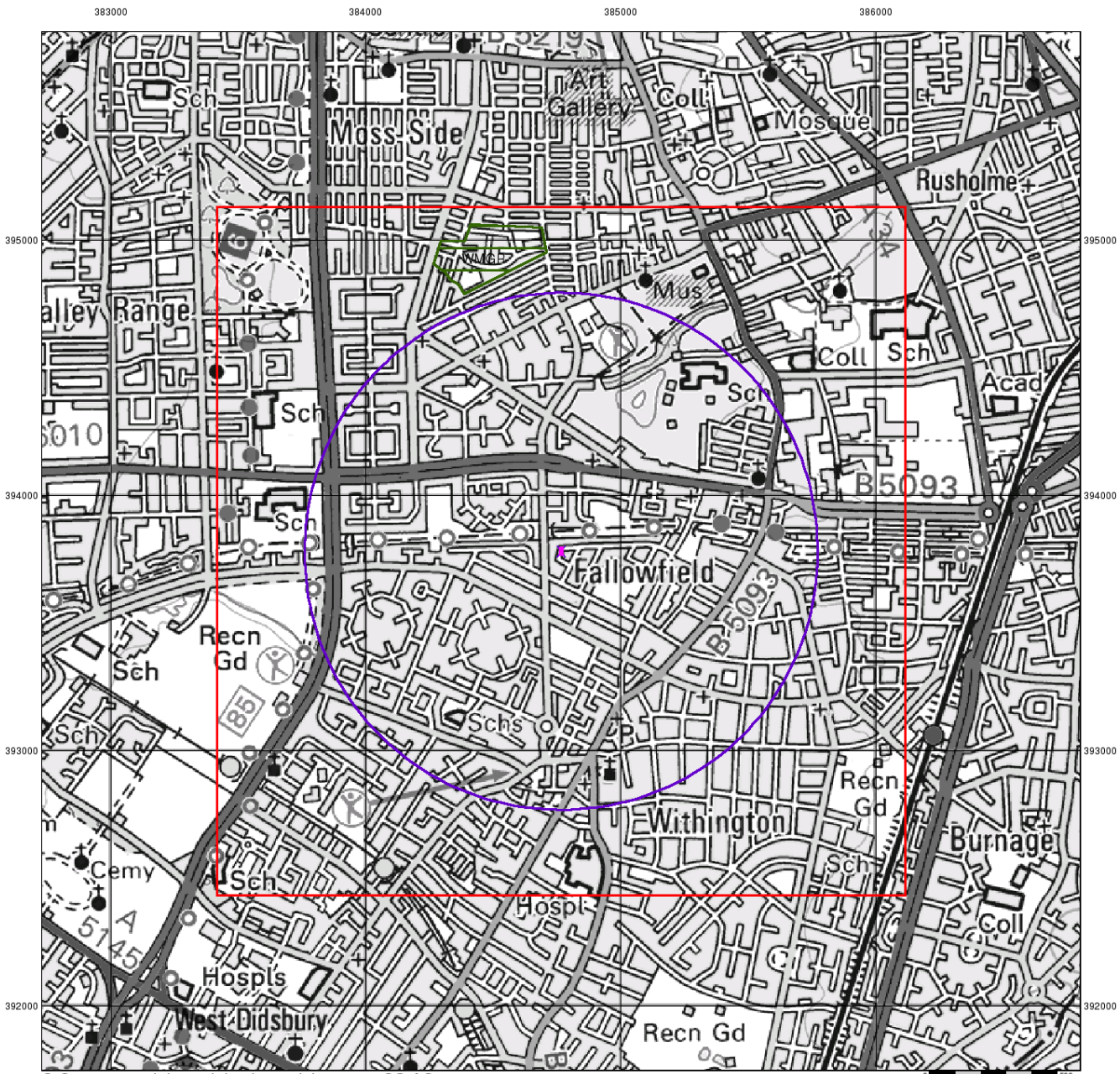


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Customer Reference:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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Artificial Ground and Landslip

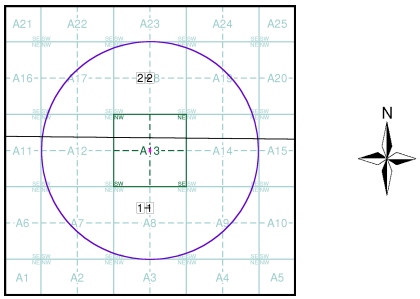
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



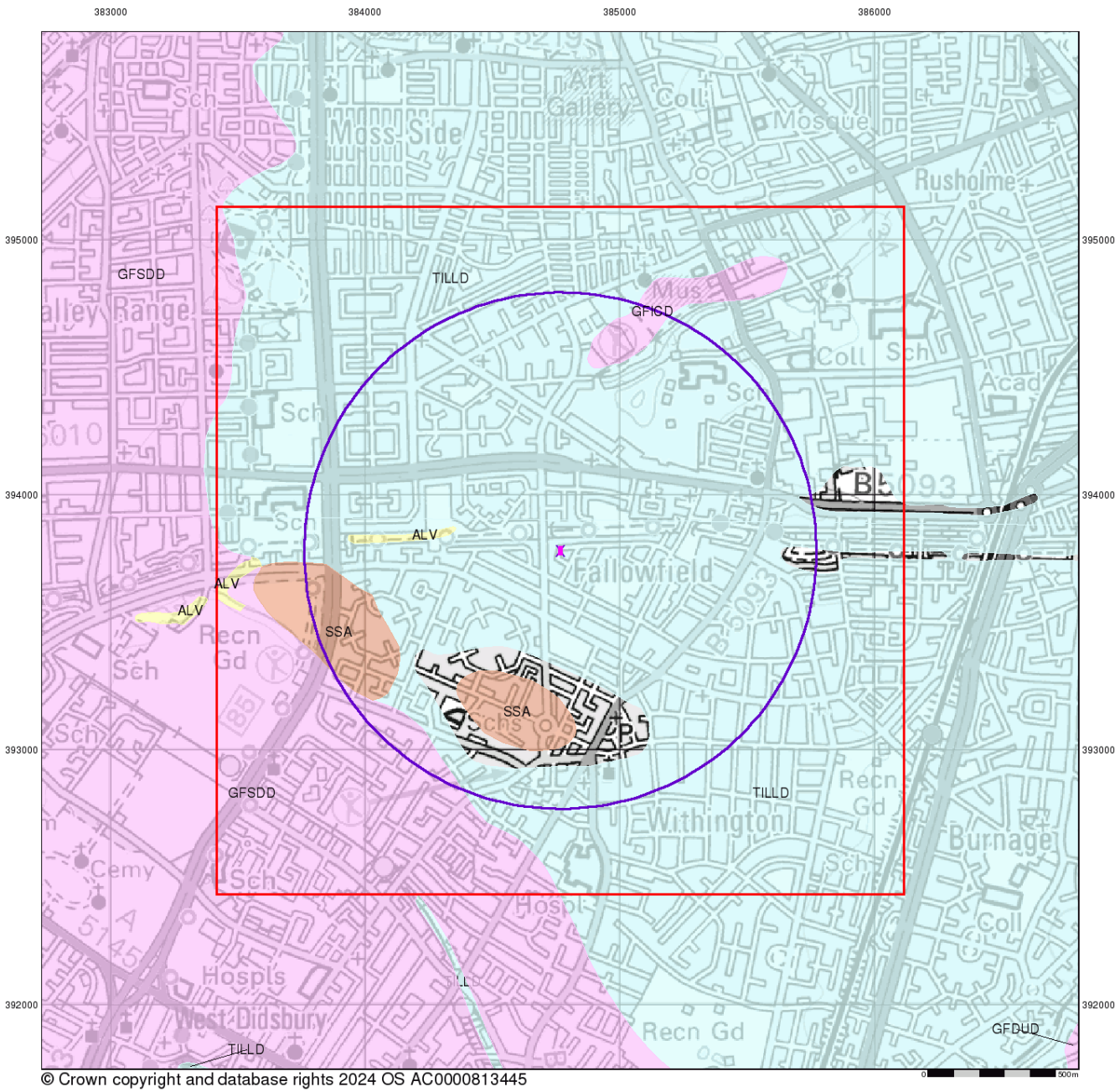
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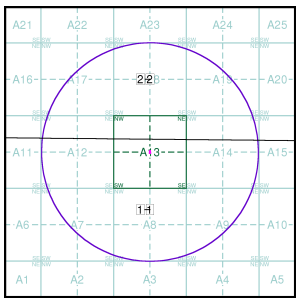
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



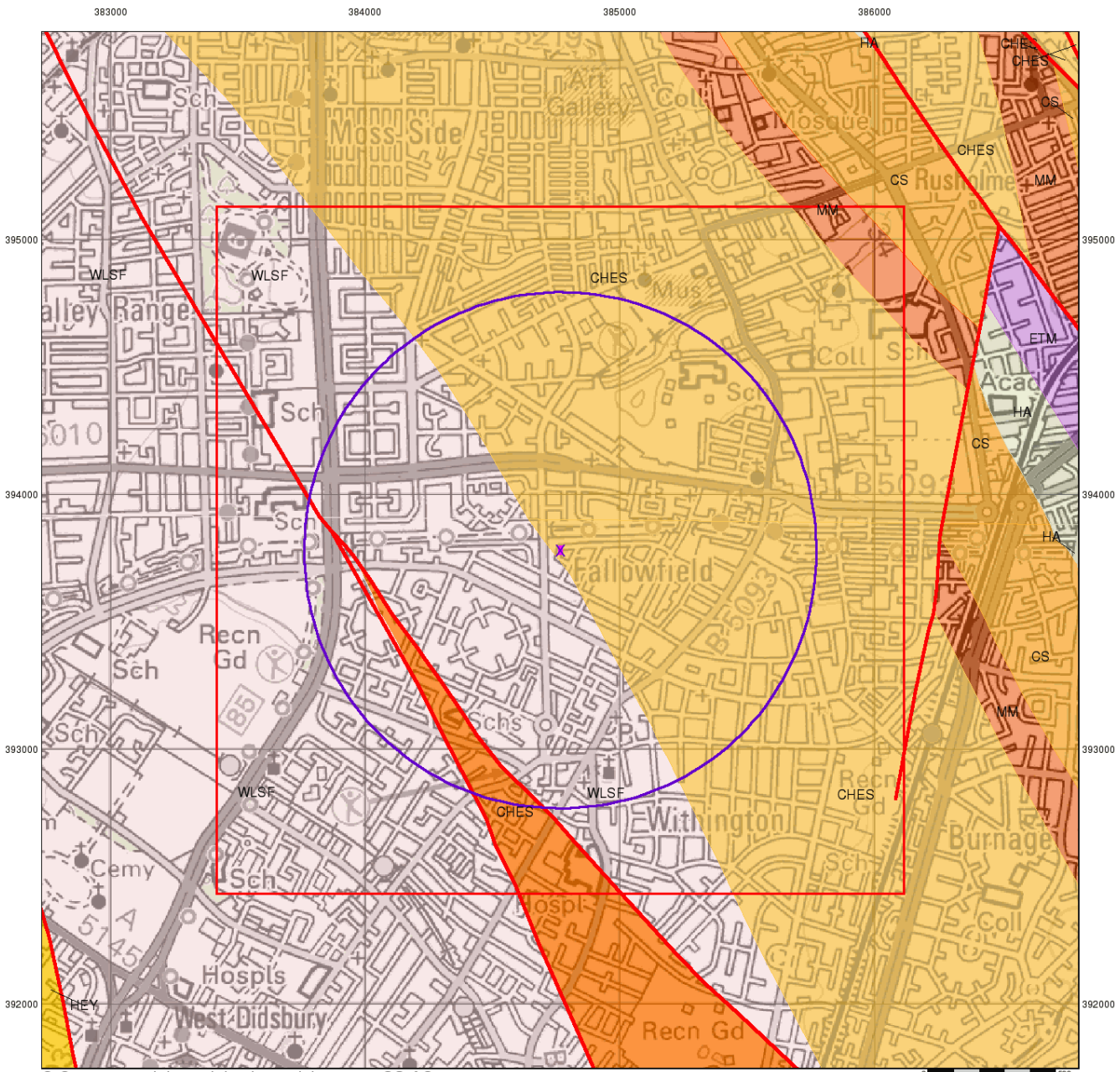
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Bedrock and Faults

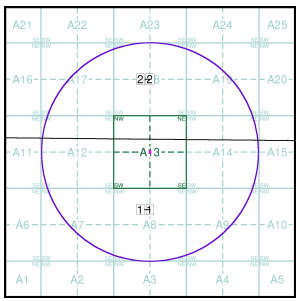
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



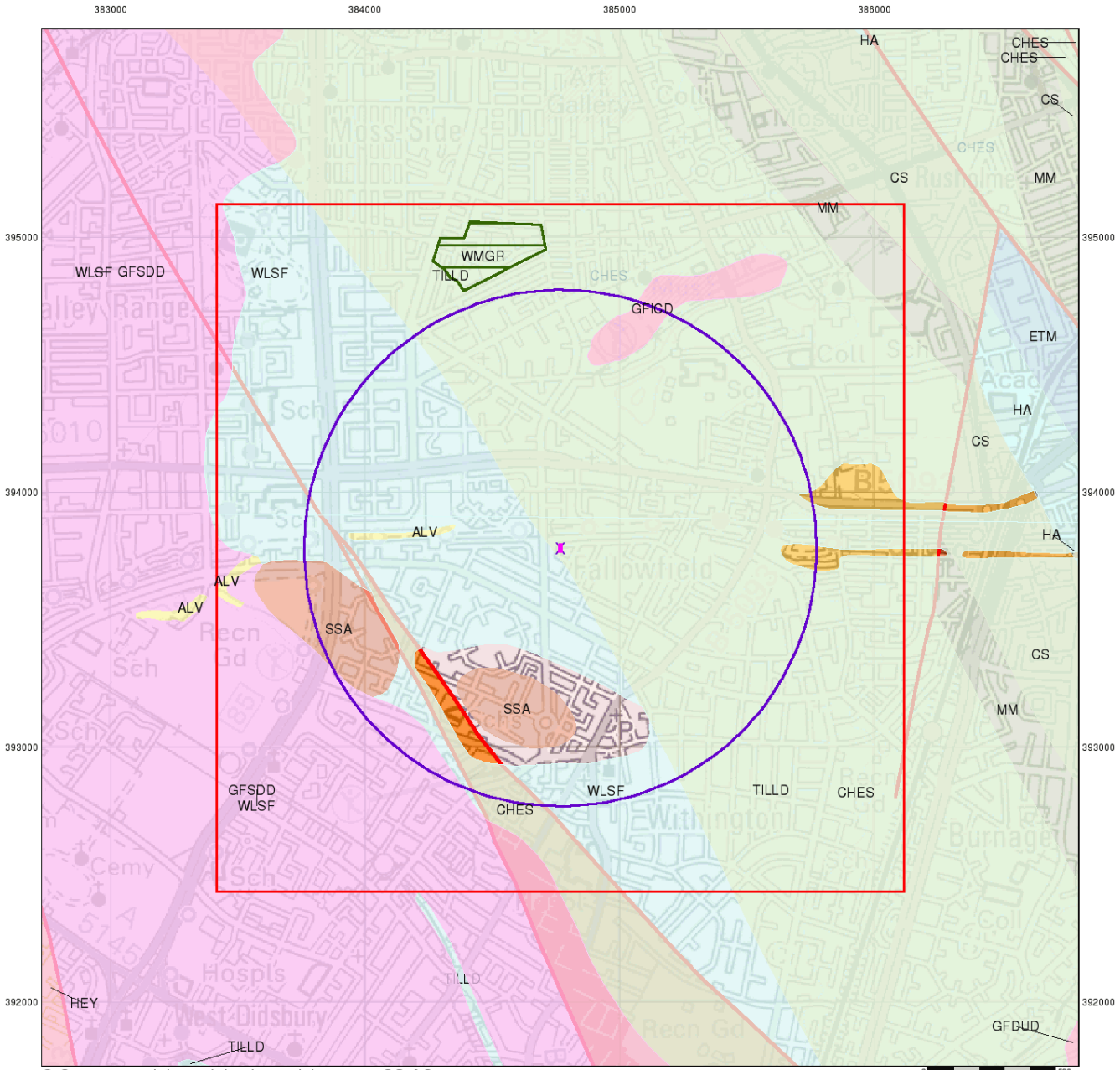
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Combined Surface Geology

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

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

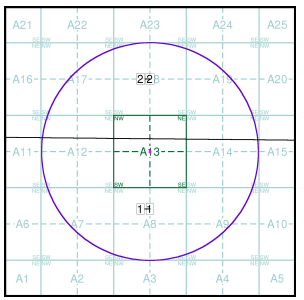
Additional Information

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

Contact

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

Combined Geology Map - Slice A

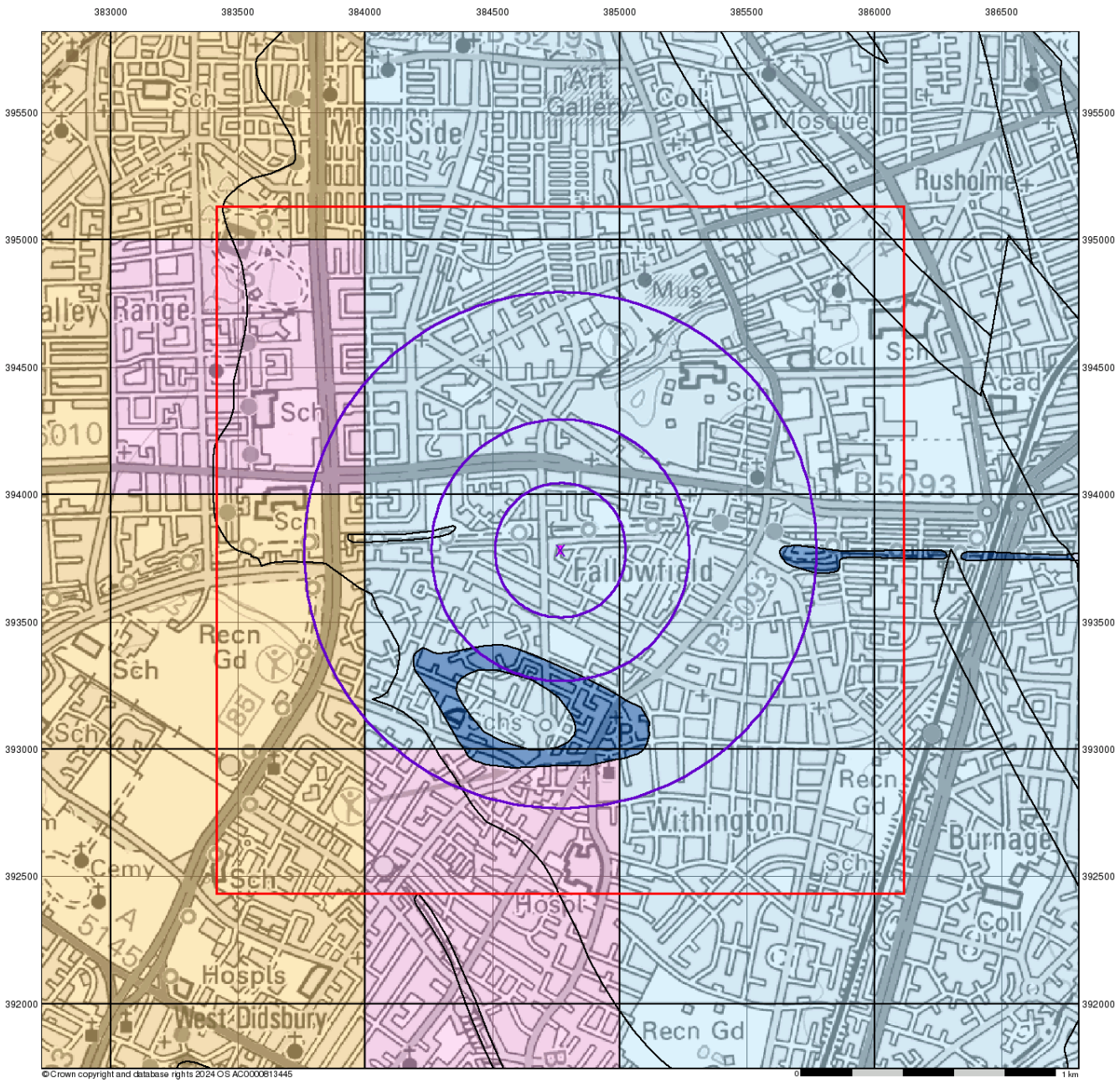


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Groundwater Vulnerability

General

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

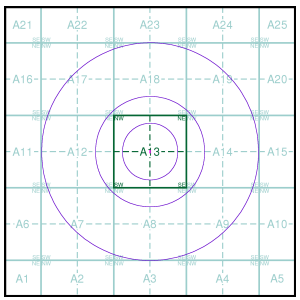
Agency and Hydrological

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



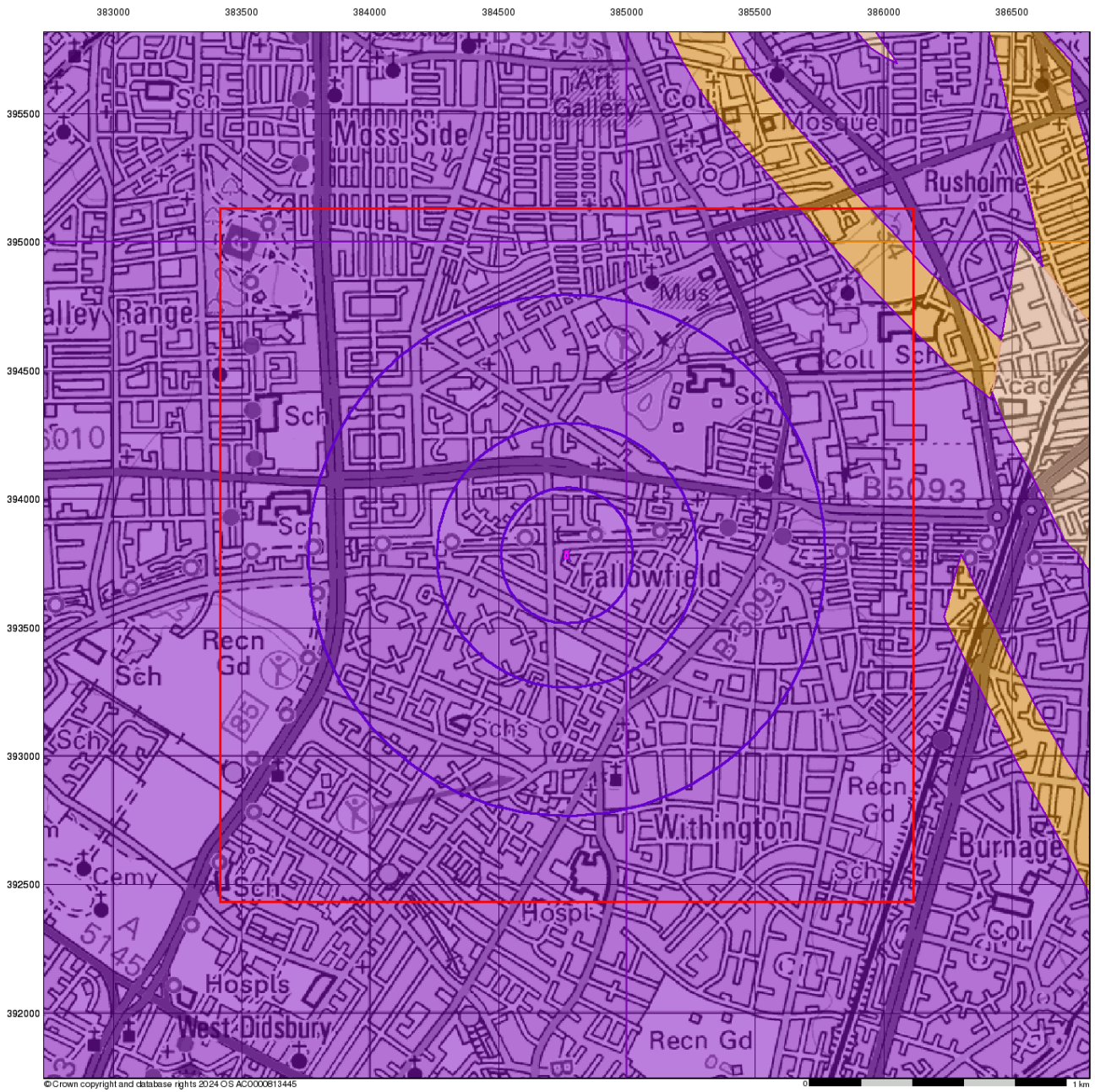
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Bedrock Aquifer Designation

General

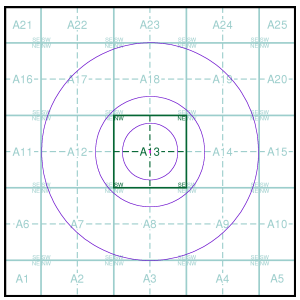
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

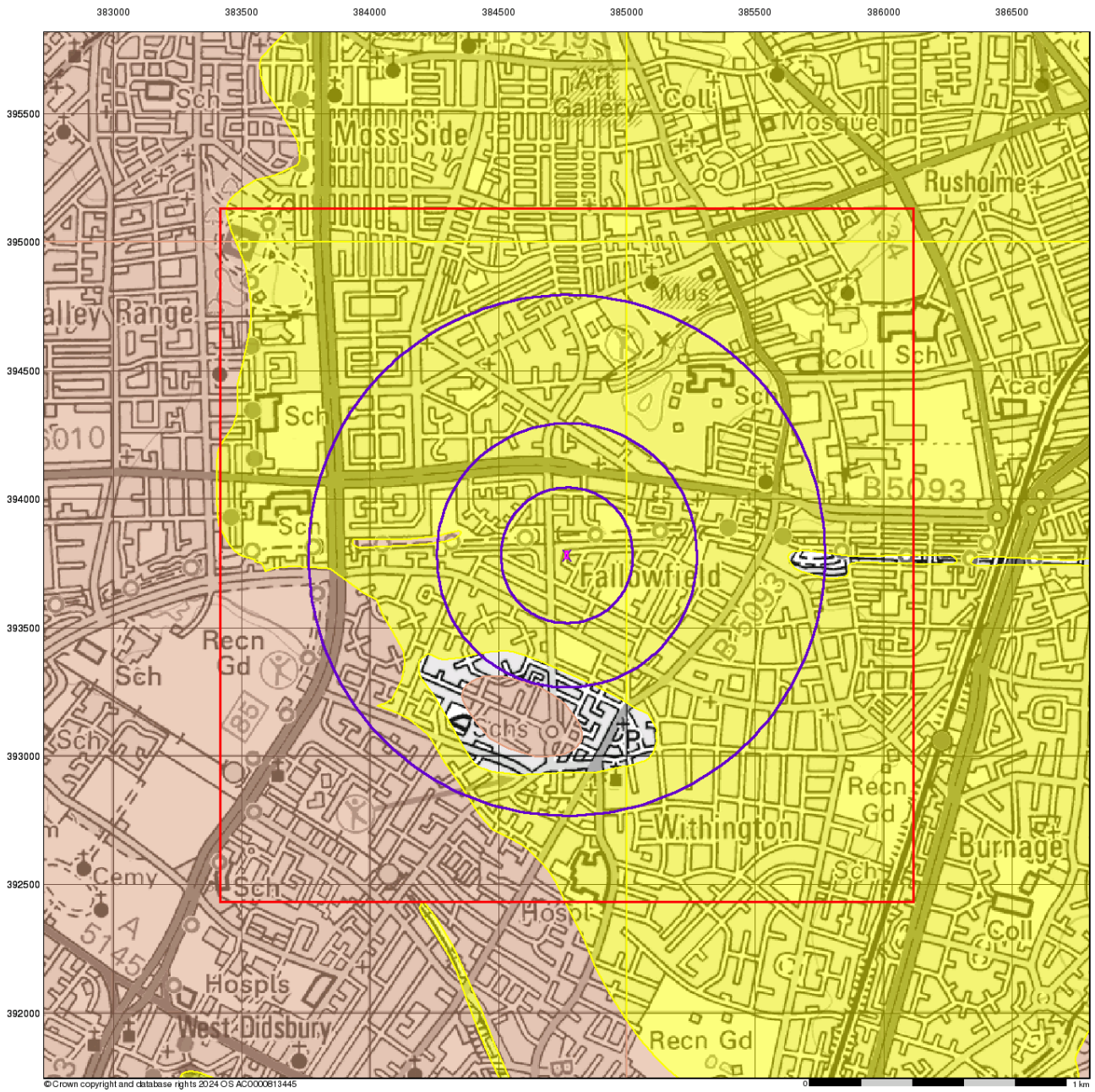


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Slice:	A
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Superficial Aquifer Designation

General

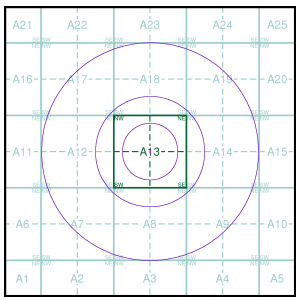
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

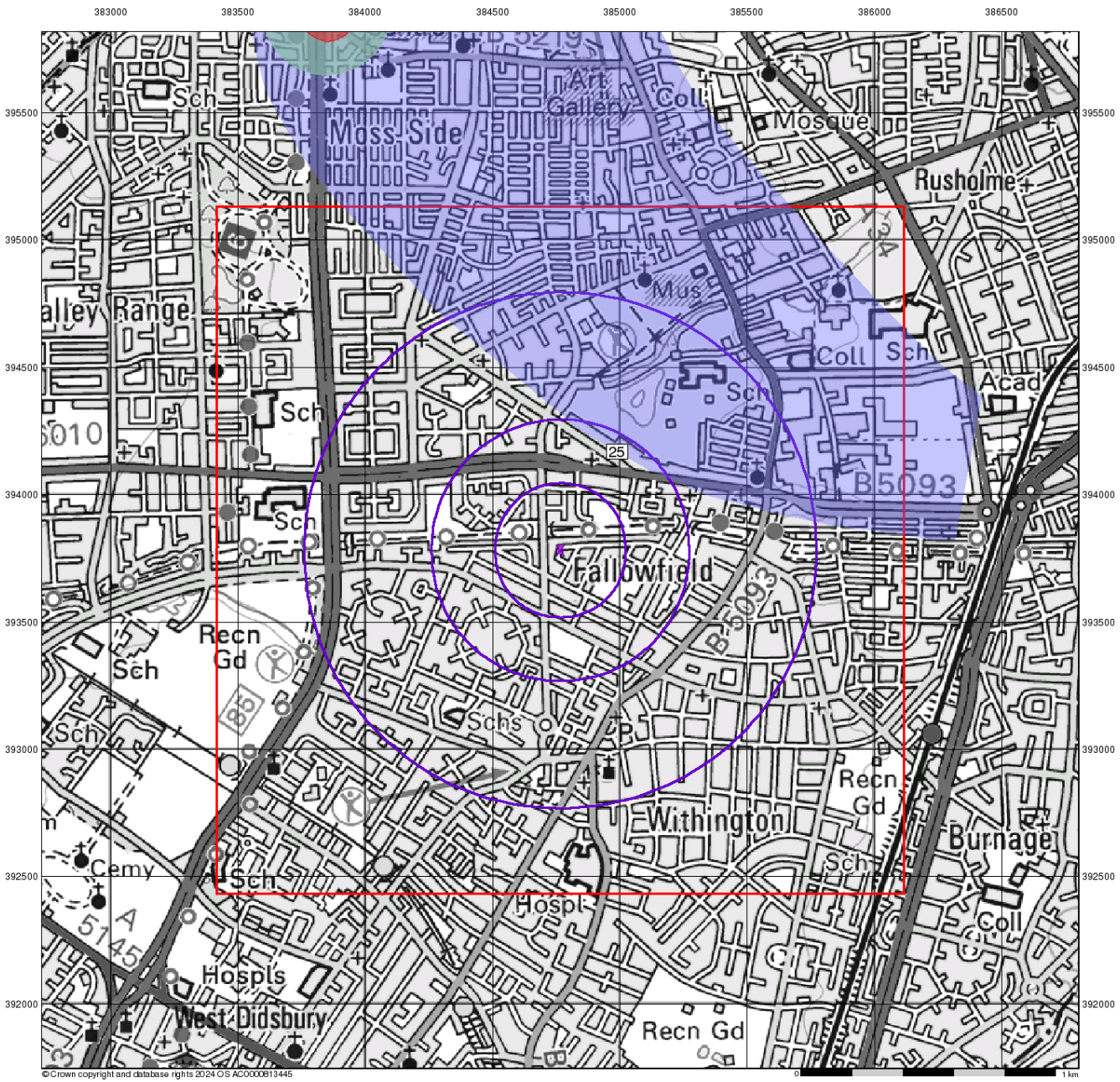


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Site Details

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Source Protection Zones

General

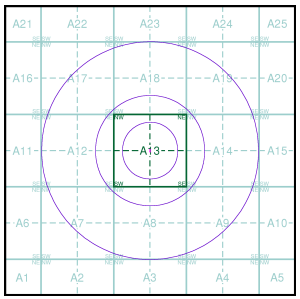
Specified Site | Specified Buffer(s) | Bearing Reference Point

Slice | Map ID

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A

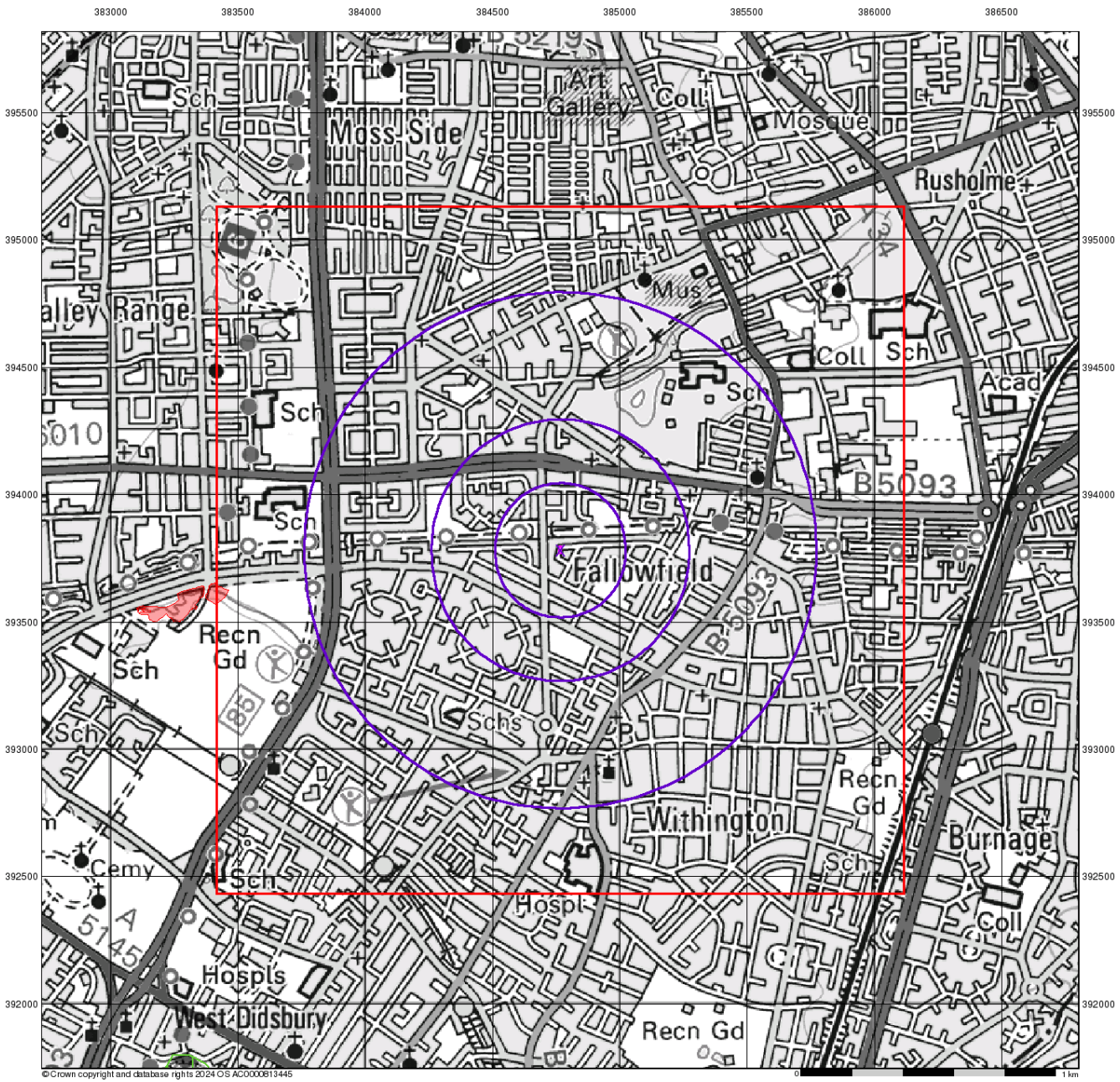


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Site Details

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Sensitive Land Uses

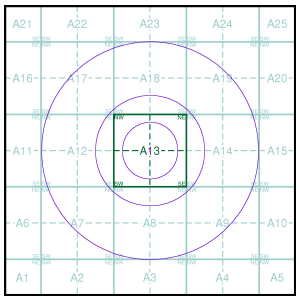
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

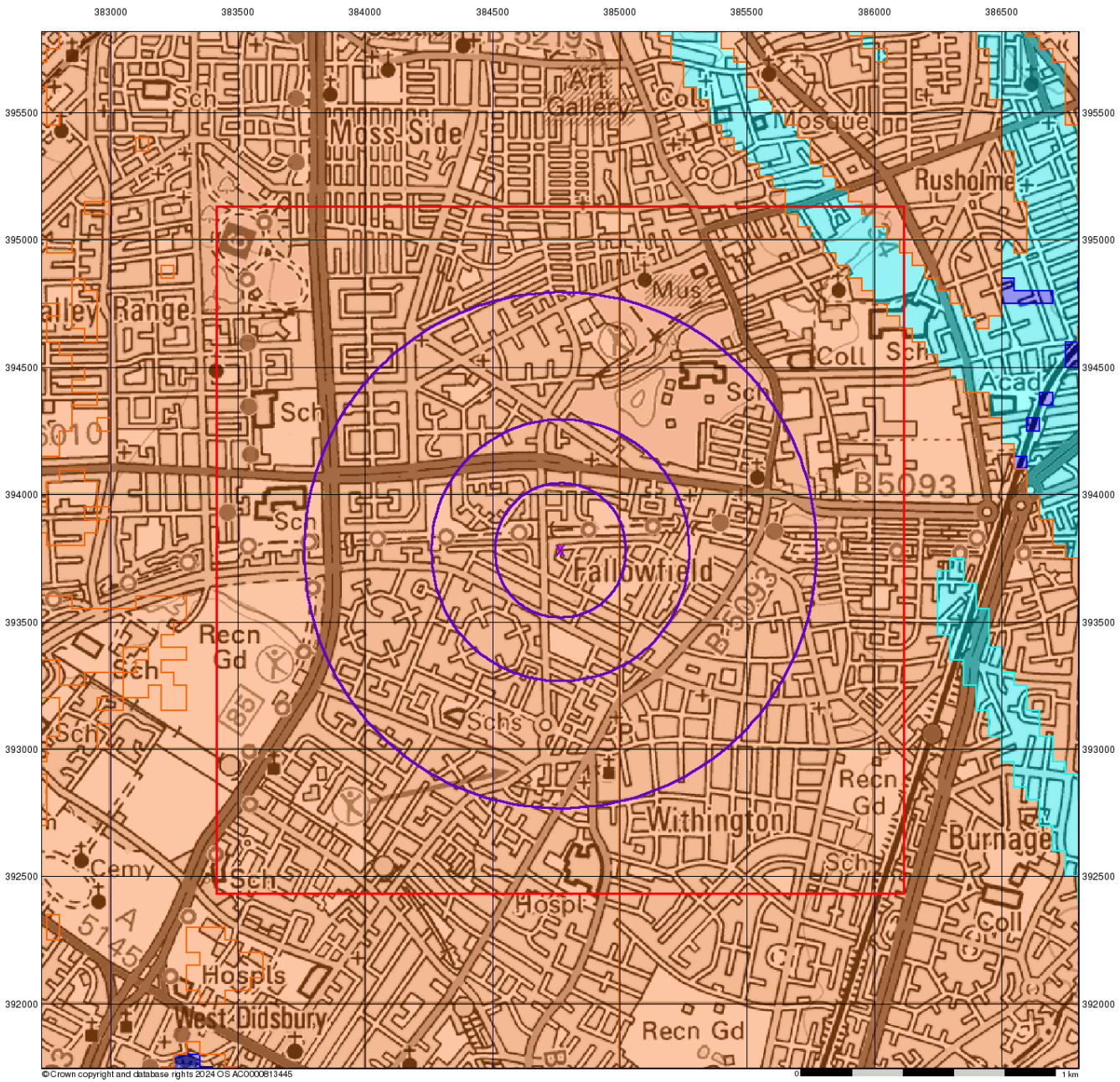


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Site Details

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BGS Flood GFS Data

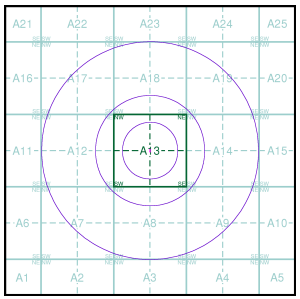
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A

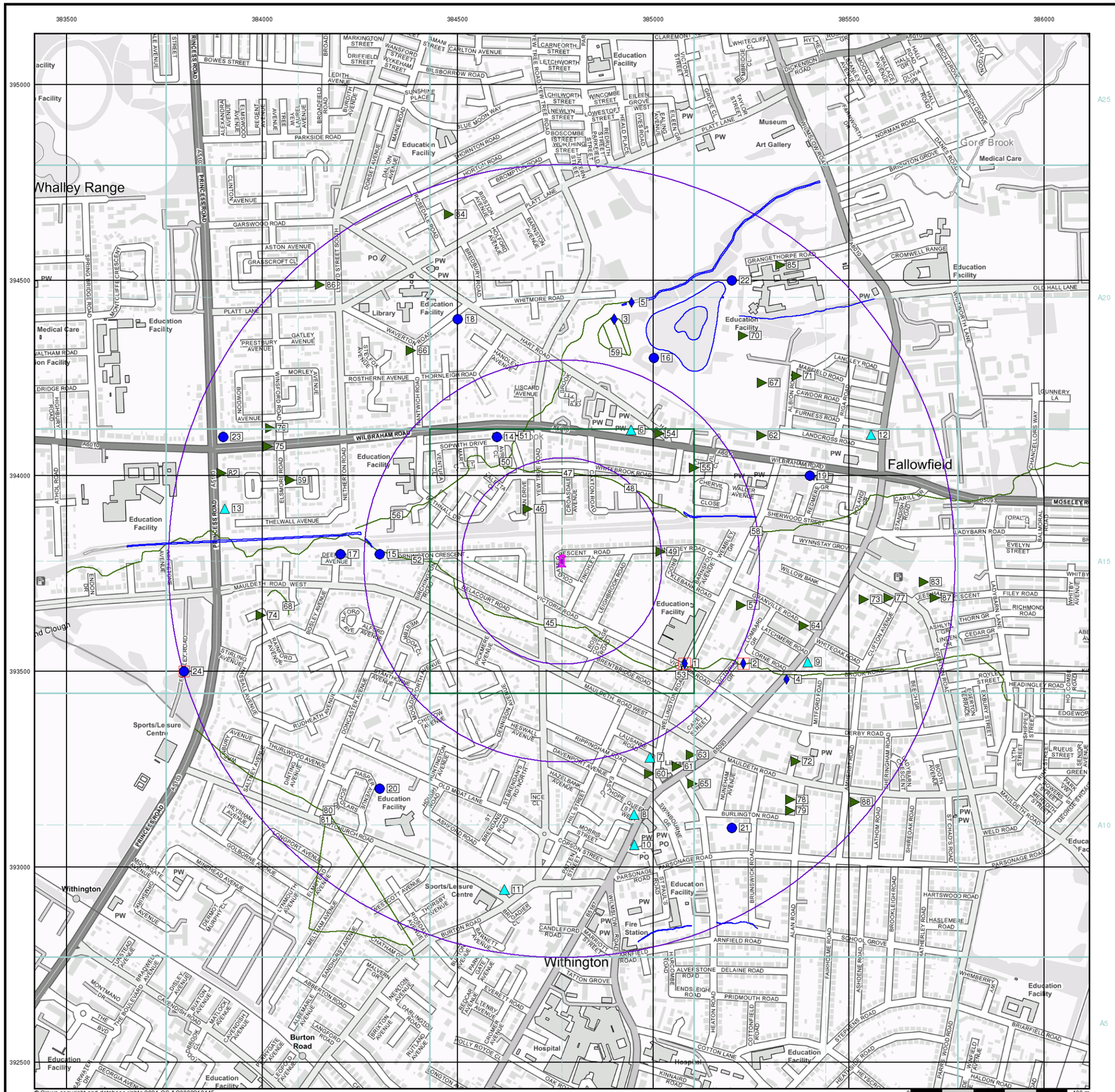


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Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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General

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

Agency and Hydrological

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

Waste

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

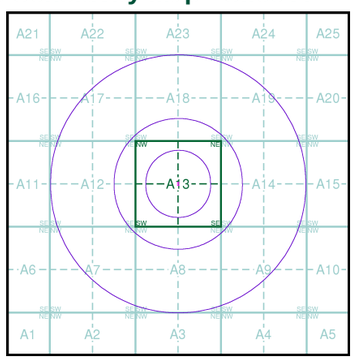
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A



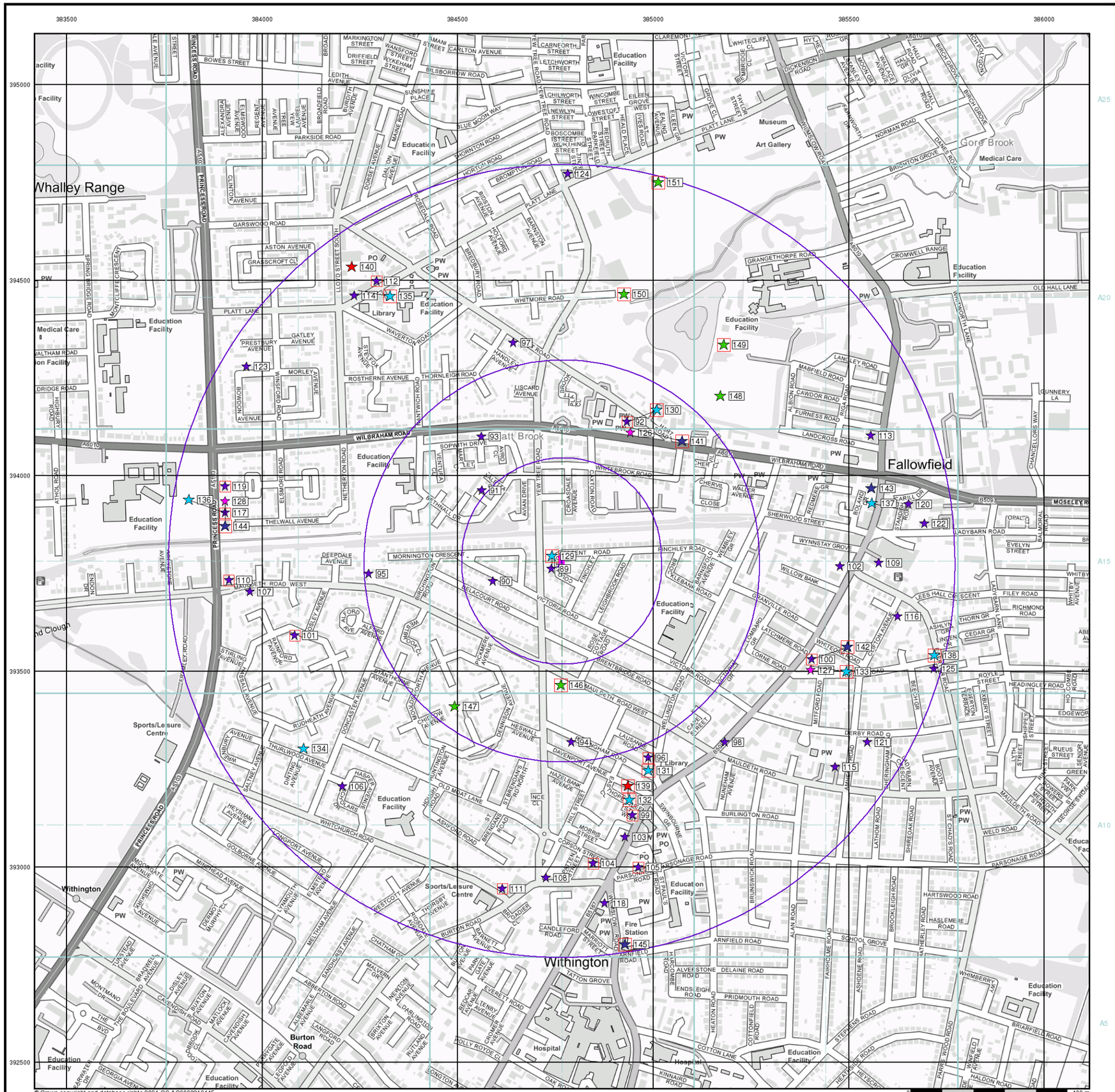
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Search Buffer (m):	1000

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Industrial Land Use Map

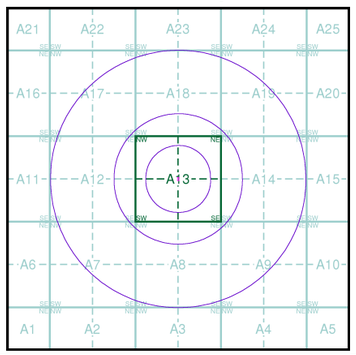
General

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

Industrial Land Use

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

Industrial Land Use Map - Slice A



Order Details

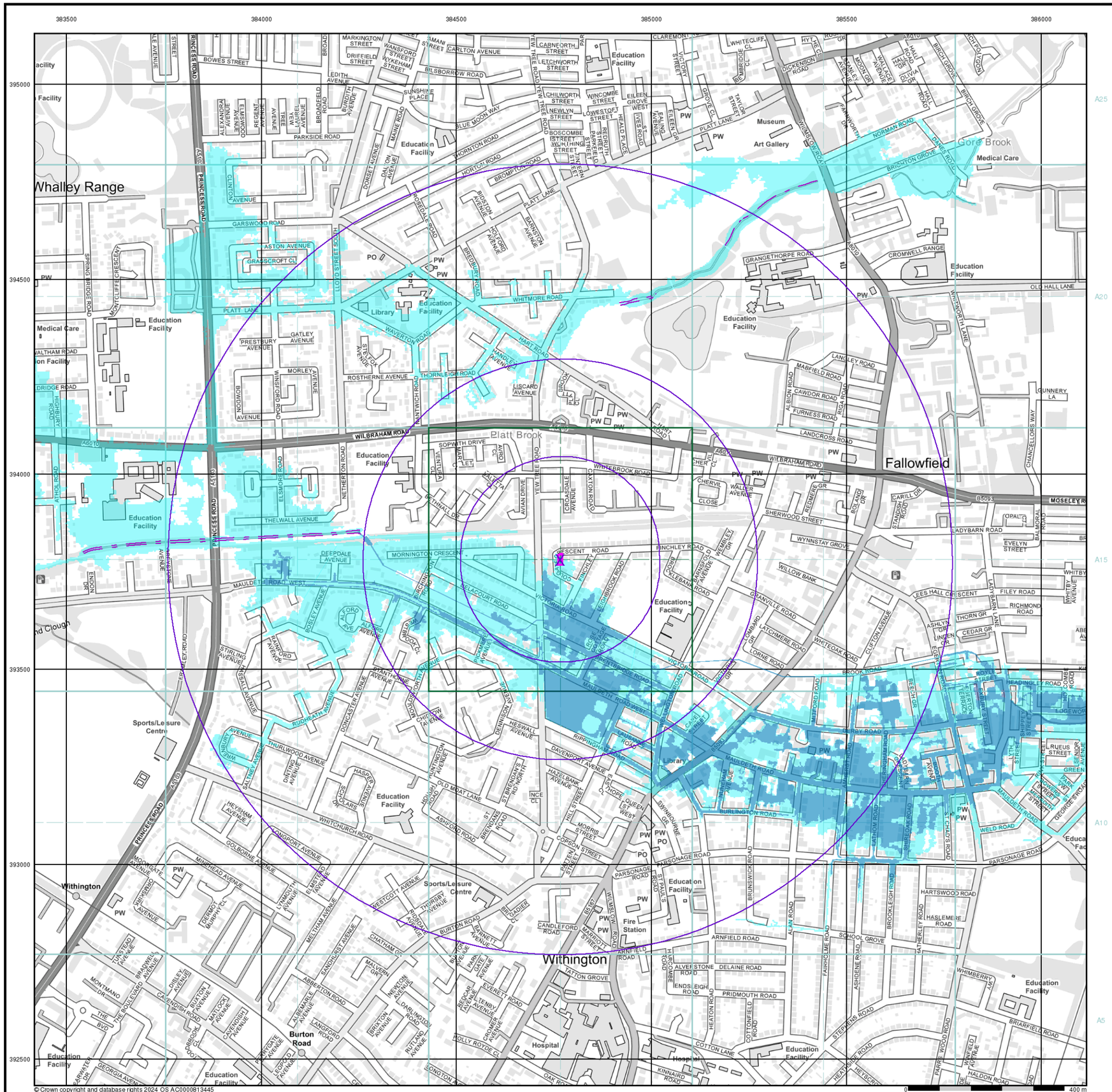
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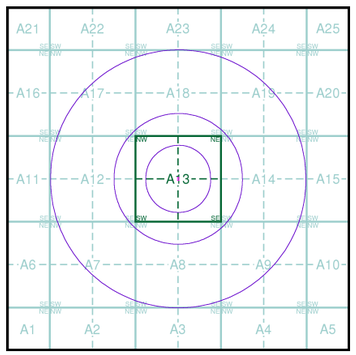
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



Order Details

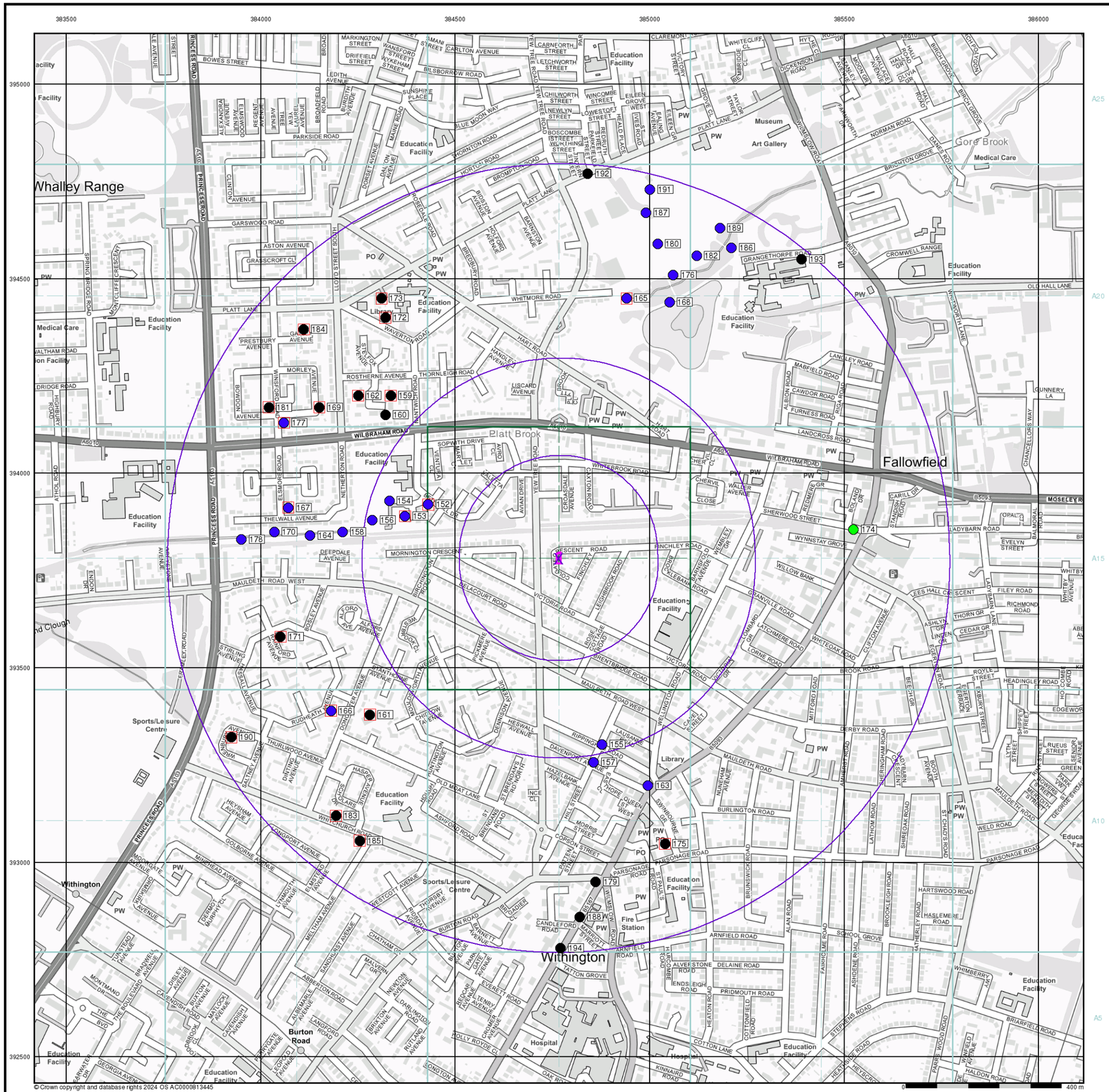
Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

7a Colgate Crescent, MANCHESTER, M14 6FN

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General

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

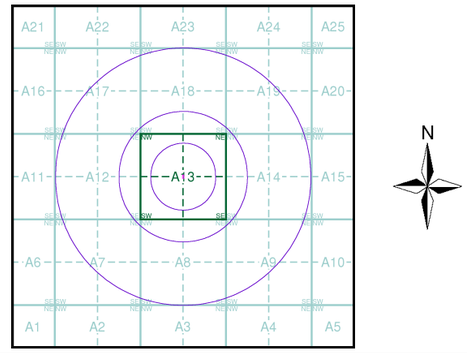
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



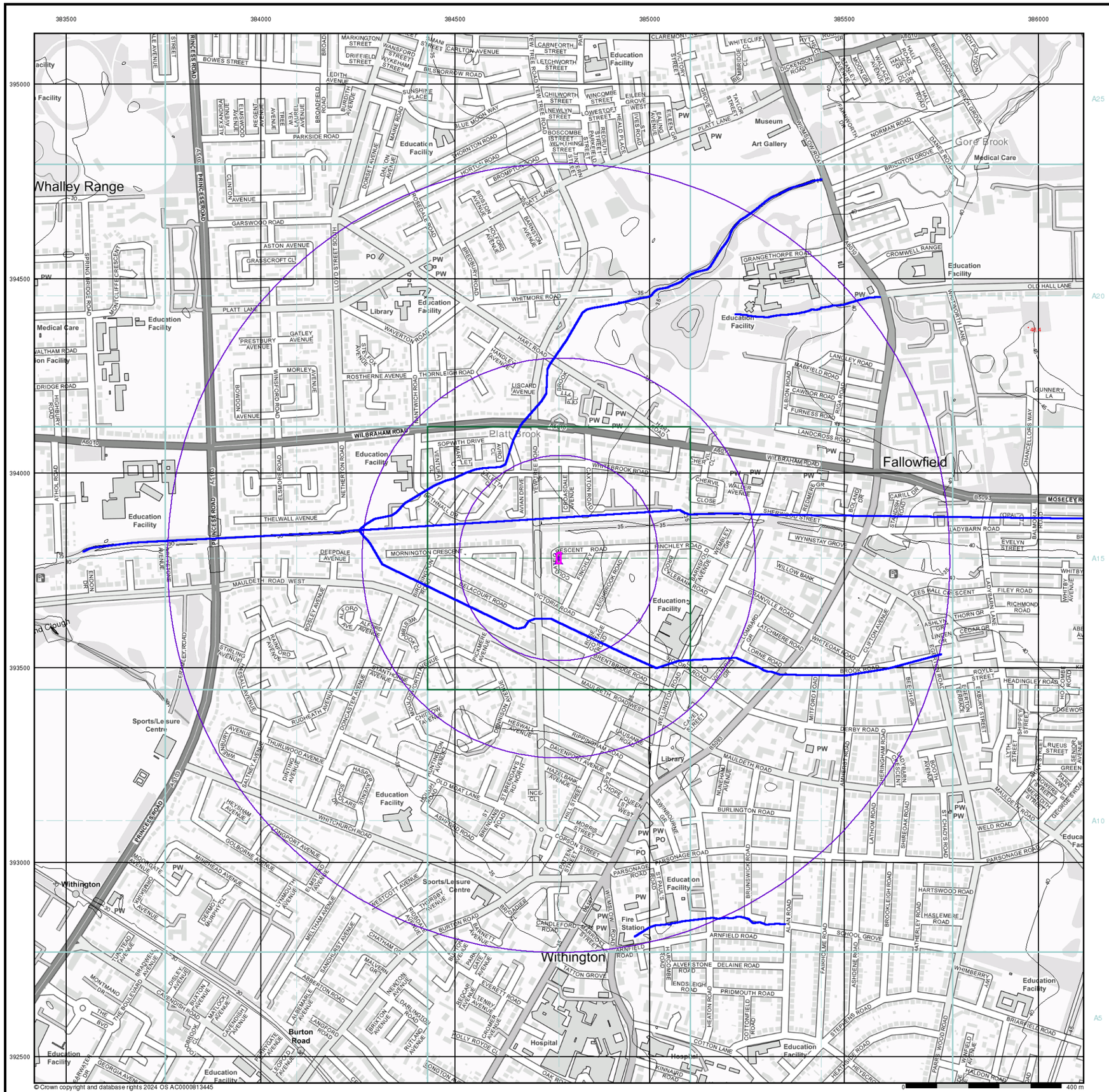
Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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General

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

OS Water Network Data

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

Contours (height in meters)

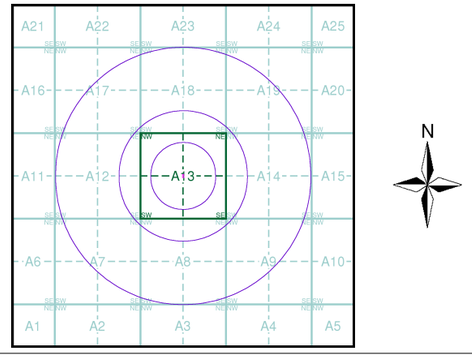
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

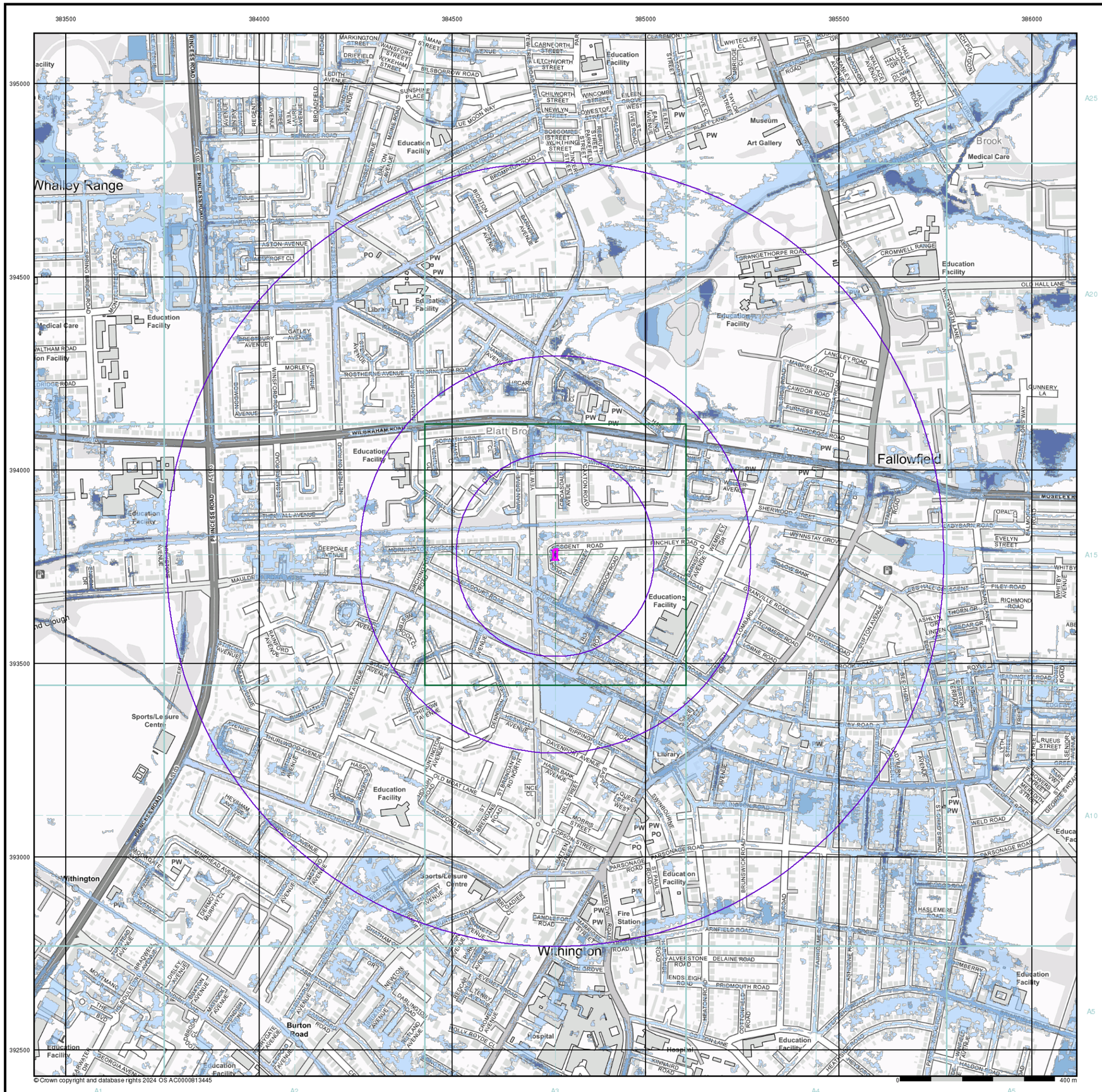
Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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0 400 m

GEOCON®

General

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

Risk of Flooding from Surface Water

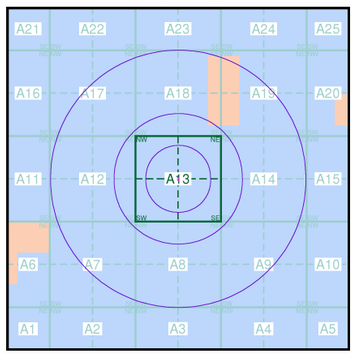
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

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

EA/NRW Suitability Map - Slice A



Order Details

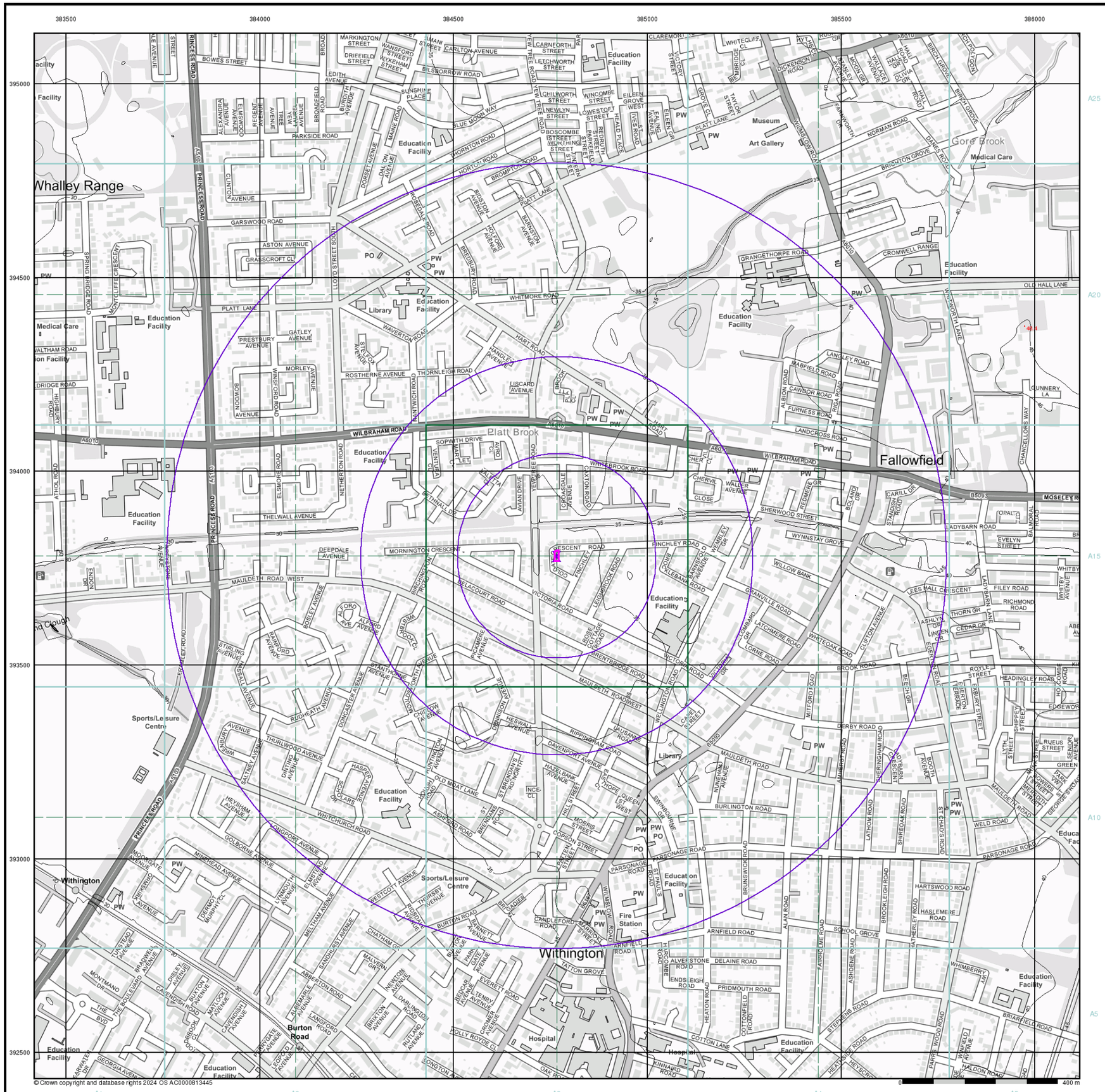
Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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WFD Surface Waters Map

General

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

Water Framework Directive - Surface Water Quality

- High
- Good
- Moderate
- Poor
- Bad

Contours (height in meters)

Standard Contour 105 100 95

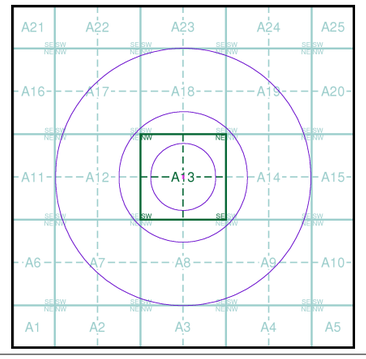
Master Contour

Spot Height * 167.3

MLW Mean Low Water

MHW Mean High Water

WFD Surface Waters Map - Slice A



Order Details

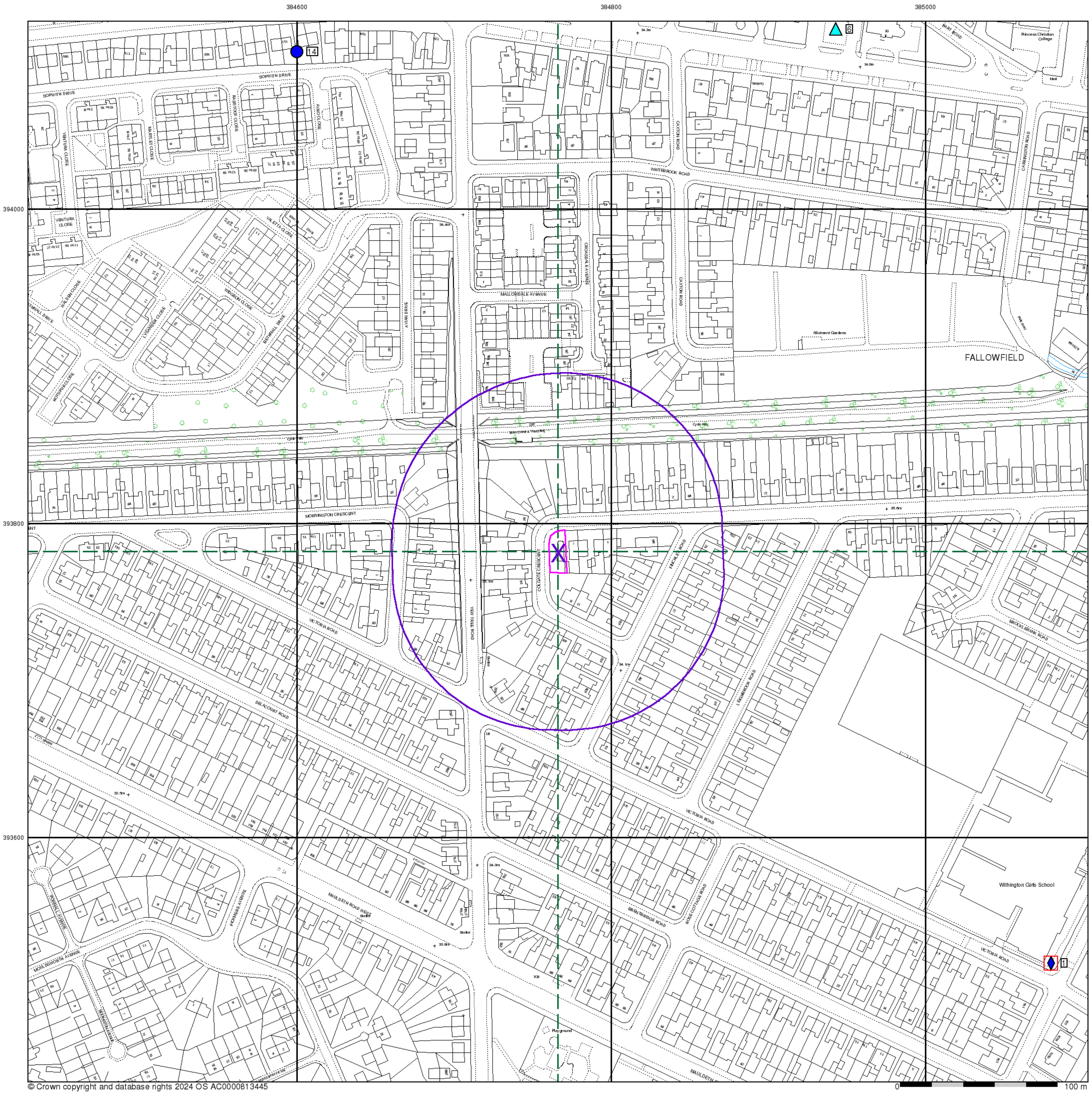
Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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General

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

Agency and Hydrological

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

Waste

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

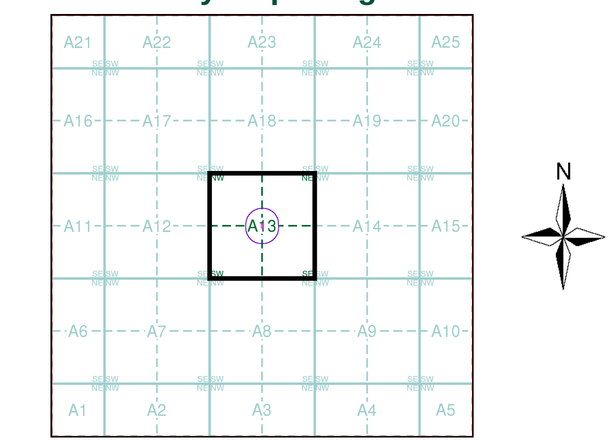
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13



Order Details

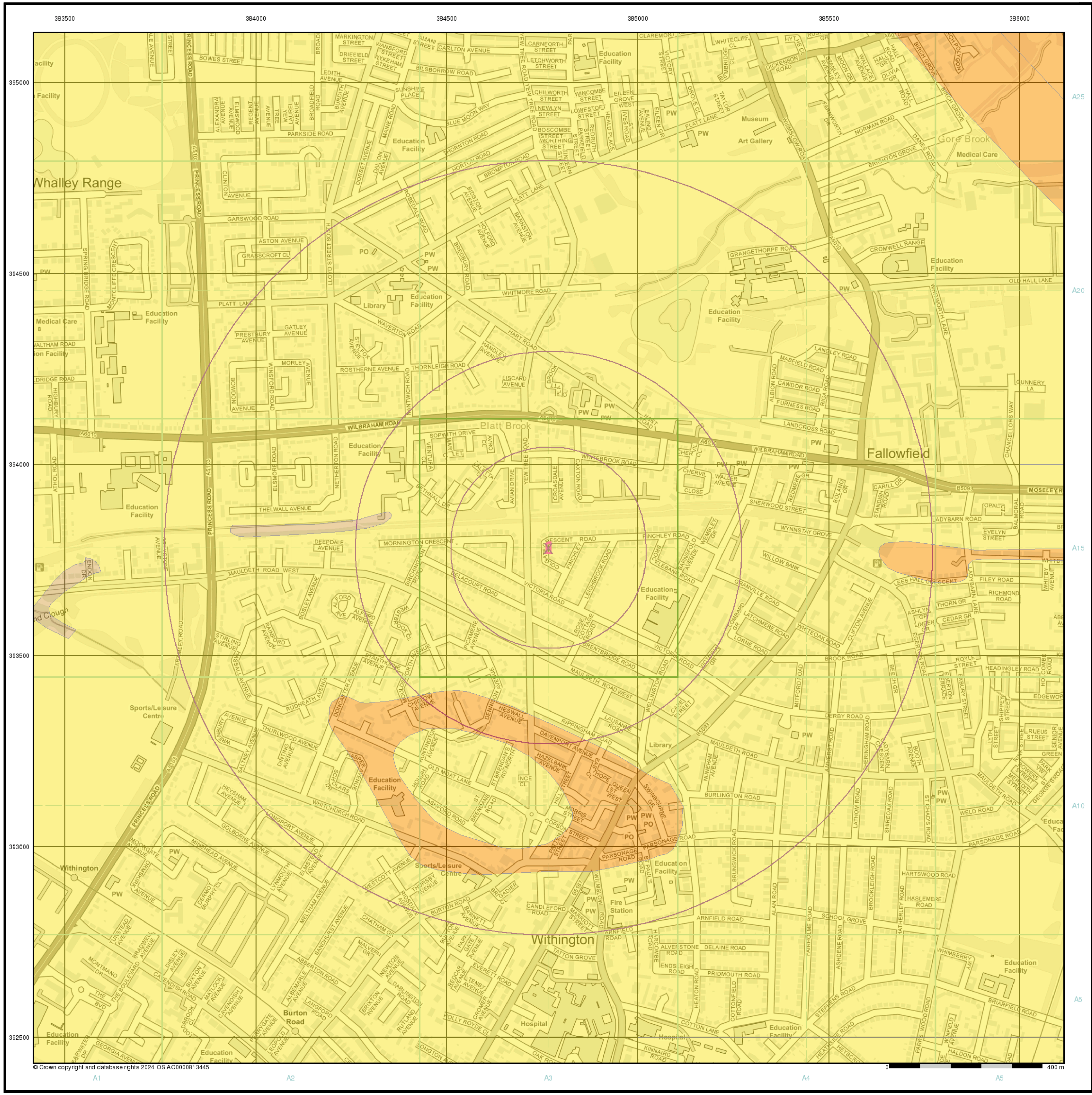
Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Plot Buffer (m):	100

Site Details

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General

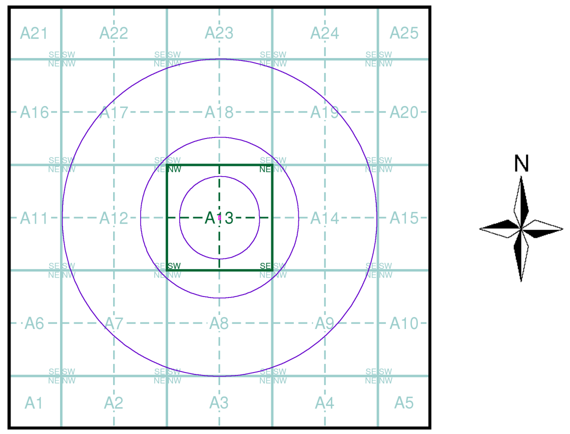
Specified Site   Specified Buffer(s)   X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

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

Estimated Soil Chemistry Arsenic - Slice A



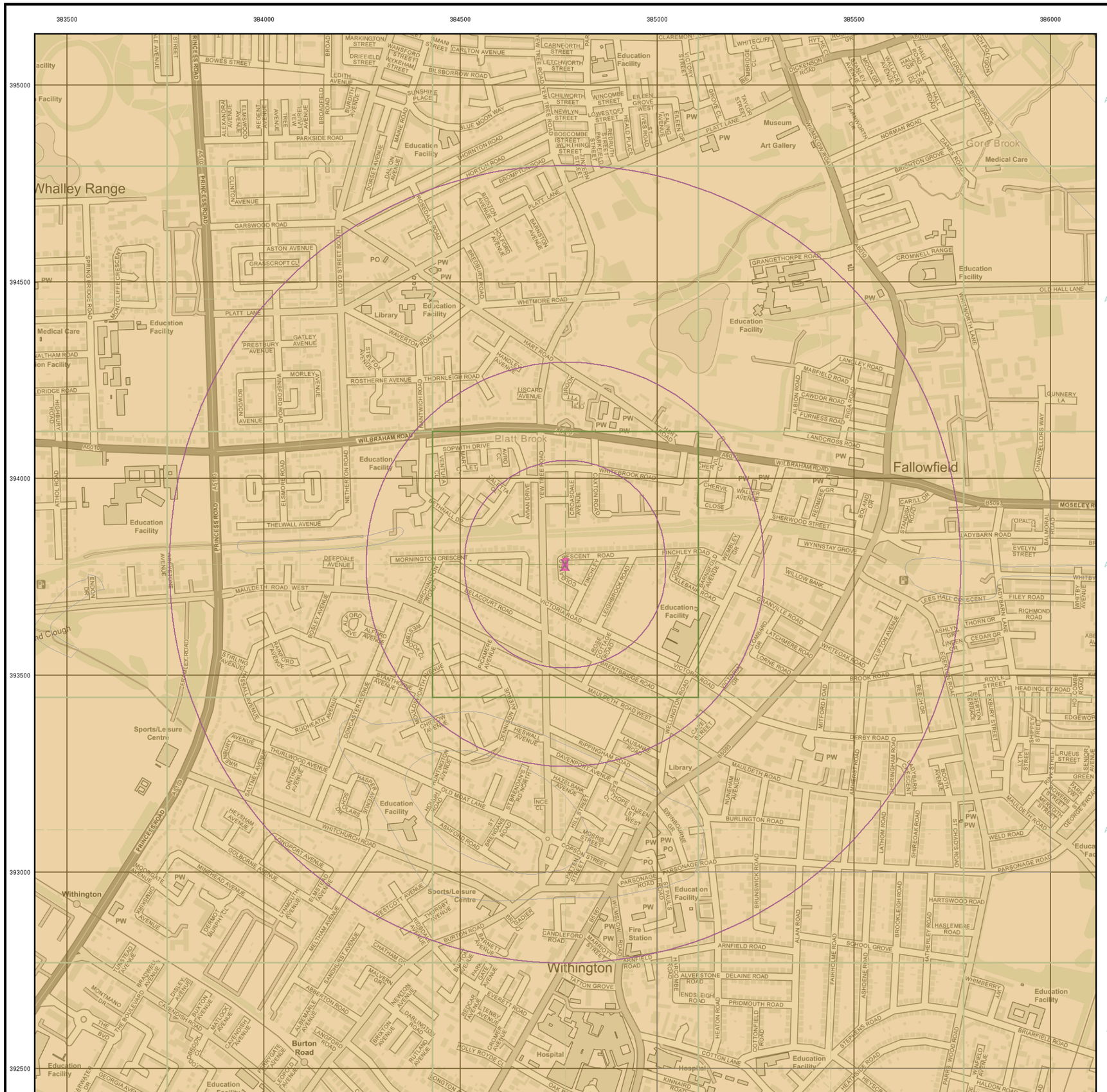
Order Details

Order Details: 363030306_1_1
Customer Ref: GSI 2245
National Grid Reference: 384770, 393780
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

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General

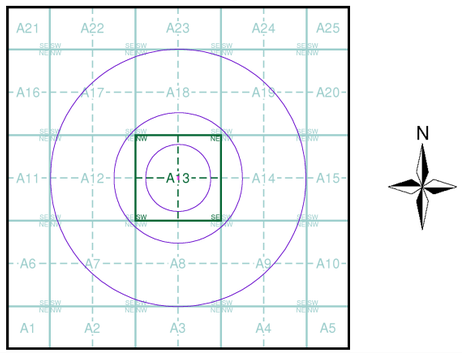
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

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

Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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General

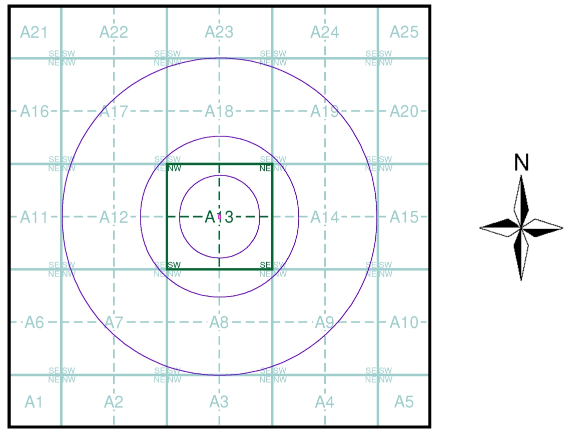
Specified Site　Specified Buffer(s)　X Bearing Reference Point

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

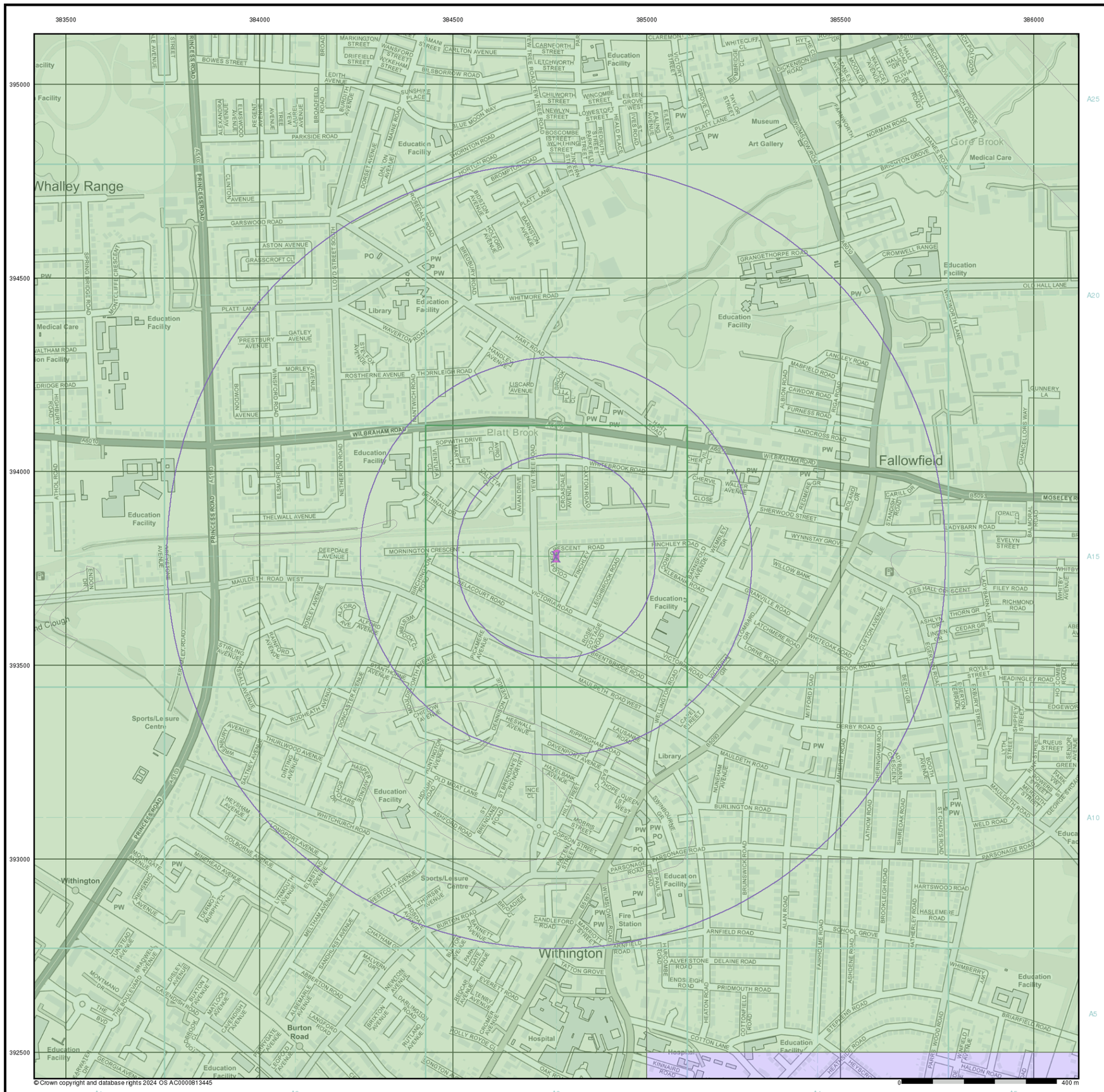


Order Details

Order Details: 363030306_1_1
Customer Ref: GSI 2245
National Grid Reference: 384770, 393780
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

7a Colgate Crescent, MANCHESTER, M14 6FN



General

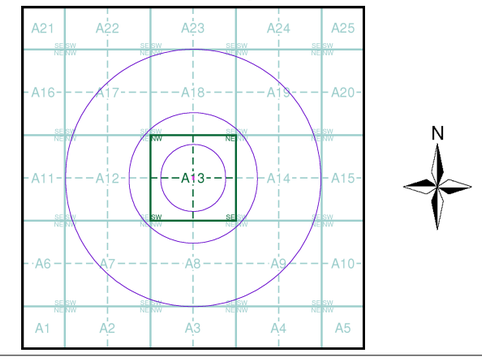
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

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

Estimated Soil Chemistry Lead - Slice A



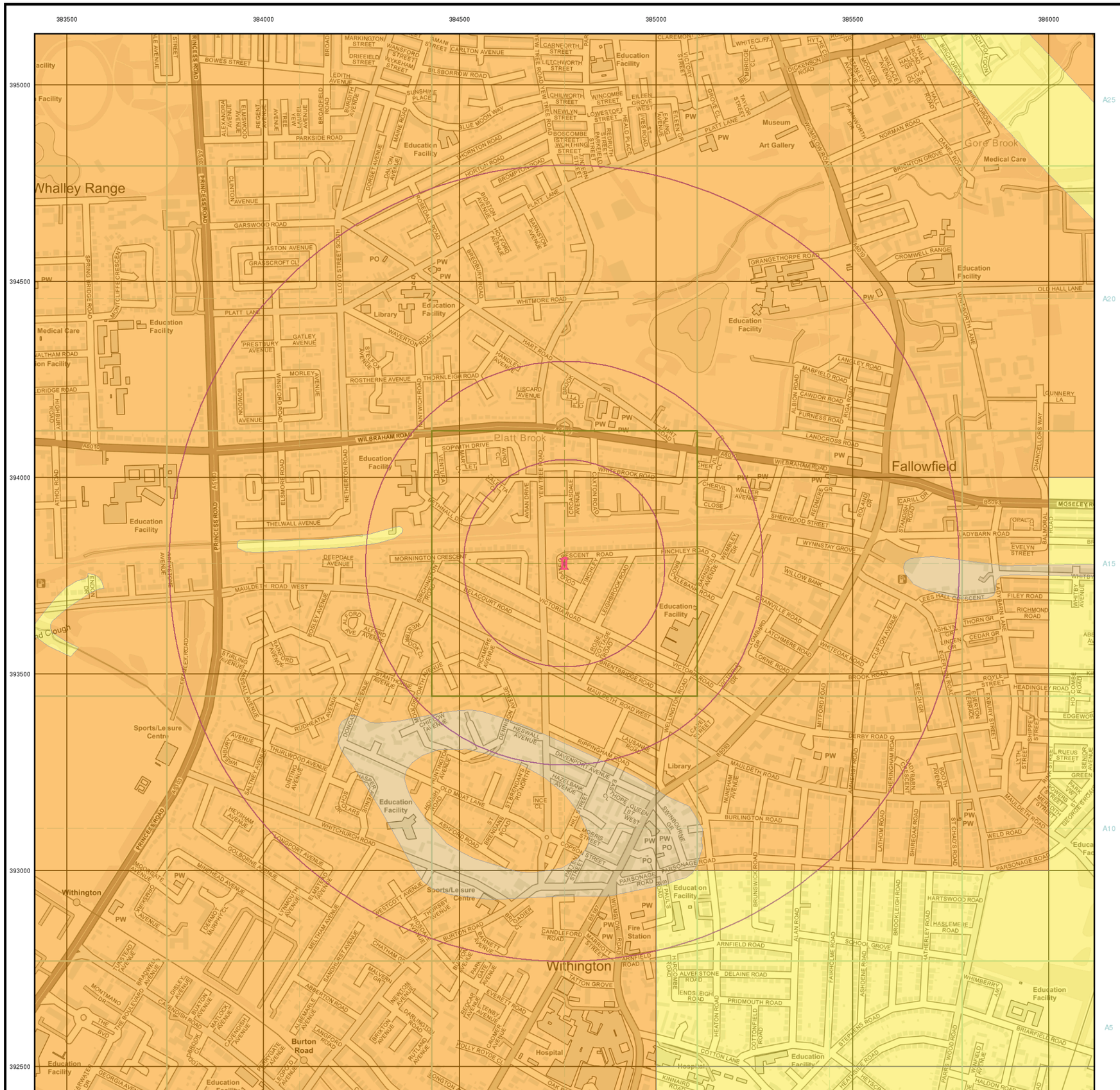
Order Details

Order Details:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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General

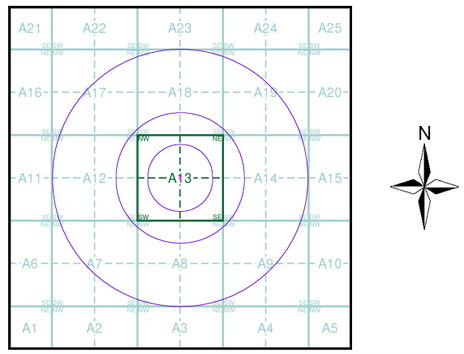
Specified Site Specified Buffer(s) X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

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

Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details:	363030306_1_1
Customer Ref:	GSI 2245
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Slice:	A
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Search Buffer (m):	1000

Site Details

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

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

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

1:10,000 Raster Mapping

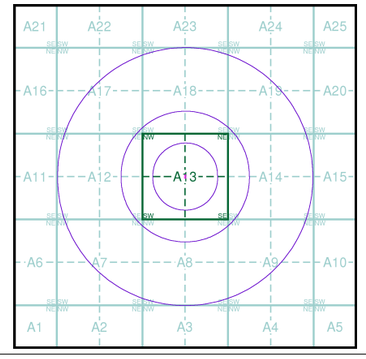
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community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

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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	1965 - 1968	14
Ordnance Survey Plan	1:10,000	1972 - 1976	15
Manchester	1:25,000	1975	16
Ordnance Survey Plan	1:10,000	1980 - 1985	17
Ordnance Survey Plan	1:10,000	1985 - 1989	18
Ordnance Survey Plan	1:10,000	1989	19
Ordnance Survey Plan	1:10,000	1990 - 1994	20
10K Raster Mapping	1:10,000	1999	21
10K Raster Mapping	1:10,000	2006	22
VectorMap Local	1:10,000	2024	23

Historical Map - Slice A



Order Details

Order Number: 363030306_1_1
Customer Ref: GSI 2245
National Grid Reference: 384770, 393780
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

7a Colgate Crescent, MANCHESTER, M14 6FN

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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
- Direction and velocity of current
- Well
- Water Reservoir or Rain Water Pit
- Spring
- Isobath with value
- Heavy (Index) Contour Line
- Contour Line and Value
- Half Contour Line
- Spot Elevation Value
- Coniferous
- Deciduous
- Mixed
- Scrub

Key to Numbers on Mapping

SJ89_Manchester

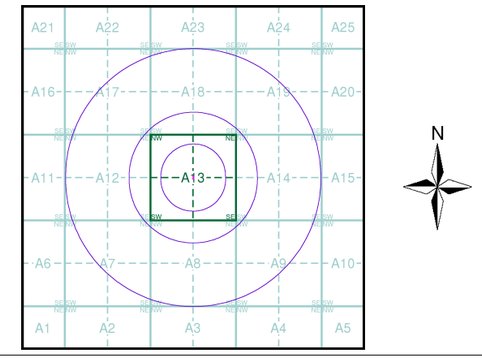
No.	Description
160	Police Station/Headquarters

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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	1965 - 1968	14
Ordnance Survey Plan	1:10,000	1972 - 1976	15
Manchester	1:25,000	1975	16
Ordnance Survey Plan	1:10,000	1980 - 1985	17
Ordnance Survey Plan	1:10,000	1985 - 1989	18
Ordnance Survey Plan	1:10,000	1989	19
Ordnance Survey Plan	1:10,000	1990 - 1994	20
10K Raster Mapping	1:10,000	1999	21
10K Raster Mapping	1:10,000	2006	22
VectorMap Local	1:10,000	2024	23

Russian Map - Slice A



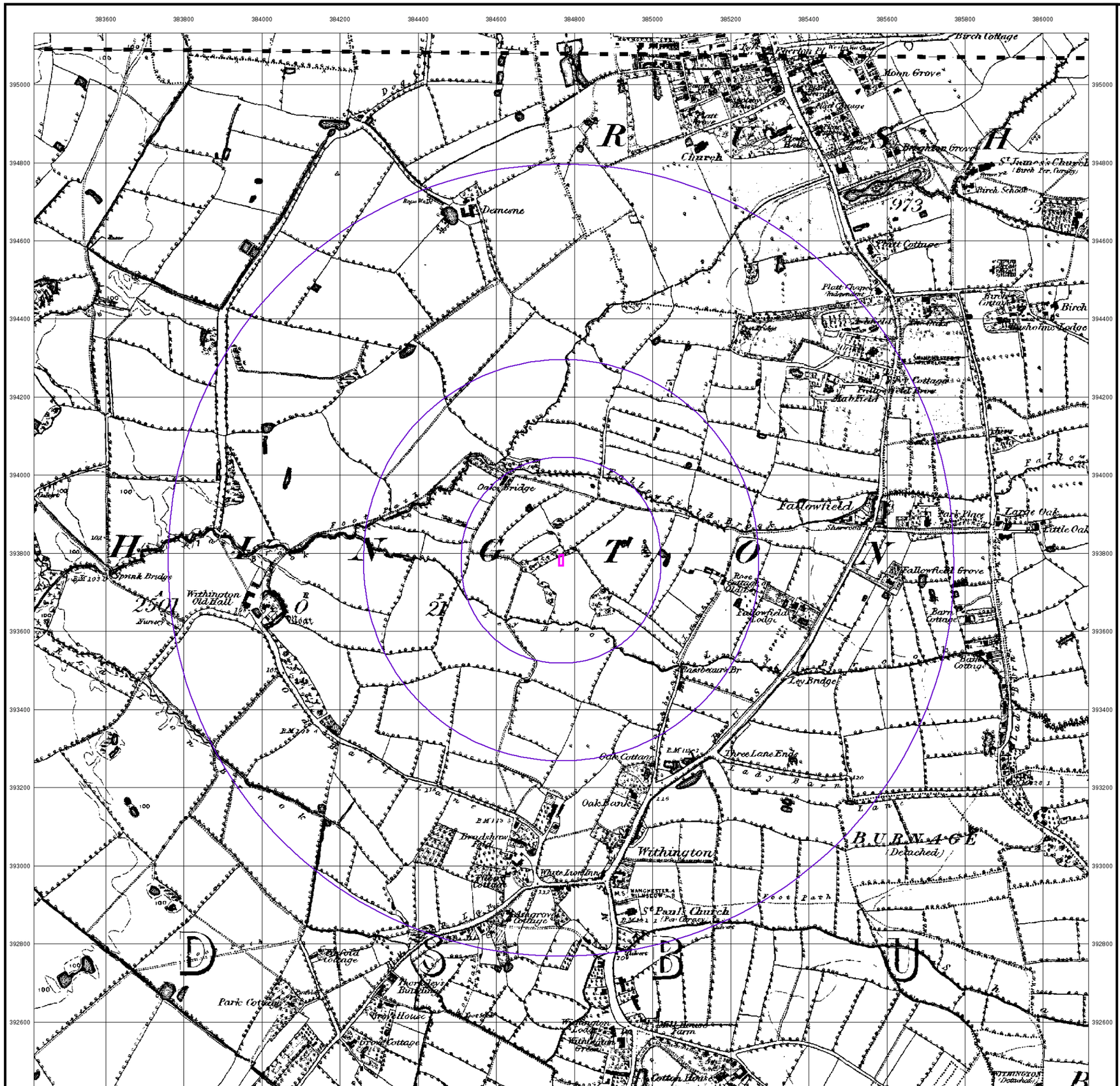
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Order Number: 363030306_1_1
Customer Ref: GSI 2245
National Grid Reference: 384770, 393780
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 1000

Site Details

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GEOCON®

Lancashire And Furness

Published 1848

Source map scale - 1:10,560

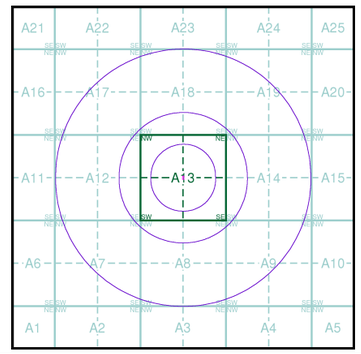
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some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

Map Name(s) and Date(s)

10400
1848
1:10,560

11100
1848
1:10,560

Historical Map - Slice A



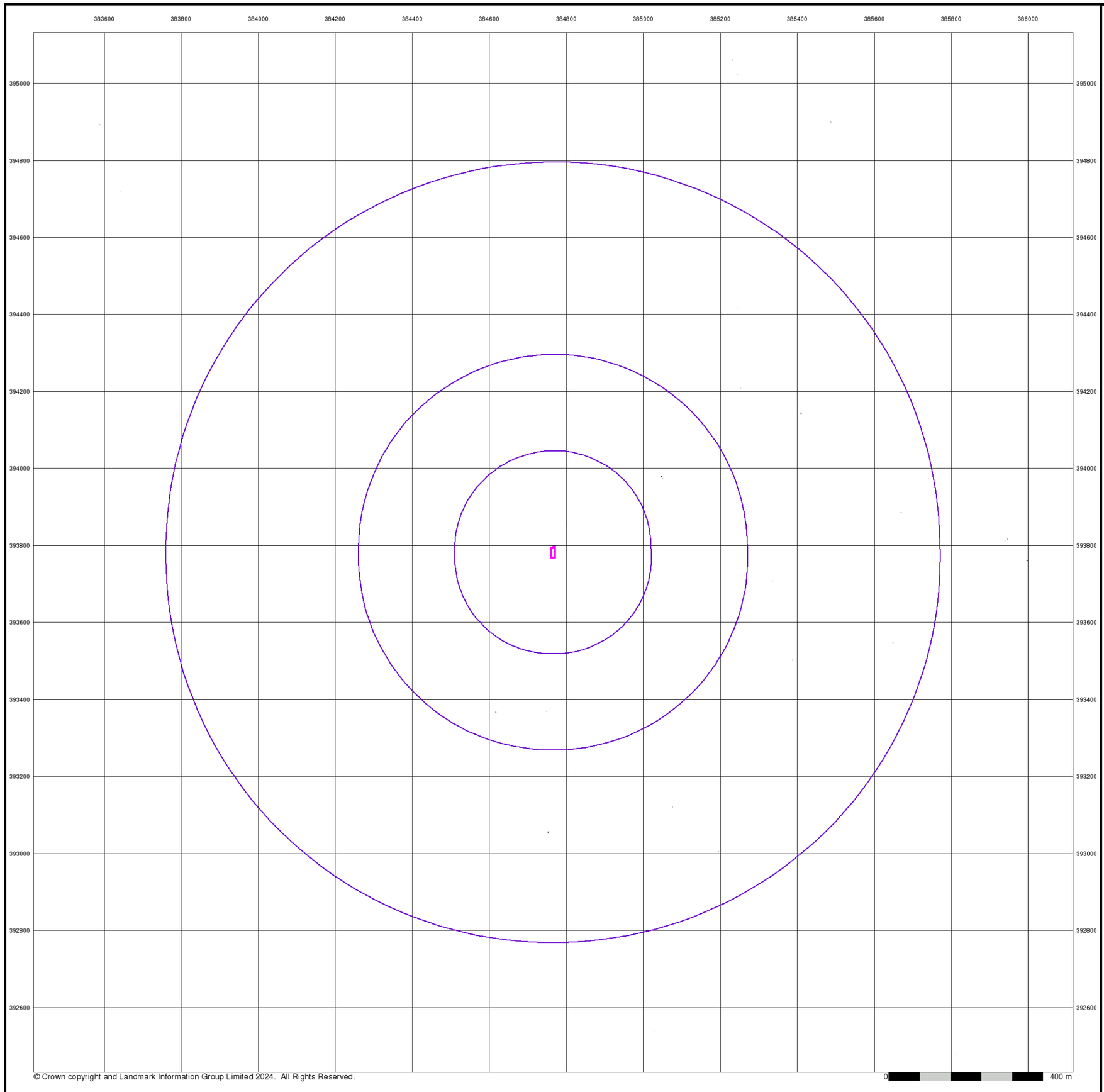
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Search Buffer (m):	1000

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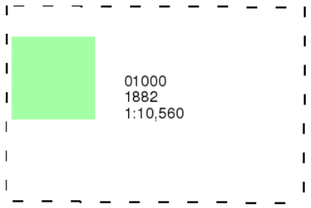
Cheshire

Published 1882

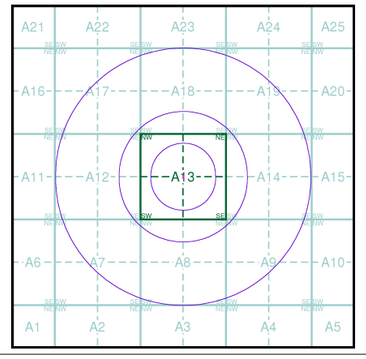
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

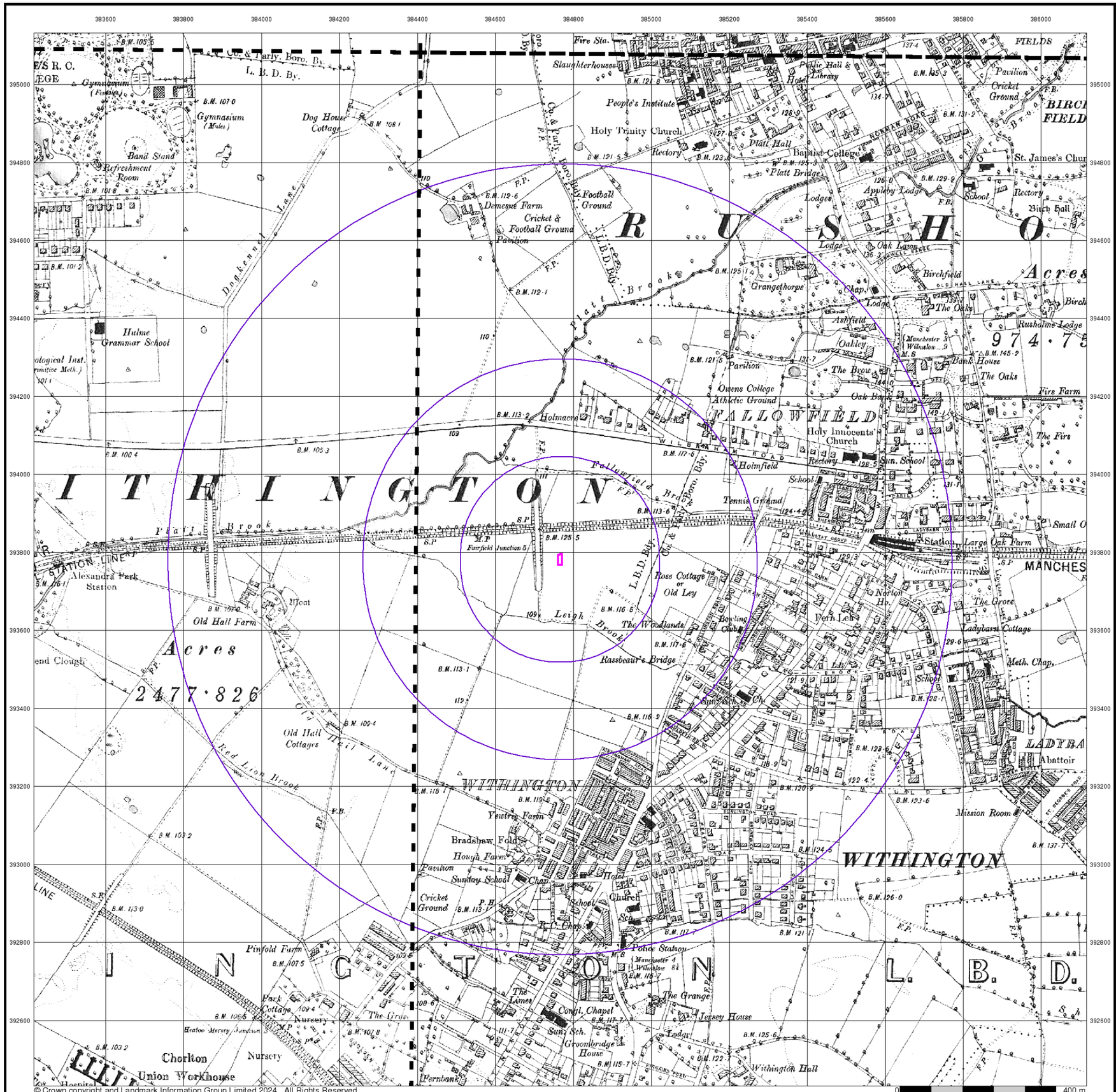
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Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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Lancashire And Furness

Published 1894 - 1896

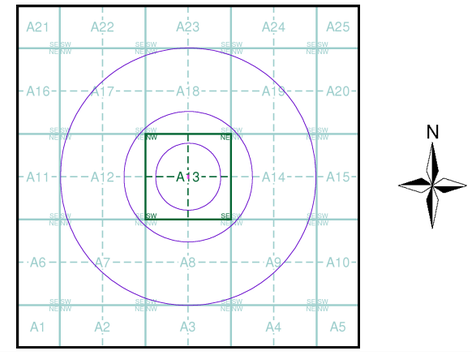
Source map scale - 1:10,560

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Map Name(s) and Date(s)

104SW 1896 1:10,560	104SE 1894 1:10,560
111NW 1894 1:10,560	111NE 1894 1:10,560

Historical Map - Slice A



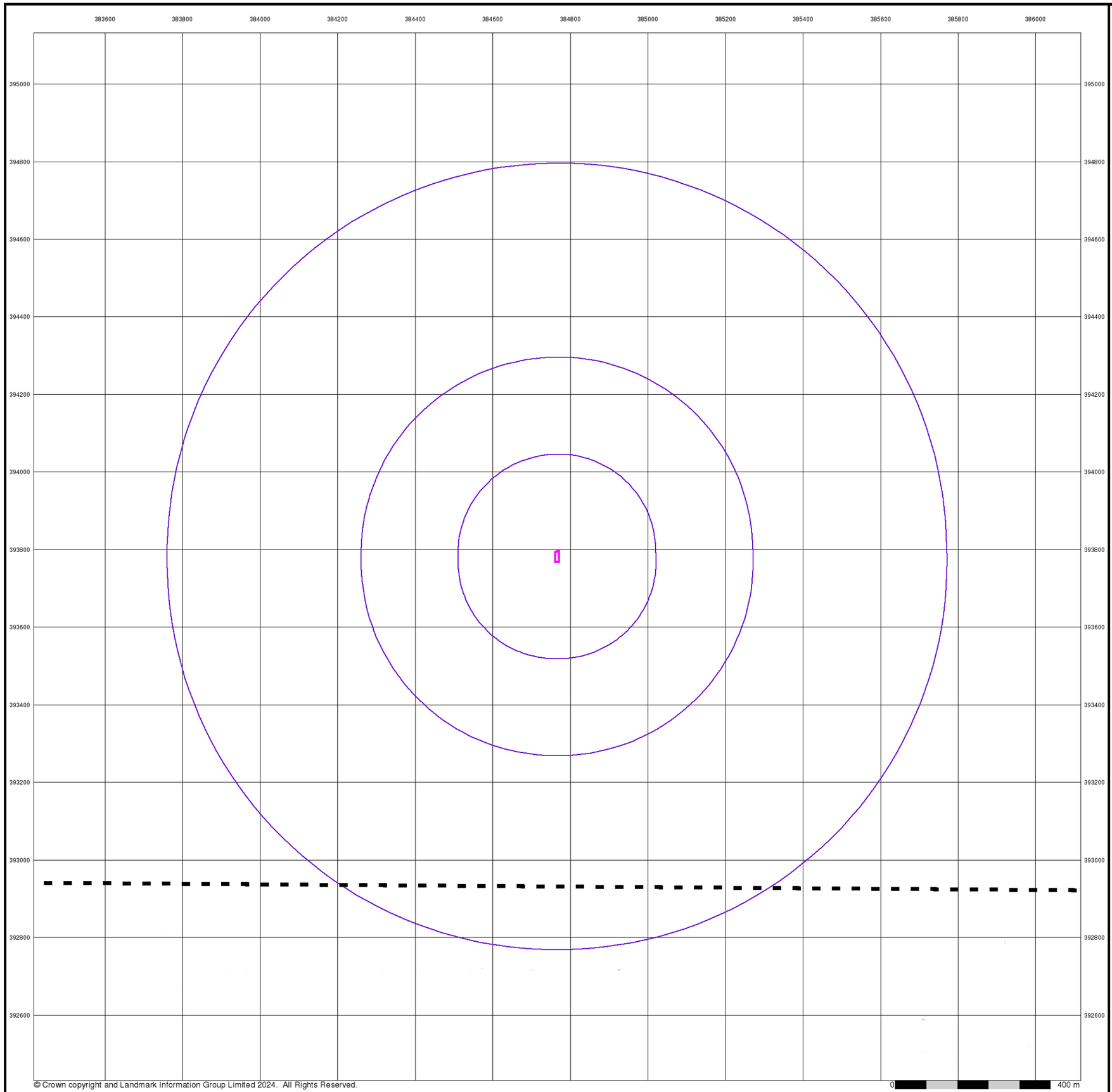
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Site Area (Ha):	0.03
Search Buffer (m):	1000

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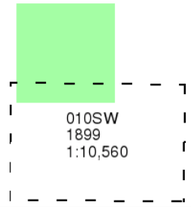
Cheshire

Published 1899

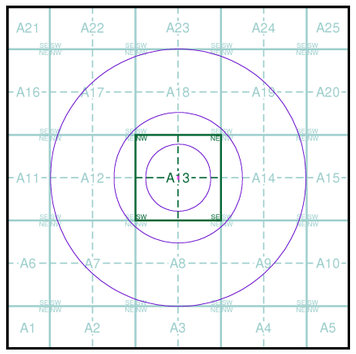
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
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Lancashire And Furness

Published 1908 - 1909

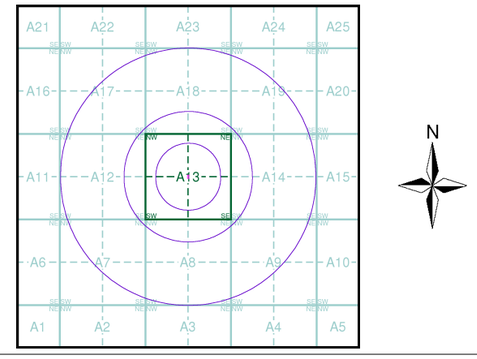
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

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

Historical Map - Slice A



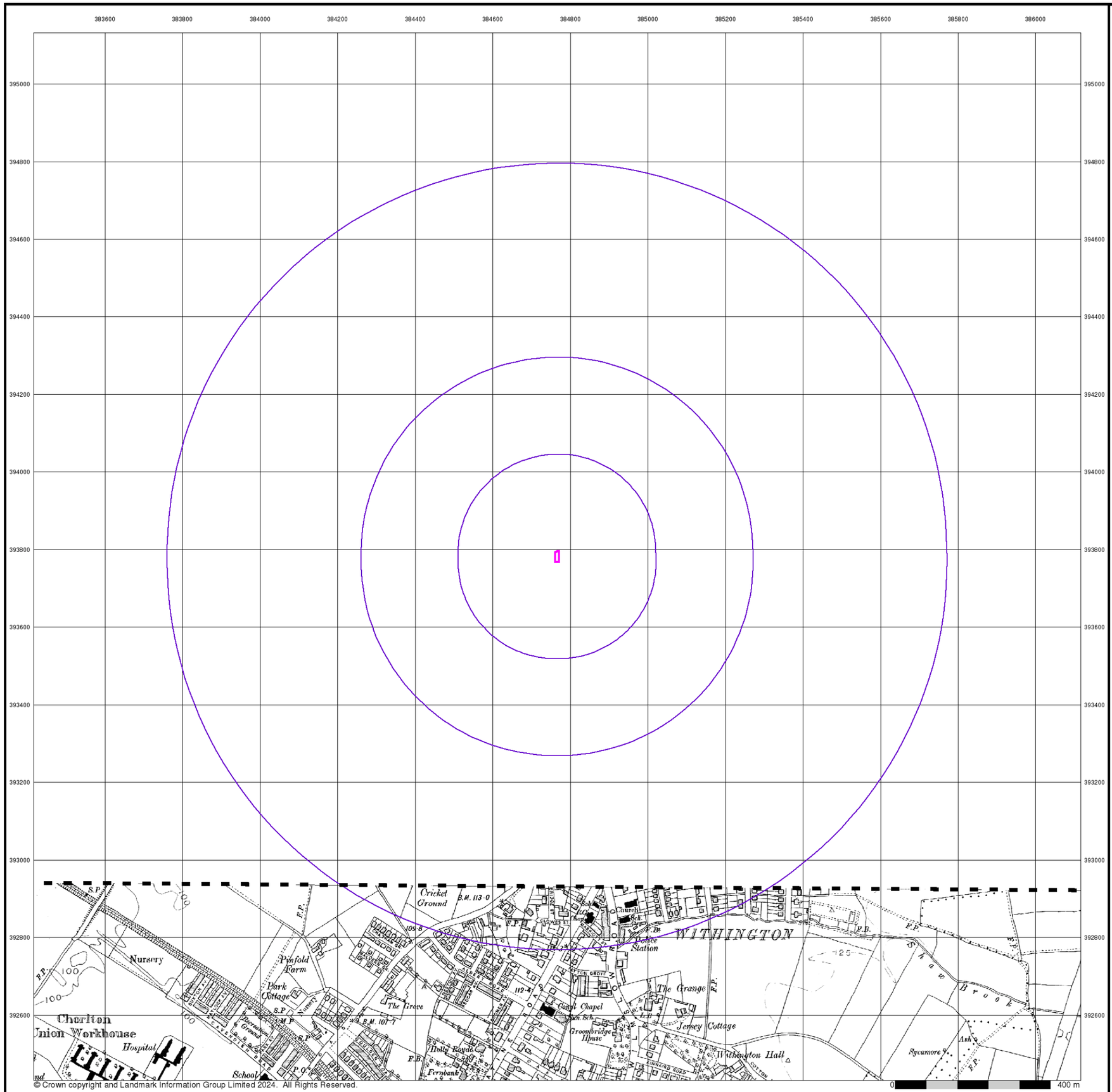
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National Grid Reference:	384770, 393780
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Site Area (Ha):	0.03
Search Buffer (m):	1000

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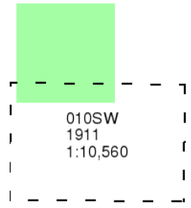
Cheshire

Published 1911

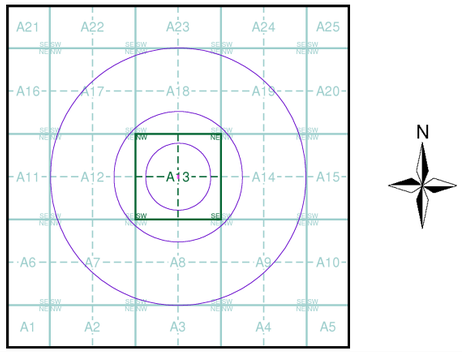
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



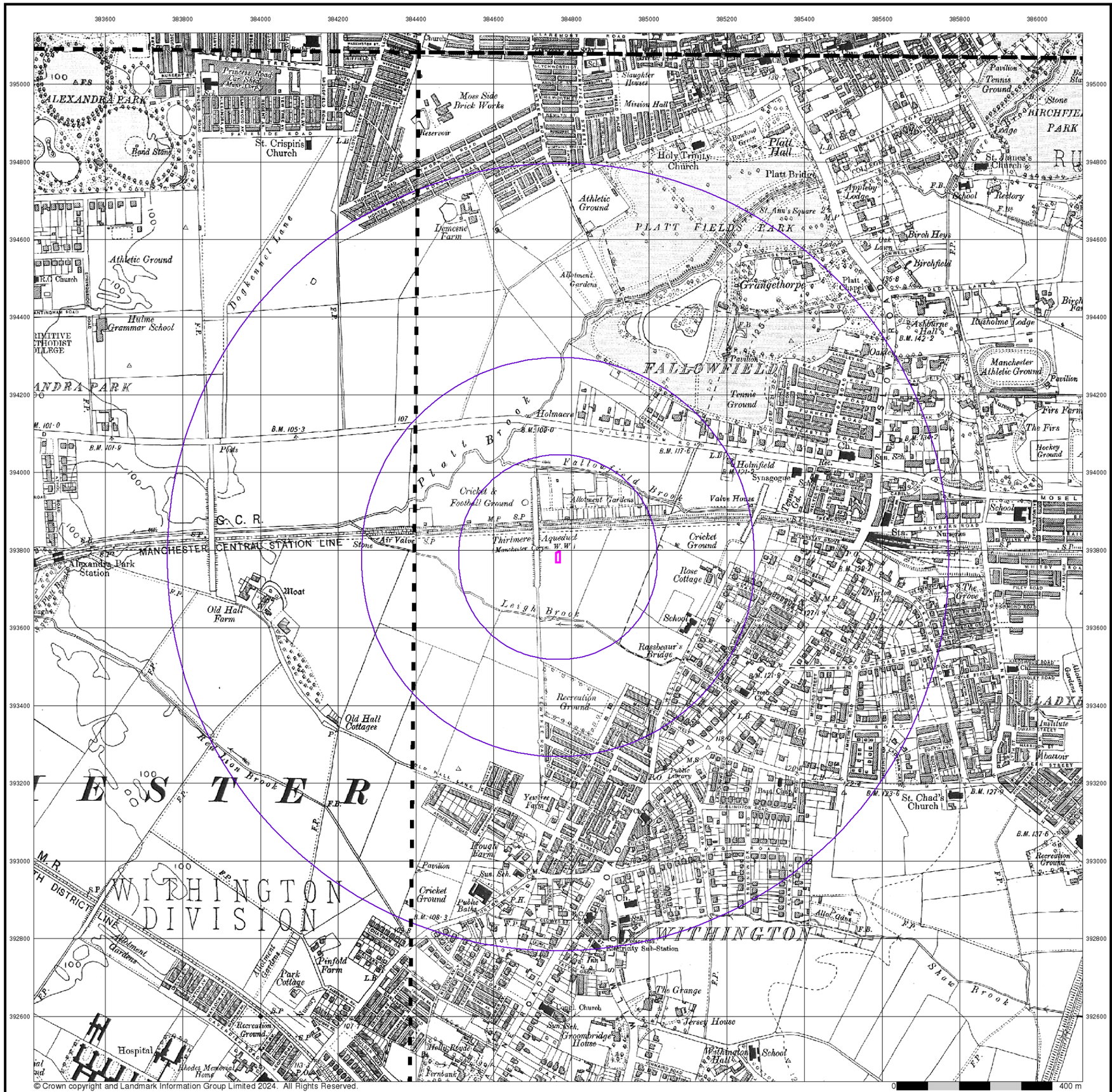
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Lancashire And Furness

Published 1923

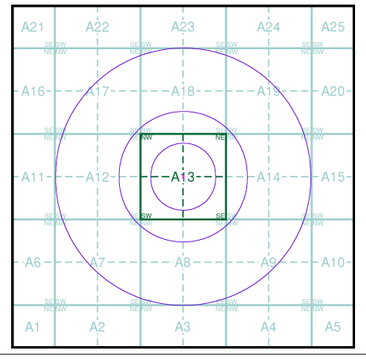
Source map scale - 1:10,560

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Map Name(s) and Date(s)

104SW 1923 1:10,560	104SE 1923 1:10,560
111NW 1923 1:10,560	111NE 1923 1:10,560

Historical Map - Slice A



Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
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Lancashire And Furness

Published 1932 - 1934

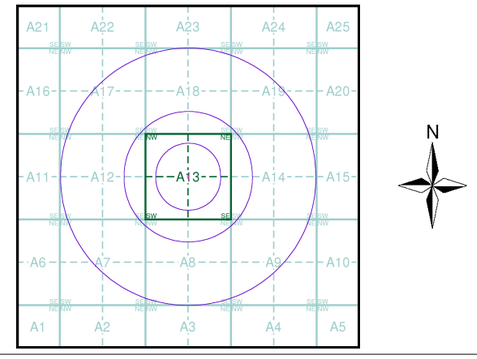
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

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

Historical Map - Slice A



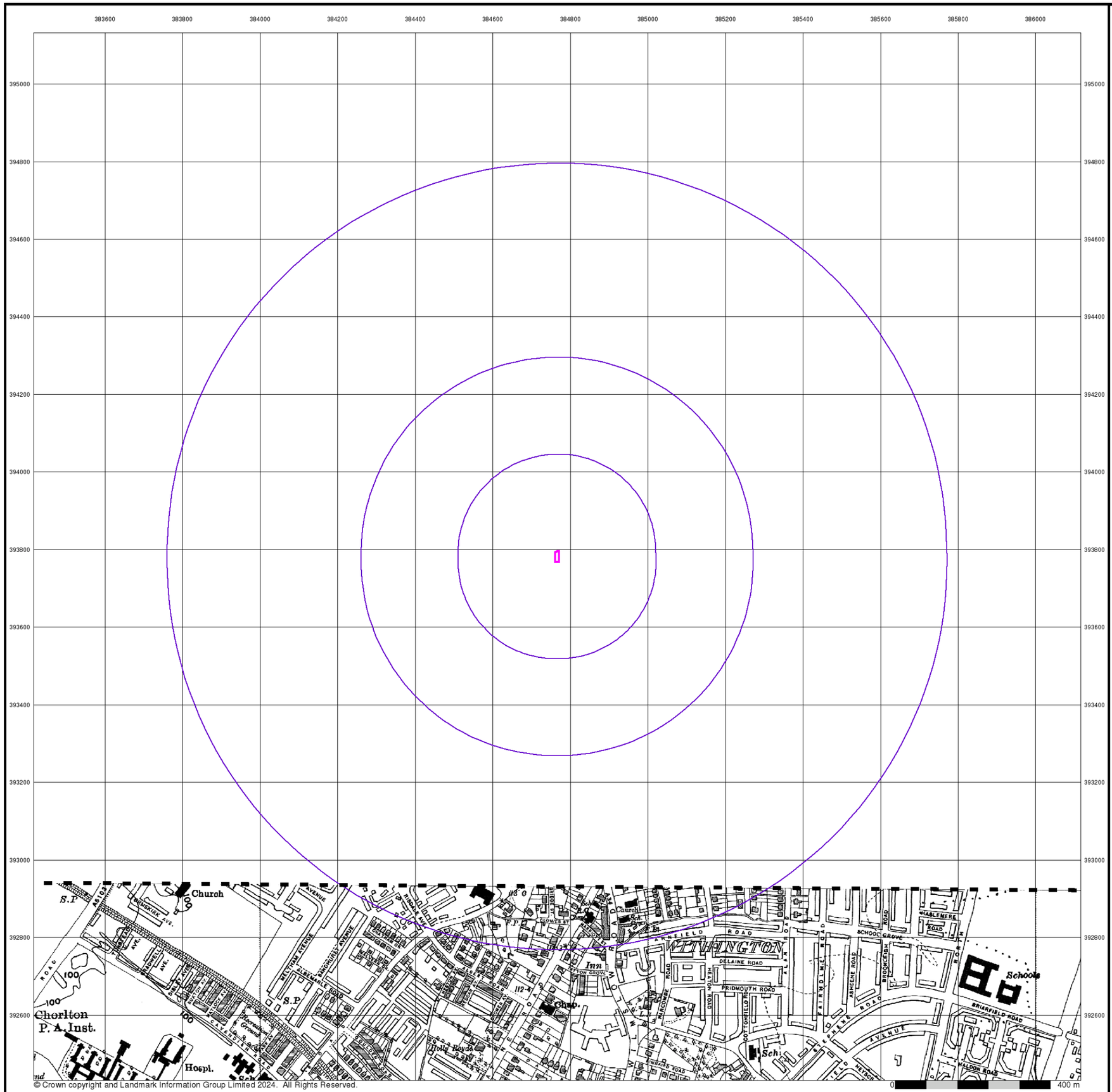
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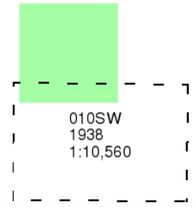
Cheshire

Published 1938

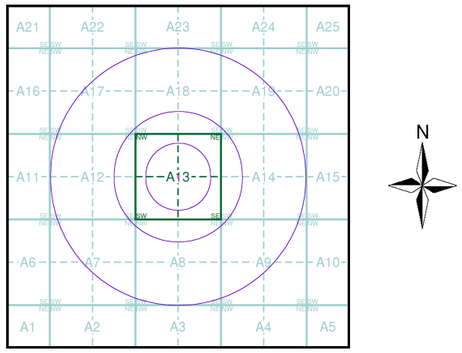
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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GEOCON®

Lancashire And Furness

Published 1938

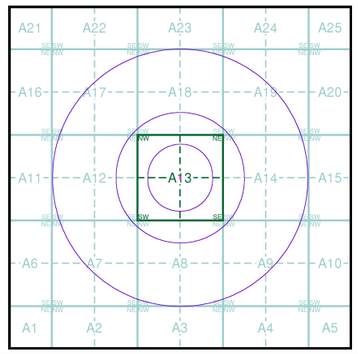
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Map Name(s) and Date(s)

104SW 1938 1:10,560	104SE 1938 1:10,560
111NW 1938 1:10,560	111NE 1938 1:10,560

Historical Map - Slice A

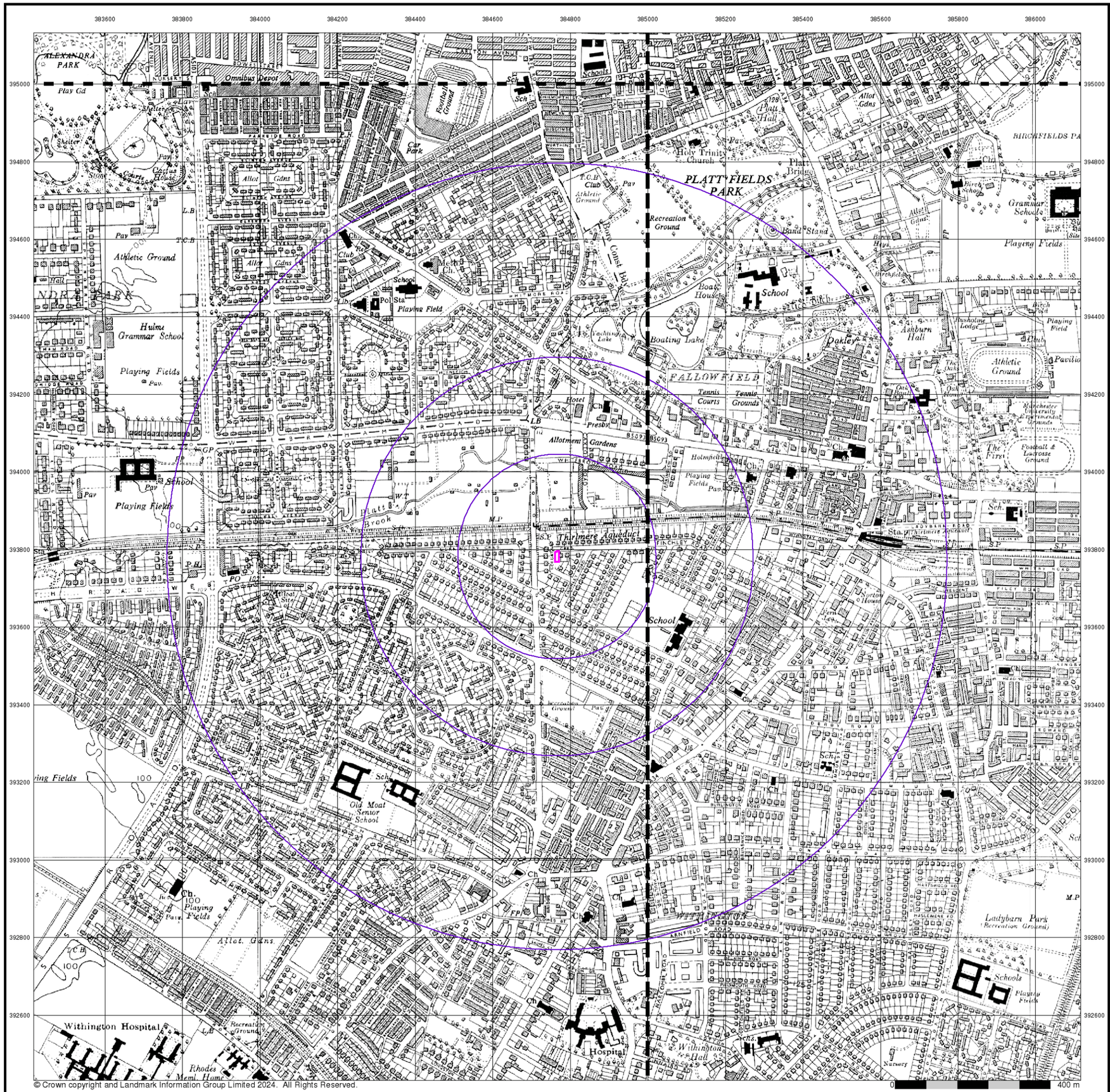


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National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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Ordnance Survey Plan

Published 1955 - 1956

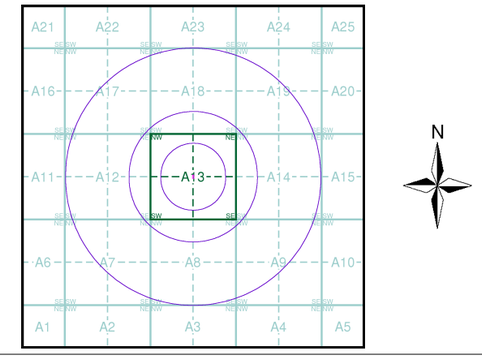
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SJ89NW 1956 1:10,560	SJ89NE 1956 1:10,560
SJ89SW 1955 1:10,560	SJ89SE 1955 1:10,560

Historical Map - Slice A



Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1965 - 1968

Source map scale - 1:10,000

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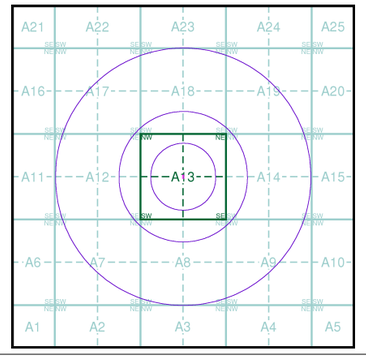
Map Name(s) and Date(s)

SJ89NE
1968
1:10,560

SJ89SW
1966
1:10,560

SJ89SE
1965
1:10,560

Historical Map - Slice A



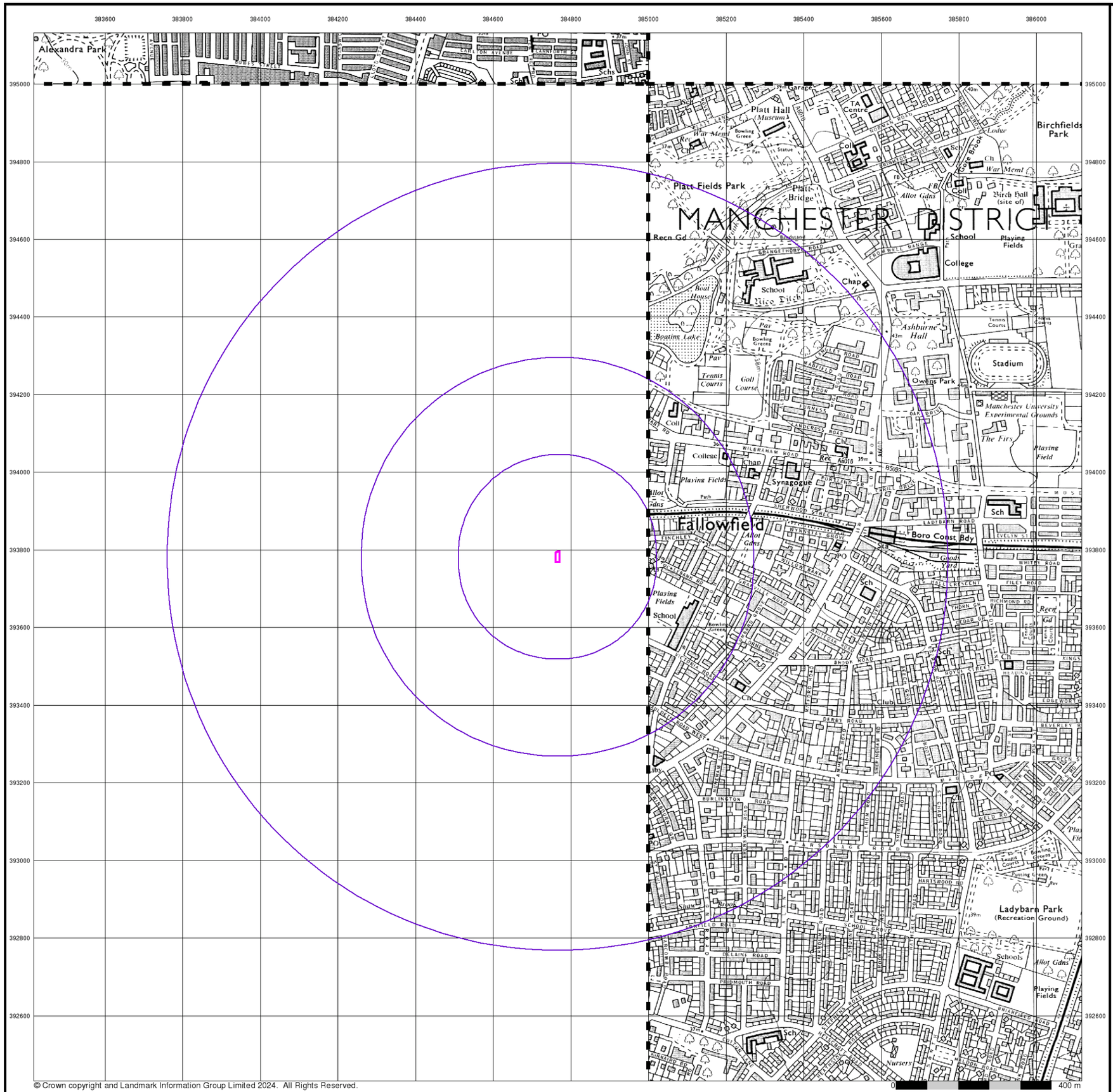
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Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1972 - 1976

Source map scale - 1:10,000

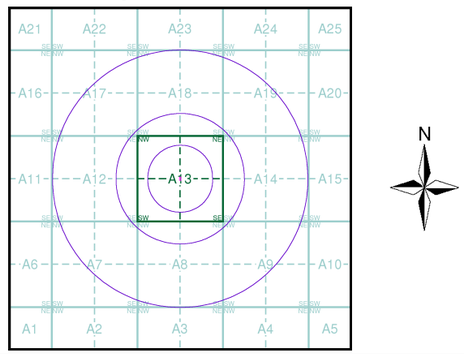
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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
1972
1:10,000

SJ89SE
1976
1:10,000

Historical Map - Slice A



Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
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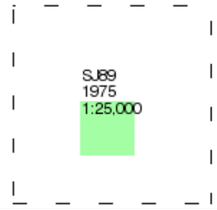
Manchester

Published 1975

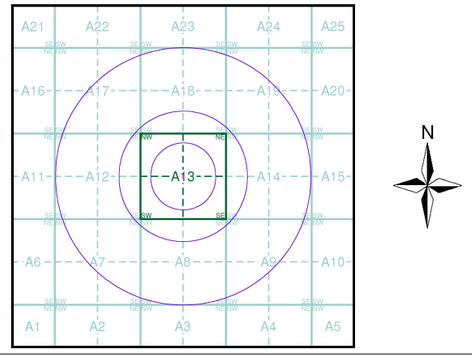
Source map scale - 1:25,000

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:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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0 400 m

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Ordnance Survey Plan

Published 1980 - 1985

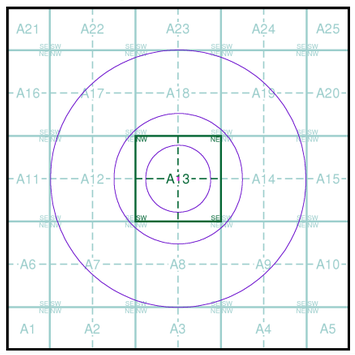
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SJ89NW 1980 1:10,000	SJ89NE 1981 1:10,000
SJ89SW 1981 1:10,000	SJ89SE 1985 1:10,000

Historical Map - Slice A



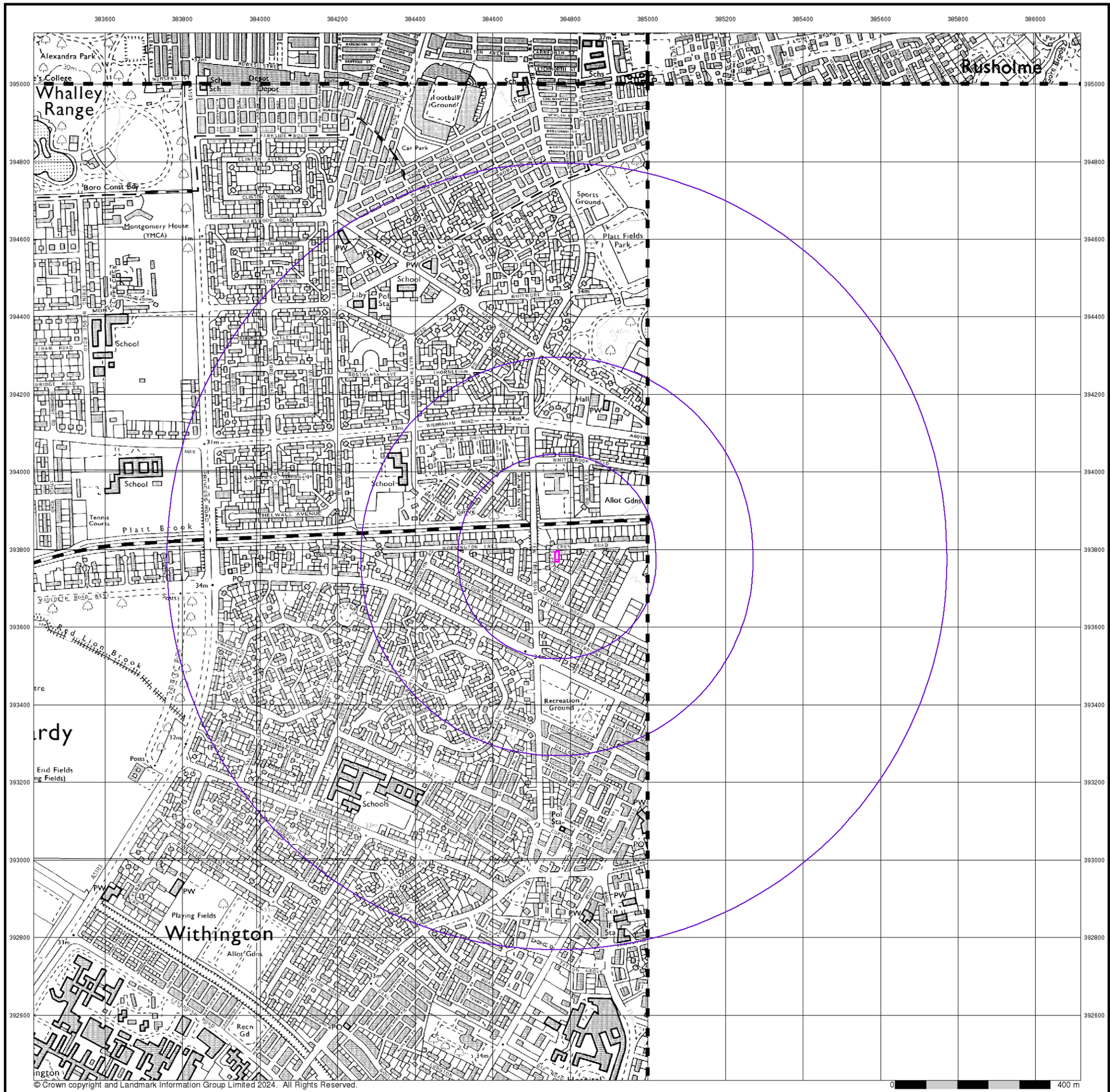
Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1985 - 1989

Source map scale - 1:10,000

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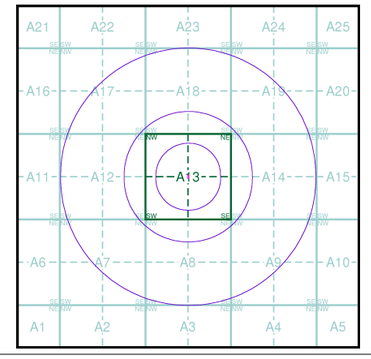
Map Name(s) and Date(s)

SJ89NW 1985 1:10,000

SJ89NE 1987 1:10,000

SJ89SW 1989 1:10,000

Historical Map - Slice A



Order Details

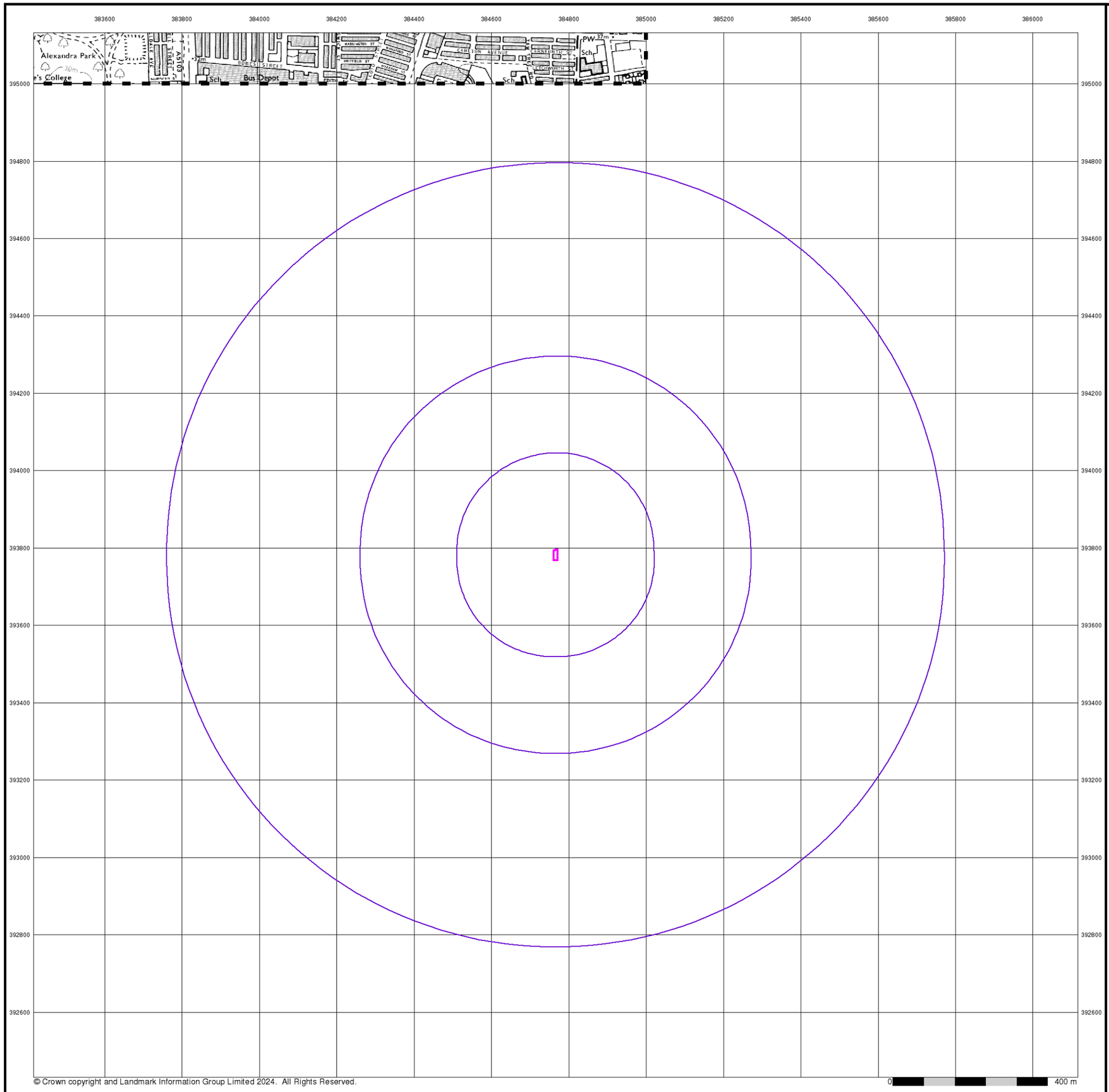
Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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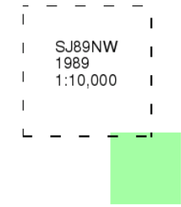
Ordnance Survey Plan

Published 1989

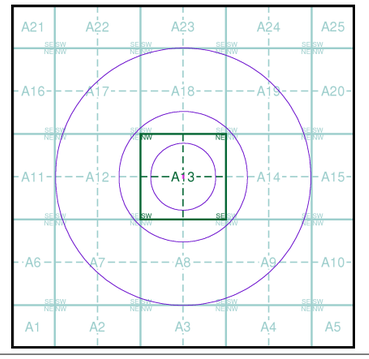
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

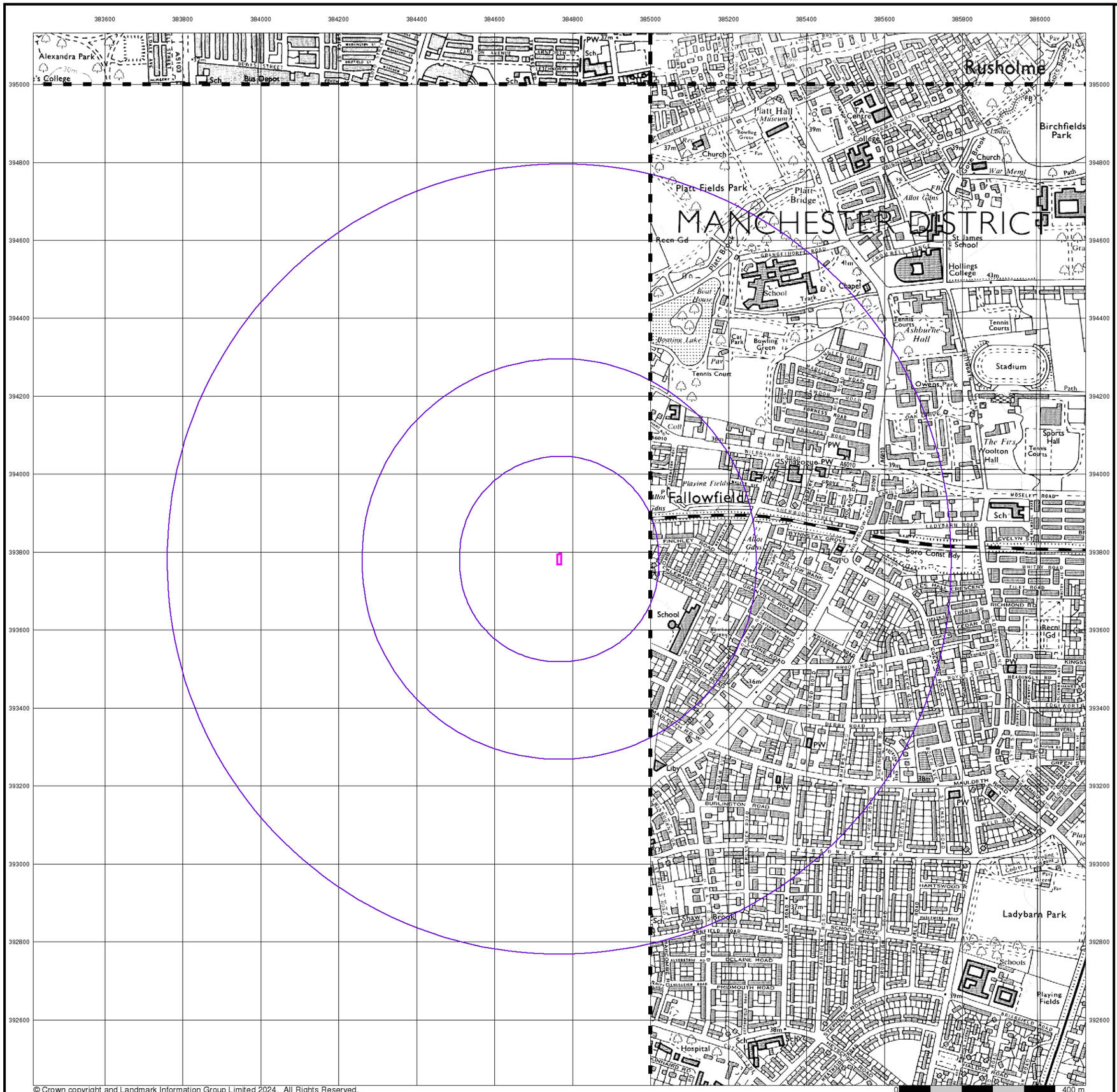
Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1990 - 1994

Source map scale - 1:10,000

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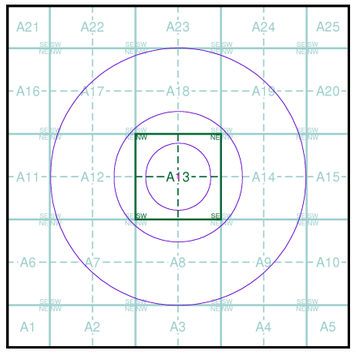
Map Name(s) and Date(s)

SJ89NW 1994 1:10,000

SJ89NE 1993 1:10,000

SJ89SE 1990 1:10,000

Historical Map - Slice A



Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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10k Raster Mapping

Published 1999

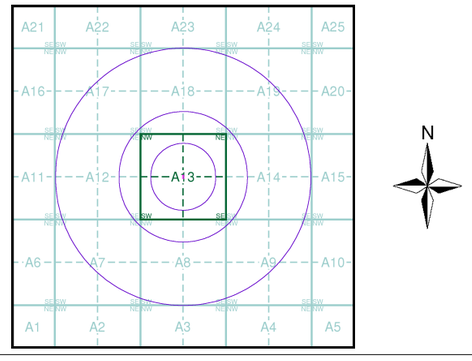
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SJ89NW 1999 1:10,000	SJ89NE 1999 1:10,000
SJ89SW 1999 1:10,000	SJ89SE 1999 1:10,000

Historical Map - Slice A



Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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10k Raster Mapping

Published 2006

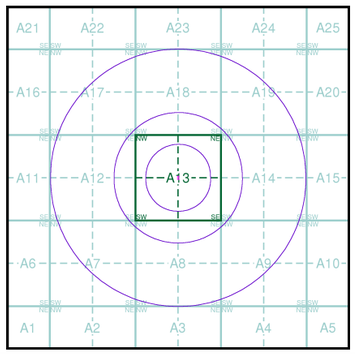
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SJ89NW 2006 1:10,000	SJ89NE 2006 1:10,000
SJ89SW 2006 1:10,000	SJ89SE 2006 1:10,000

Historical Map - Slice A



N

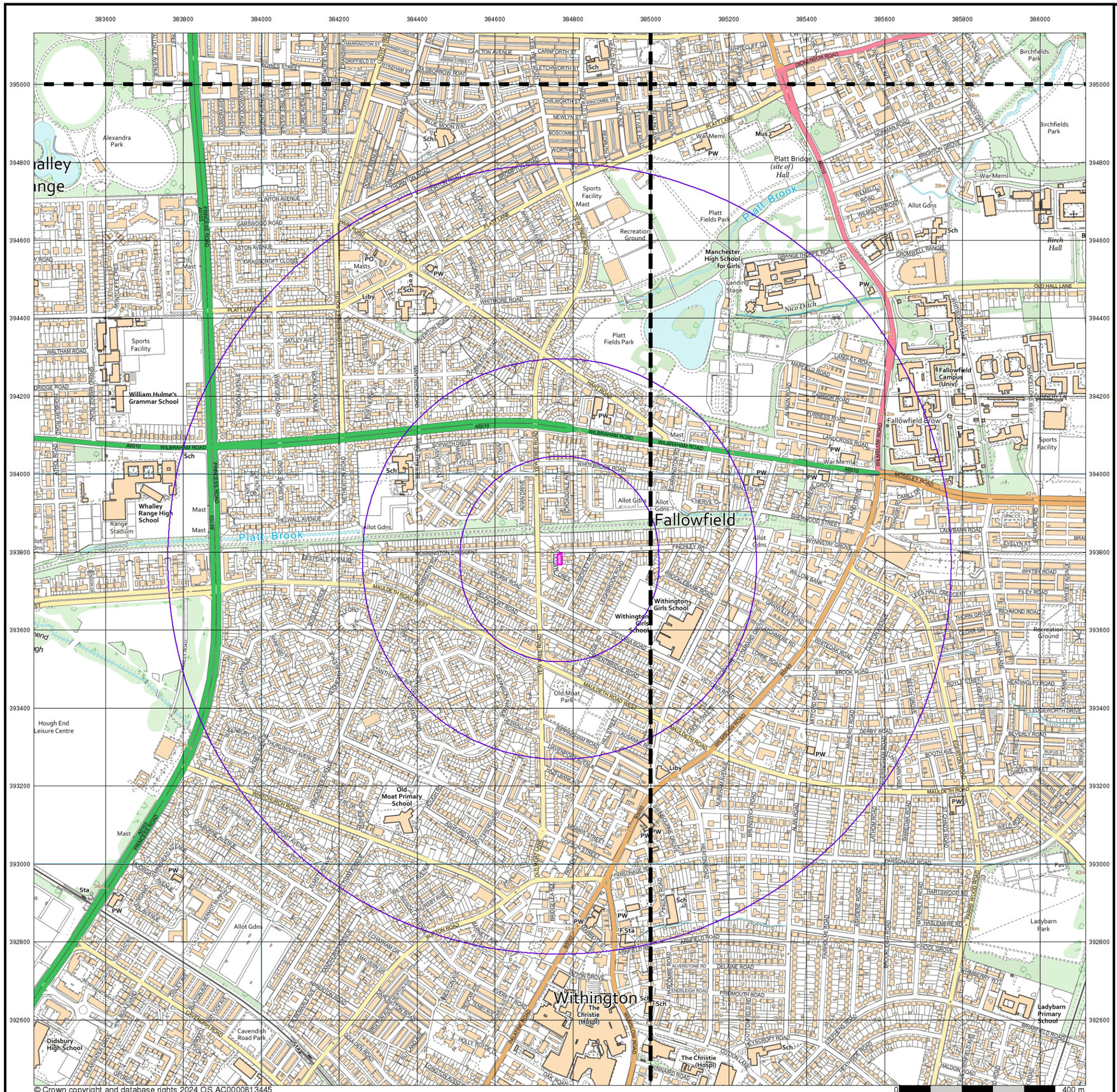
Order Details

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Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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VectorMap Local

Published 2024

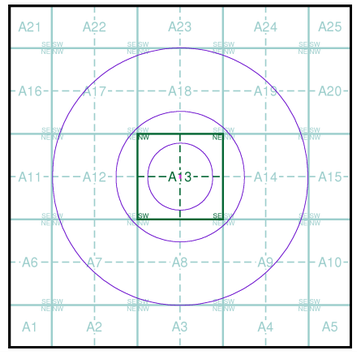
Source map scale - 1:10,000

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 2024 Variable	SJ89NE 2024 Variable
SJ89SW 2024 Variable	SJ89SE 2024 Variable

Historical Map - Slice A



Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
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Site Details

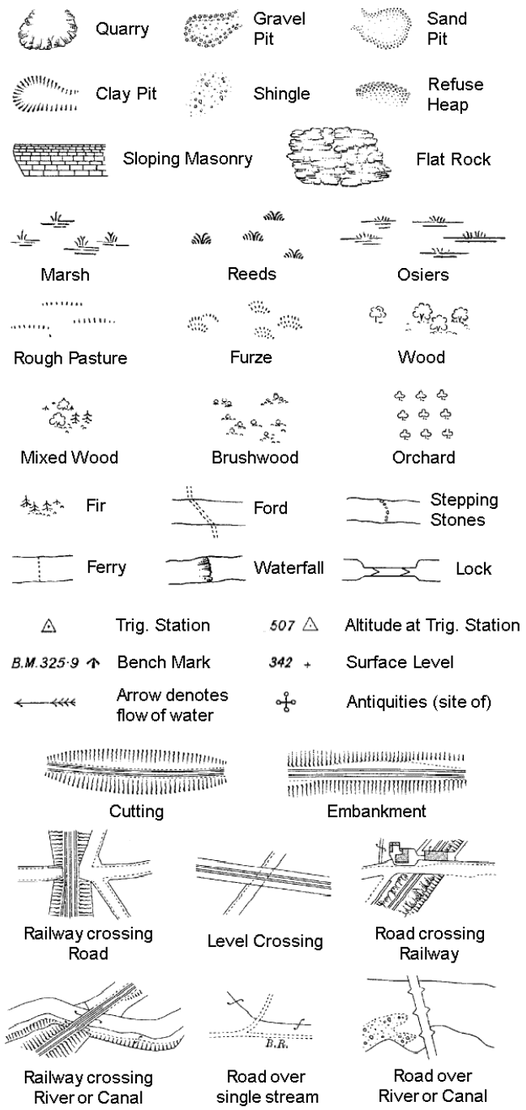
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Historical Mapping Legends

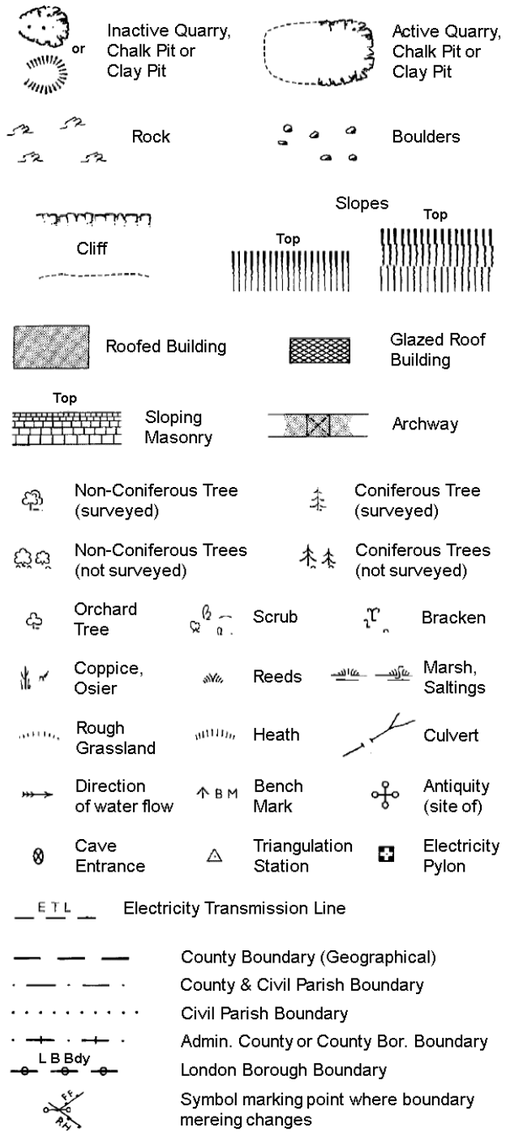
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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

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

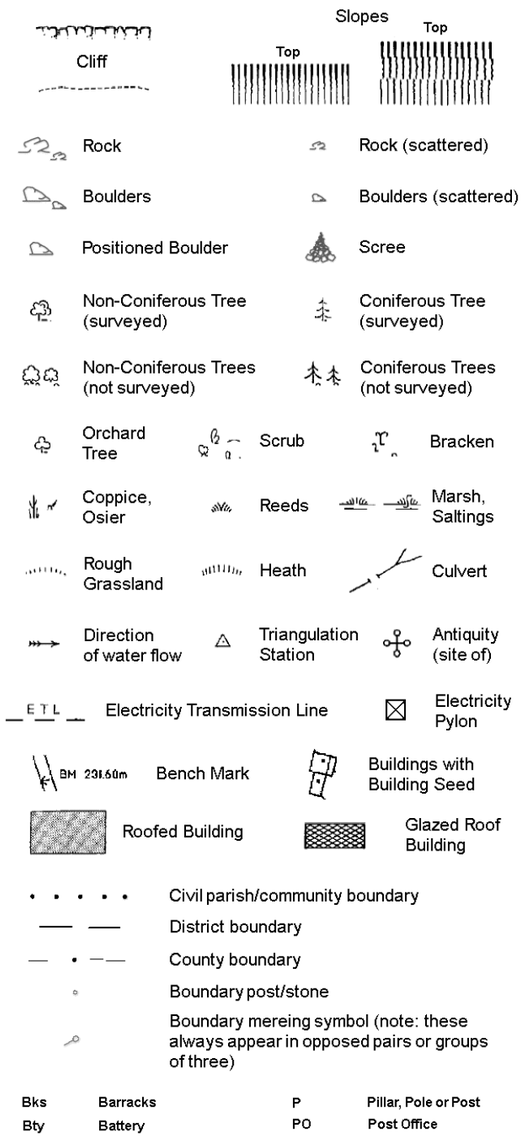
Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



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

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

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



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

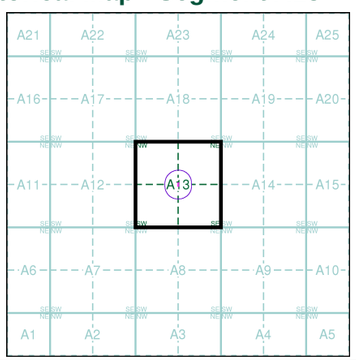
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity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

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893 - 1894	2
Lancashire And Furness	1:2,500	1907	3
Lancashire And Furness	1:2,500	1922	4
Lancashire And Furness	1:2,500	1934	5
Ordnance Survey Plan	1:1,250	1951 - 1958	6
Ordnance Survey Plan	1:2,500	1952 - 1958	7
Ordnance Survey Plan	1:1,250	1958 - 1987	8
Additional SIMs	1:1,250	1958 - 1986	9
Ordnance Survey Plan	1:2,500	1968	10
Supply of Unpublished Survey Information	1:1,250	1976	11
Supply of Unpublished Survey Information	1:1,250	1977	12
Additional SIMs	1:1,250	1977 - 1988	13
Additional SIMs	1:1,250	1983 - 1988	14
Additional SIMs	1:1,250	1986	15
Large-Scale National Grid Data	1:1,250	1992	16
Large-Scale National Grid Data	1:1,250	1994 - 1995	17
Historical Aerial Photography	1:2,500	2000	18

Historical Map - Segment A13



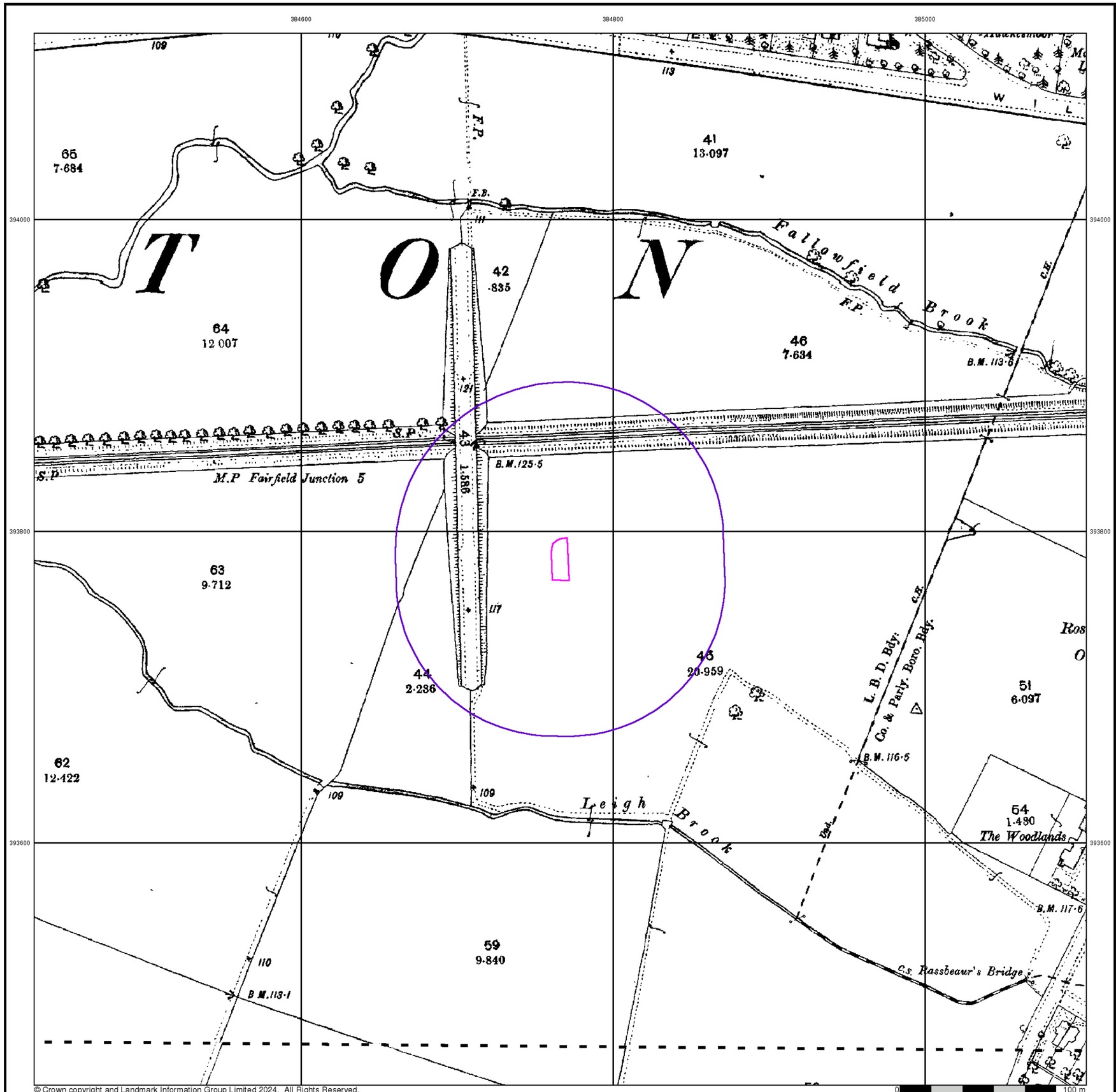
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Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

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Lancashire And Furness

Published 1893 - 1894

Source map scale - 1:2,500

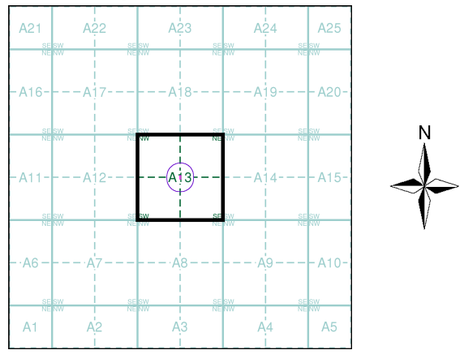
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

111_03
1893
1:2,500

111_07
1894
1:2,500

Historical Map - Segment A13



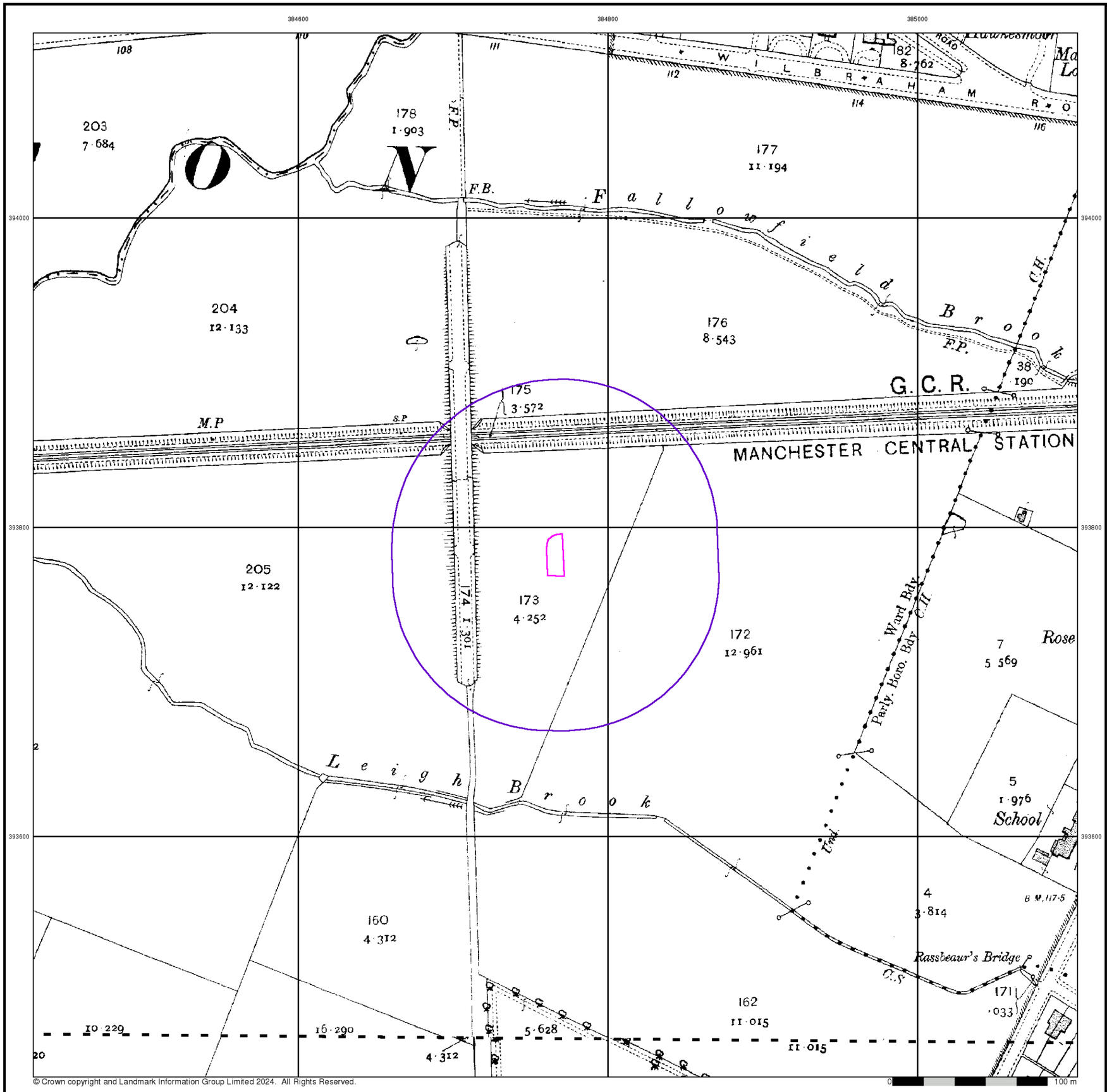
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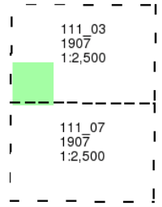
Lancashire And Furness

Published 1907

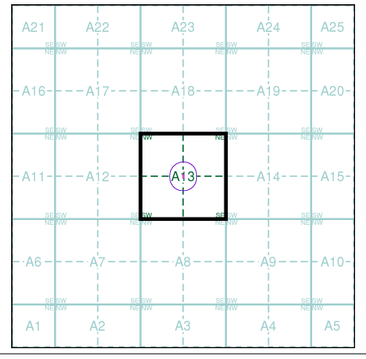
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



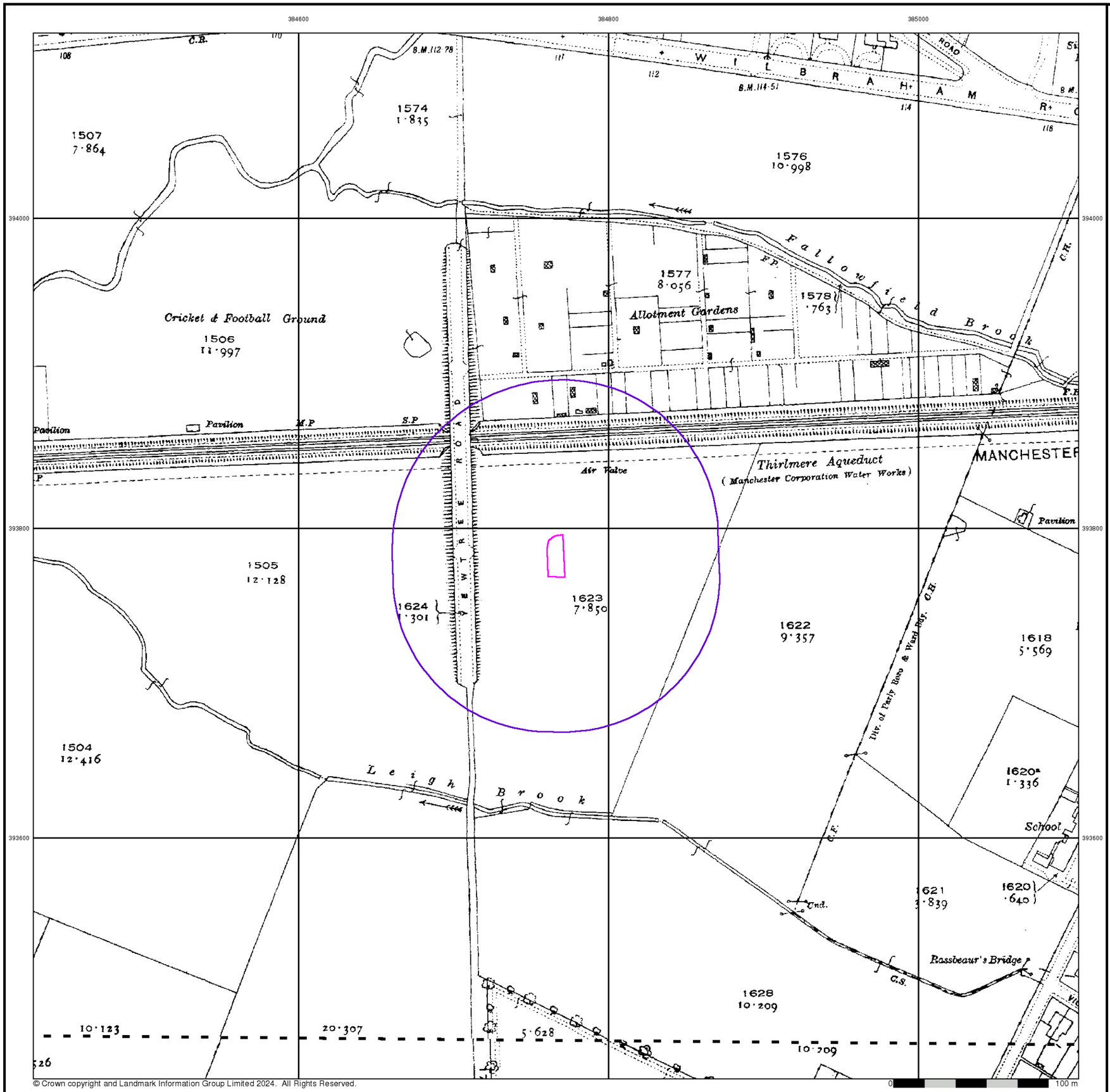
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Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
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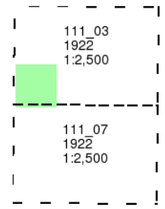
Lancashire And Furness

Published 1922

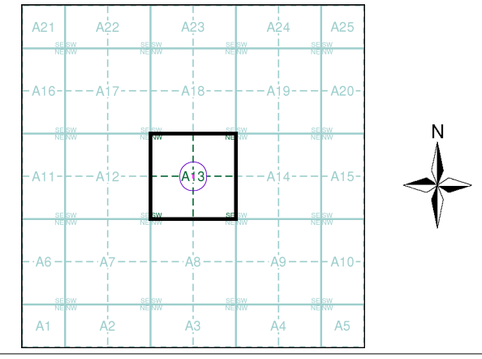
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



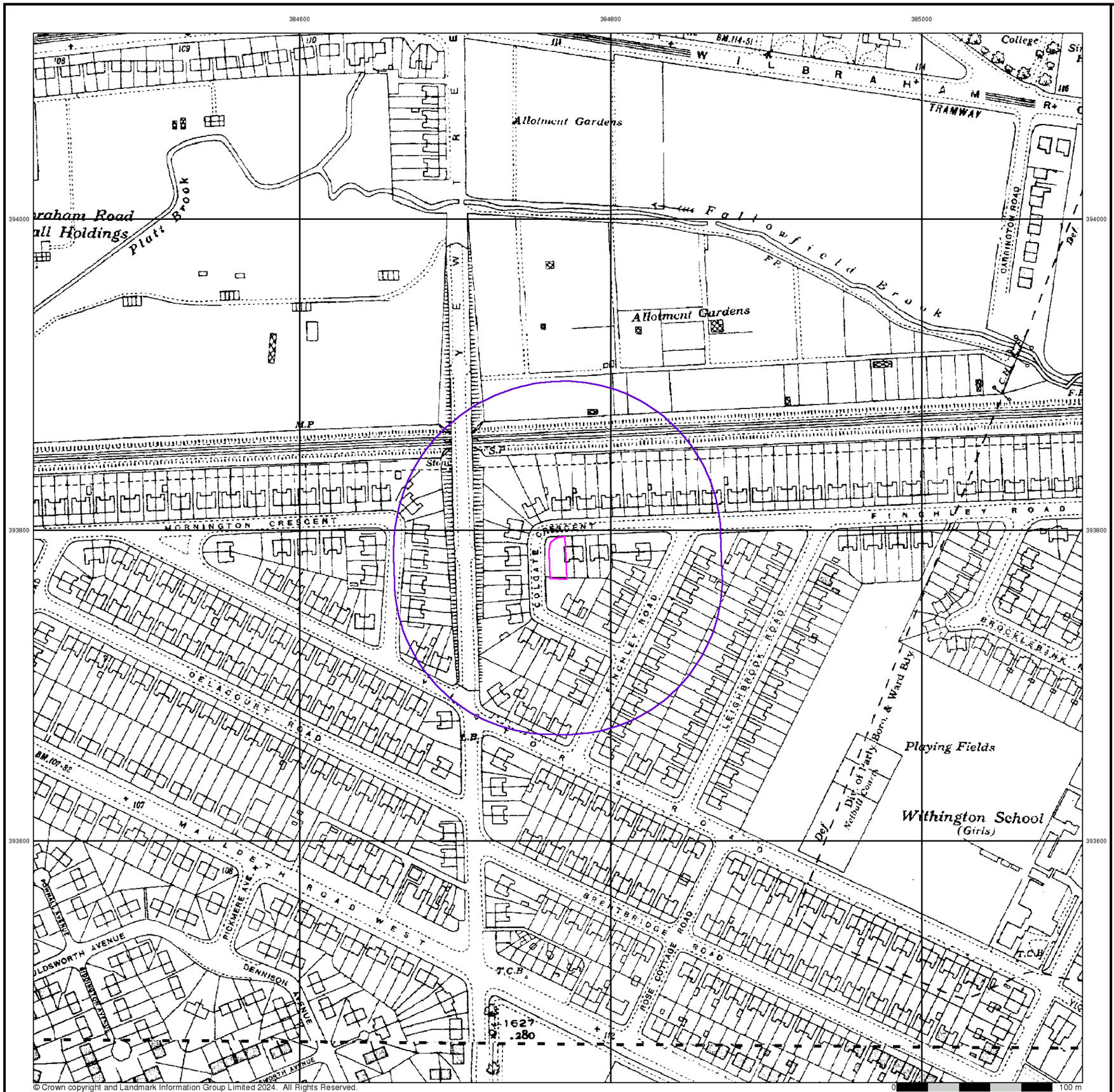
Order Details

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Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

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Lancashire And Furness

Published 1934

Source map scale - 1:2,500

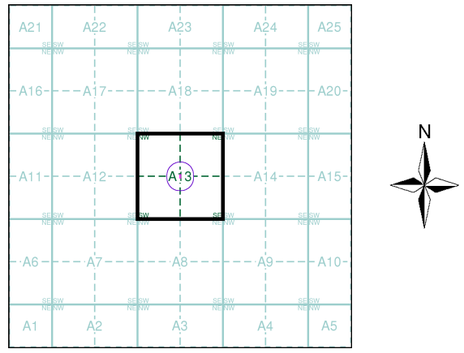
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

111_03
1934
1:2,500

111_07
1934
1:2,500

Historical Map - Segment A13



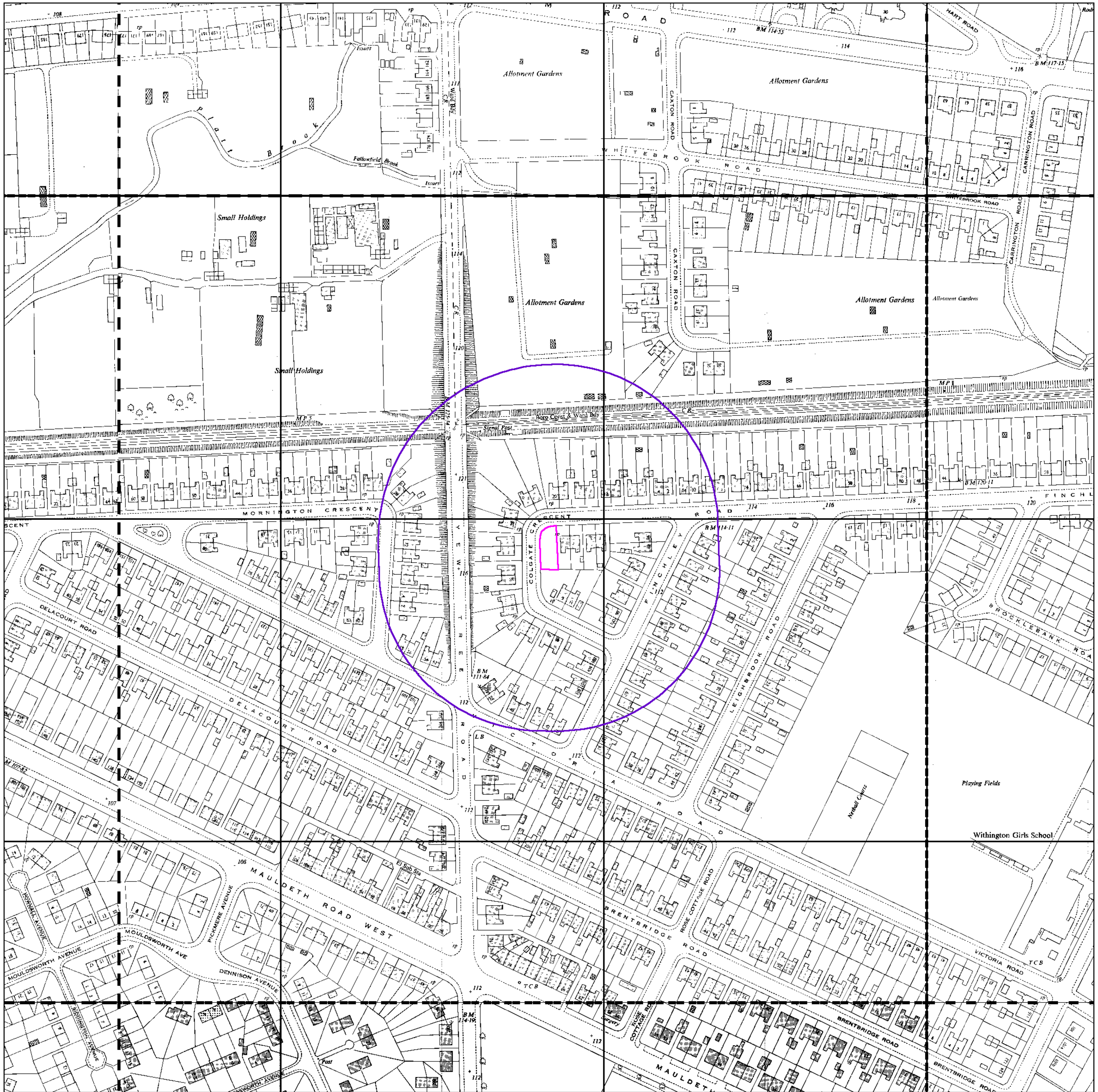
Order Details

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Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
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Search Buffer (m):	100

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Ordnance Survey Plan

Published 1951 - 1958

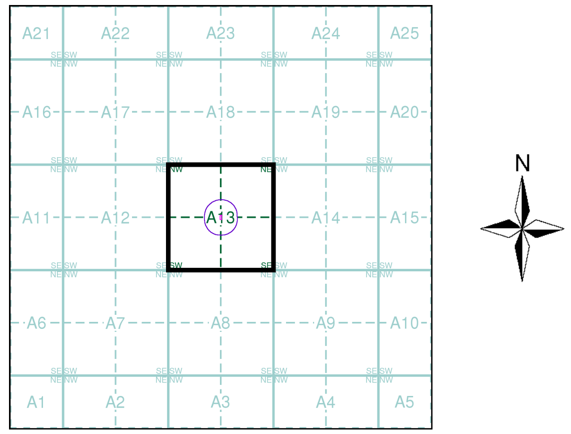
Source map scale - 1:1,250

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)

SJ8494SW 1951 1:1,250	SJ8494SE 1951 1:1,250	SJ8594SW 1957 1:1,250
SJ8493NW 1958 1:1,250	SJ8493NE 1958 1:1,250	SJ8593NW 1958 1:1,250
SJ8493SW 1958 1:1,250	SJ8493SE 1958 1:1,250	SJ8593SW 1958 1:1,250

Historical Map - Segment A13



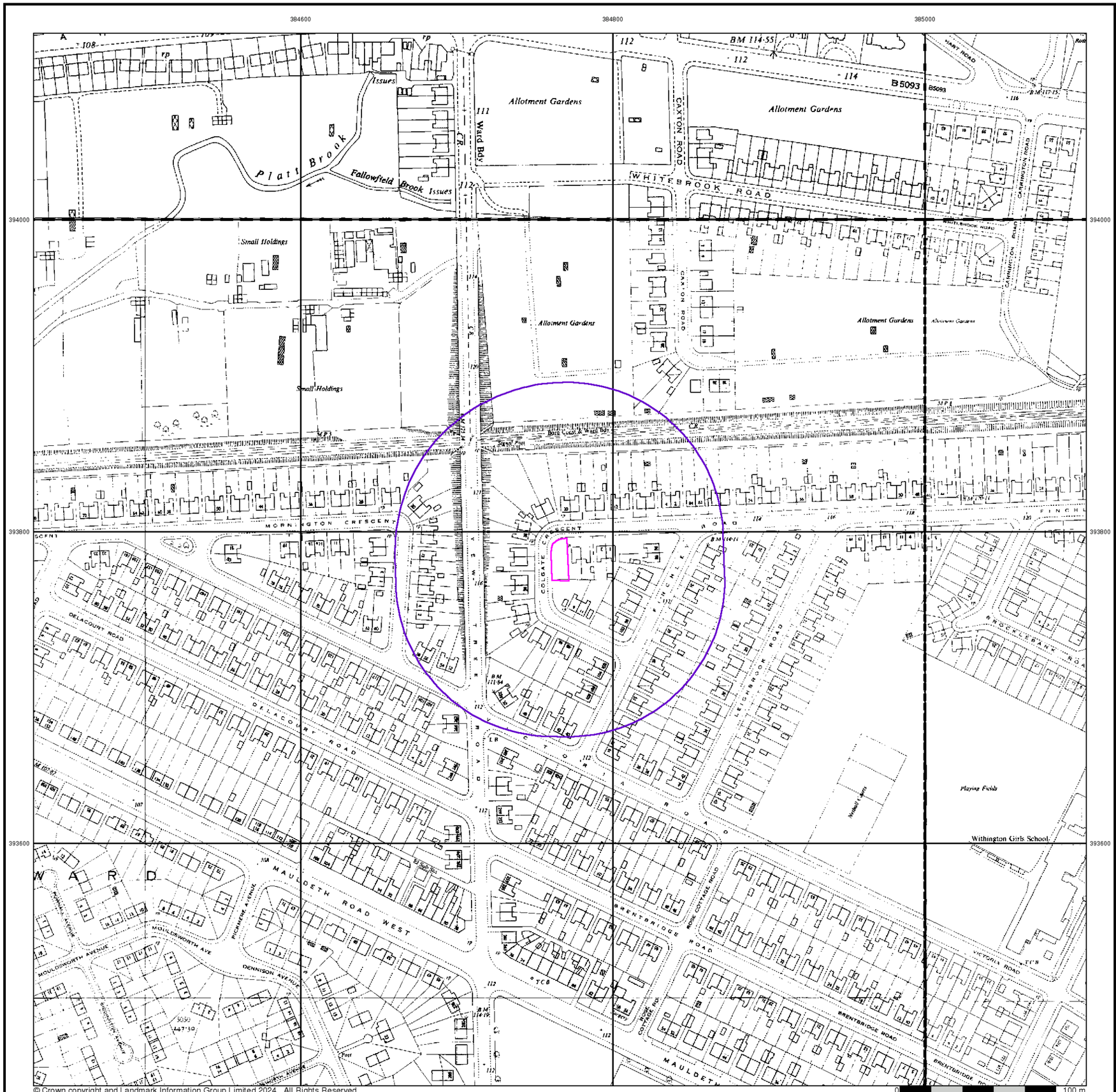
Order Details

Order Number: 363030306_1_1
Customer Ref: GSI 2245
National Grid Reference: 384770, 393780
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

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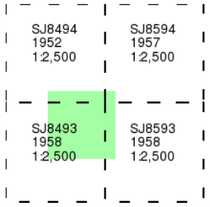
Ordnance Survey Plan

Published 1952 - 1958

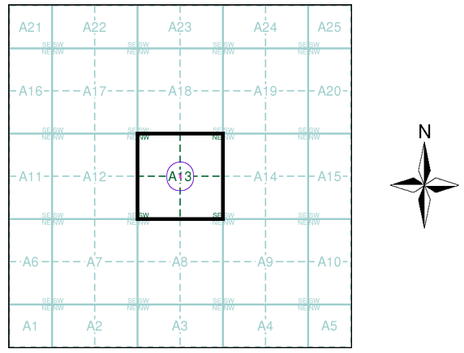
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	363030306_1_1
Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

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Ordnance Survey Plan

Published 1958 - 1987

Source map scale - 1:1,250

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Map Name(s) and Date(s)

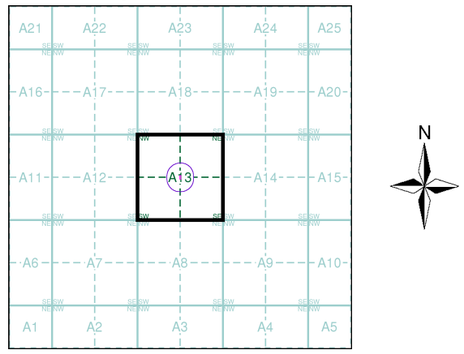
SJ8494SE
1958
1:1,250

SJ8493NE
1987
1:1,250

SJ8493SE
1987
1:1,250

SJ8593SW
1974
1:1,250

Historical Map - Segment A13



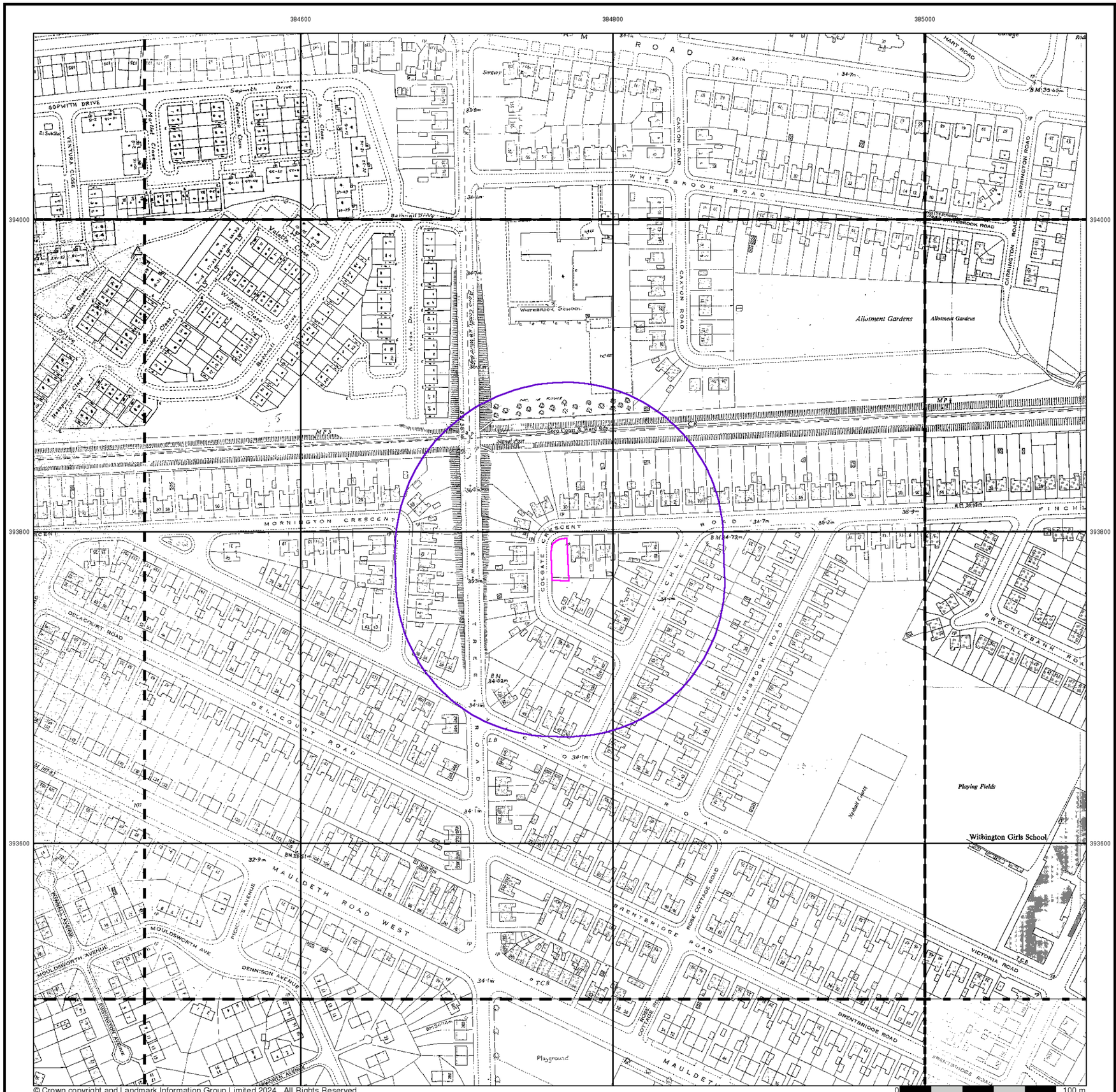
Order Details

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Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

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Additional SIMs

Published 1958 - 1986

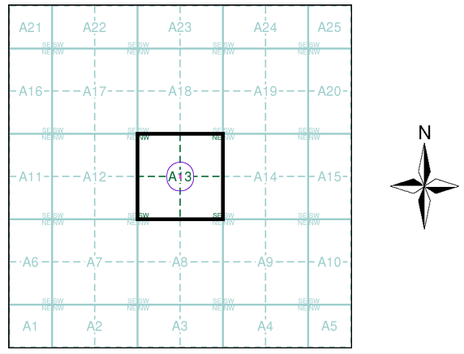
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SJ8494SW 1980 1:1,250	SJ8494SE 1978 1:1,250	SJ8594SW 1980 1:1,250
SJ8493NW 1977 1:1,250	SJ8493NE 1977 1:1,250	SJ8593NW 1958 1:1,250
SJ8493SW 1986 1:1,250	SJ8493SE 1982 1:1,250	SJ8593SW 1984 1:1,250

Historical Map - Segment A13



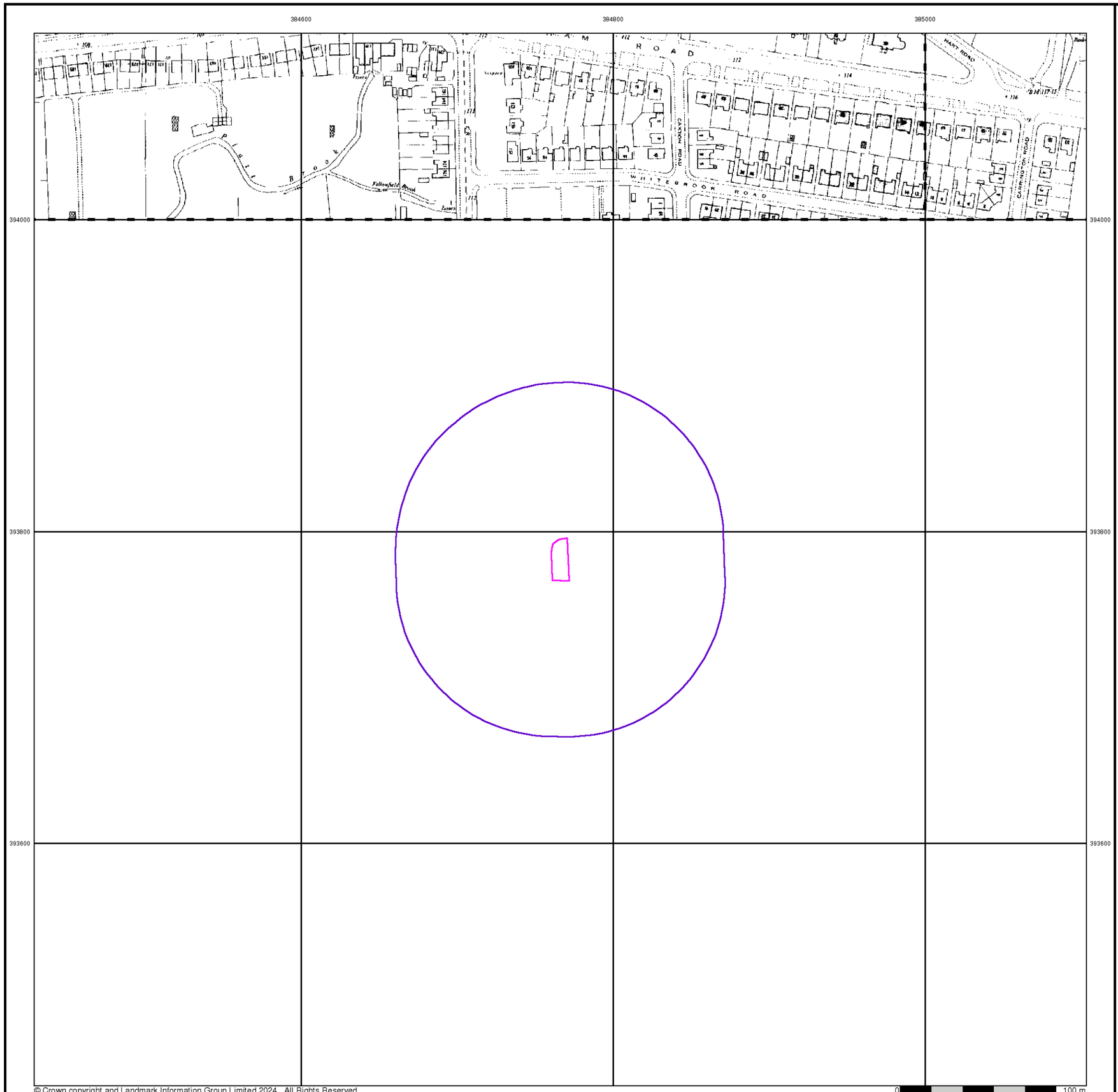
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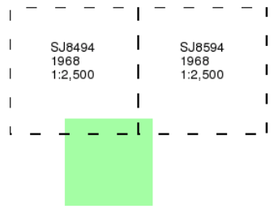
Ordnance Survey Plan

Published 1968

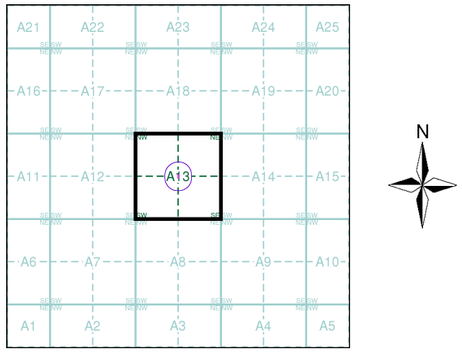
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



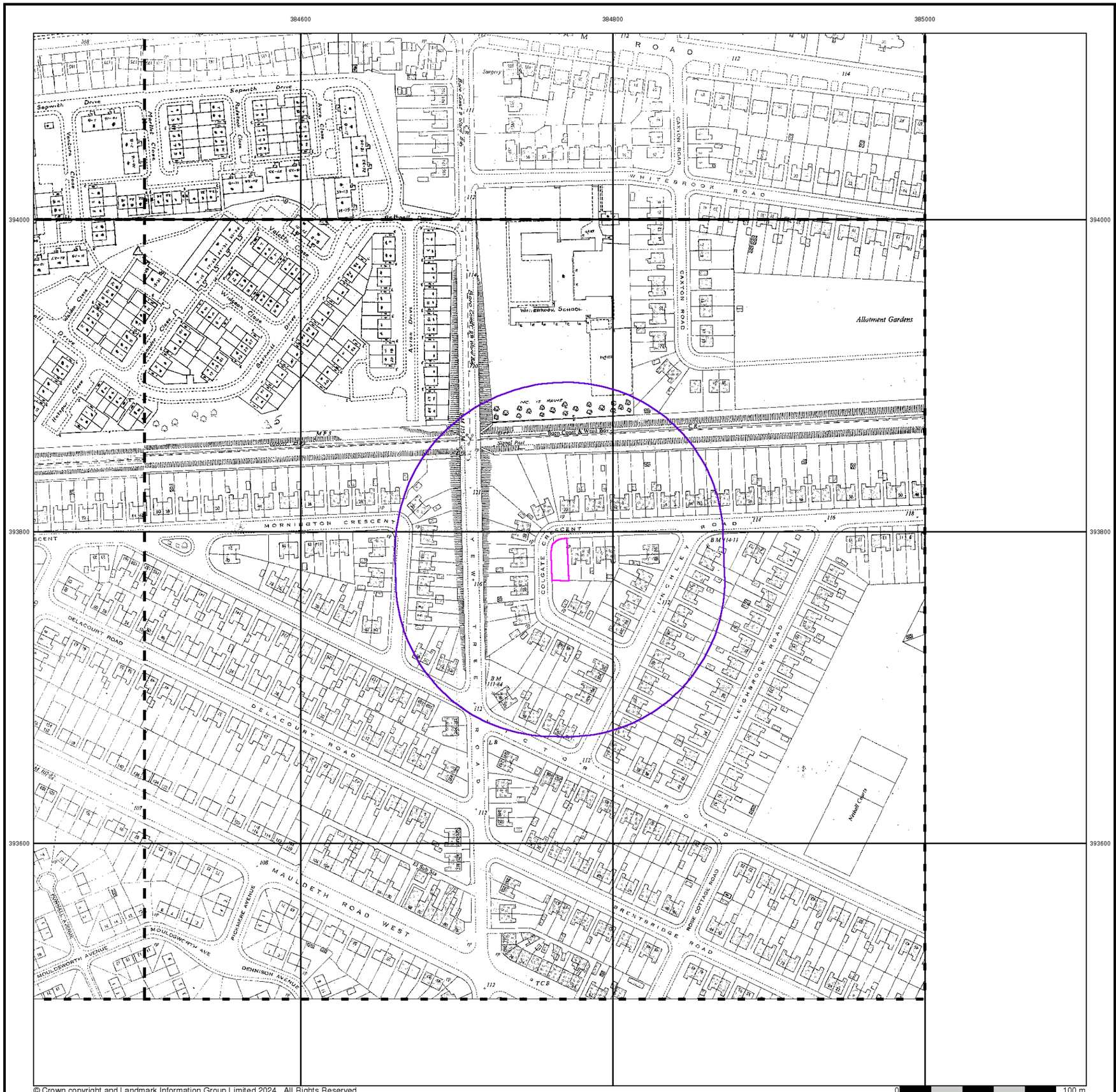
Order Details

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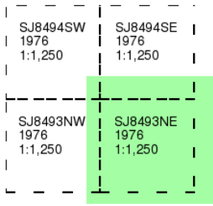
Supply of Unpublished Survey Information

Published 1976

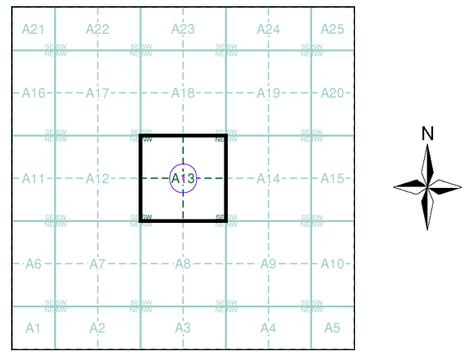
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

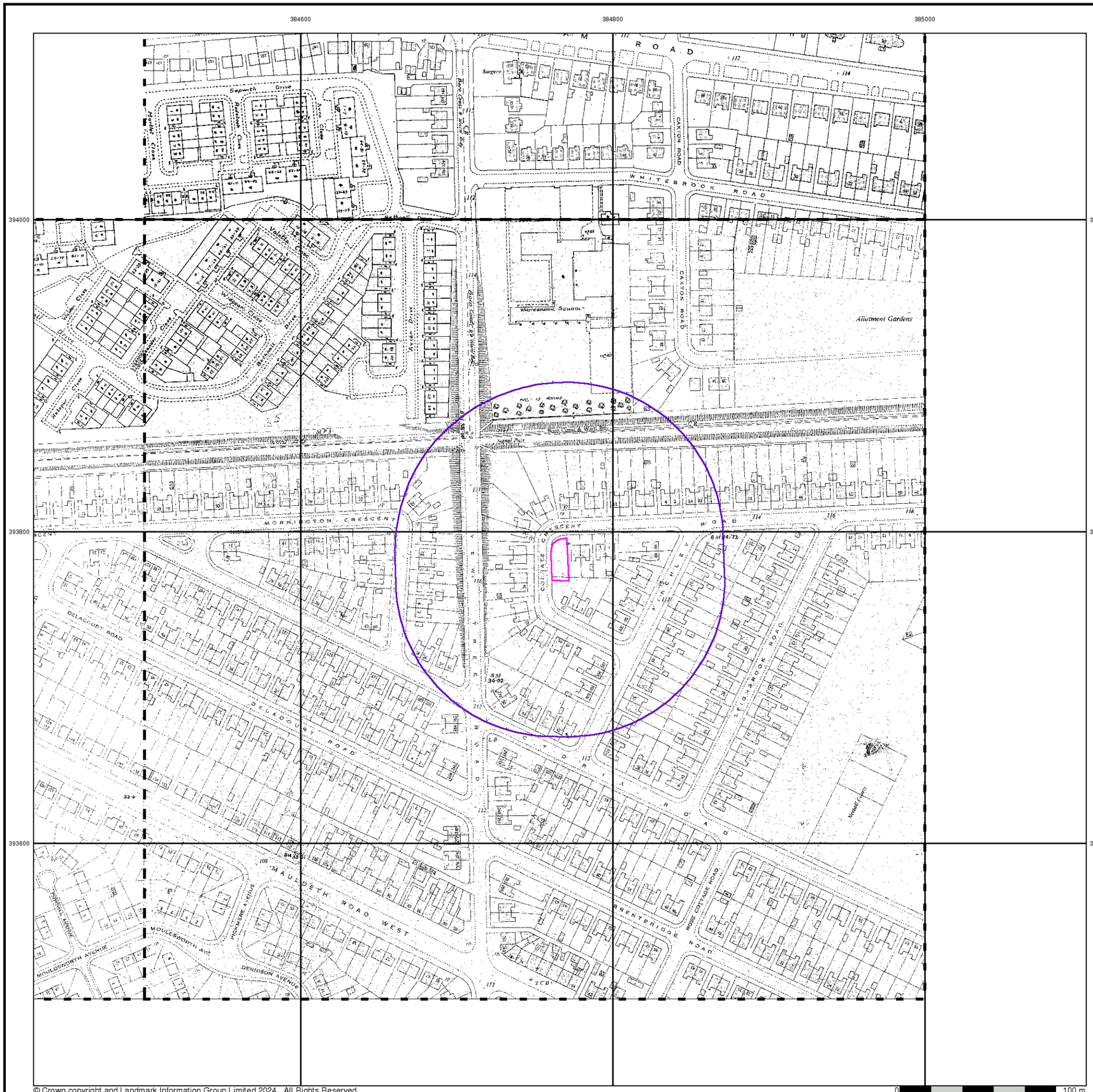
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National Grid Reference:	384770, 393780
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

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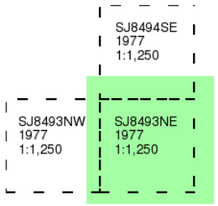
Supply of Unpublished Survey Information

Published 1977

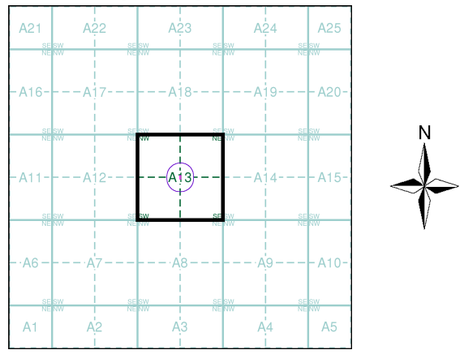
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Customer Ref:	GSI 2245
National Grid Reference:	384770, 393780
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Site Area (Ha):	0.03
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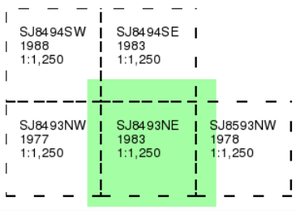
Additional SIMs

Published 1977 - 1988

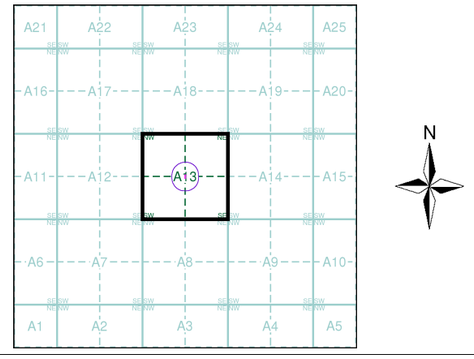
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

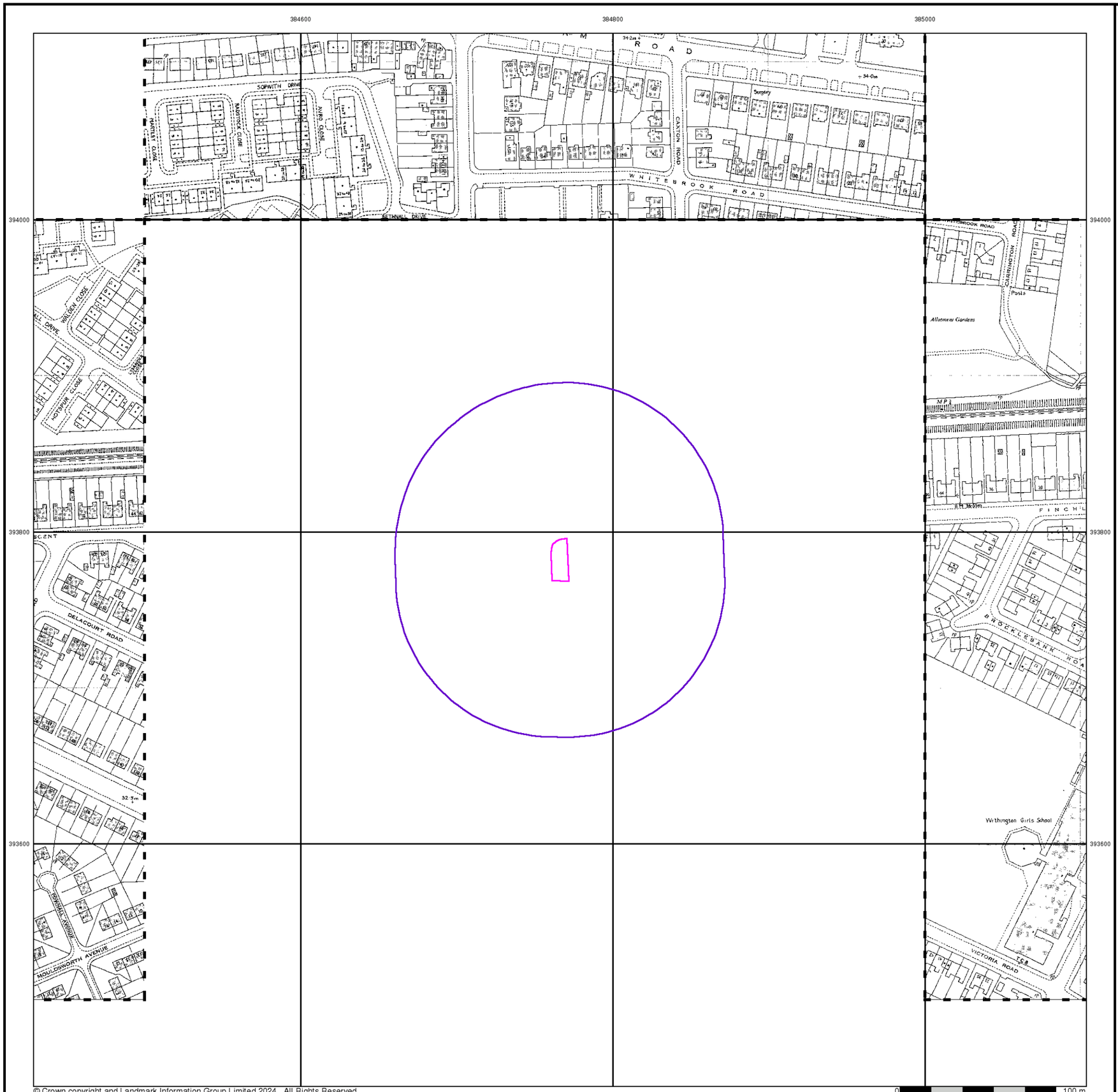
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National Grid Reference:	384770, 393780
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Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

7a Colgate Crescent, MANCHESTER, M14 6FN

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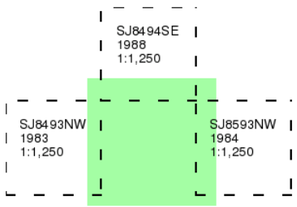
Additional SIMs

Published 1983 - 1988

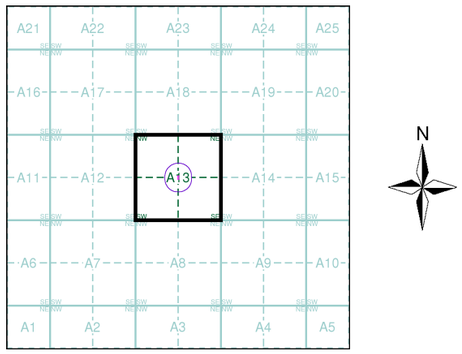
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

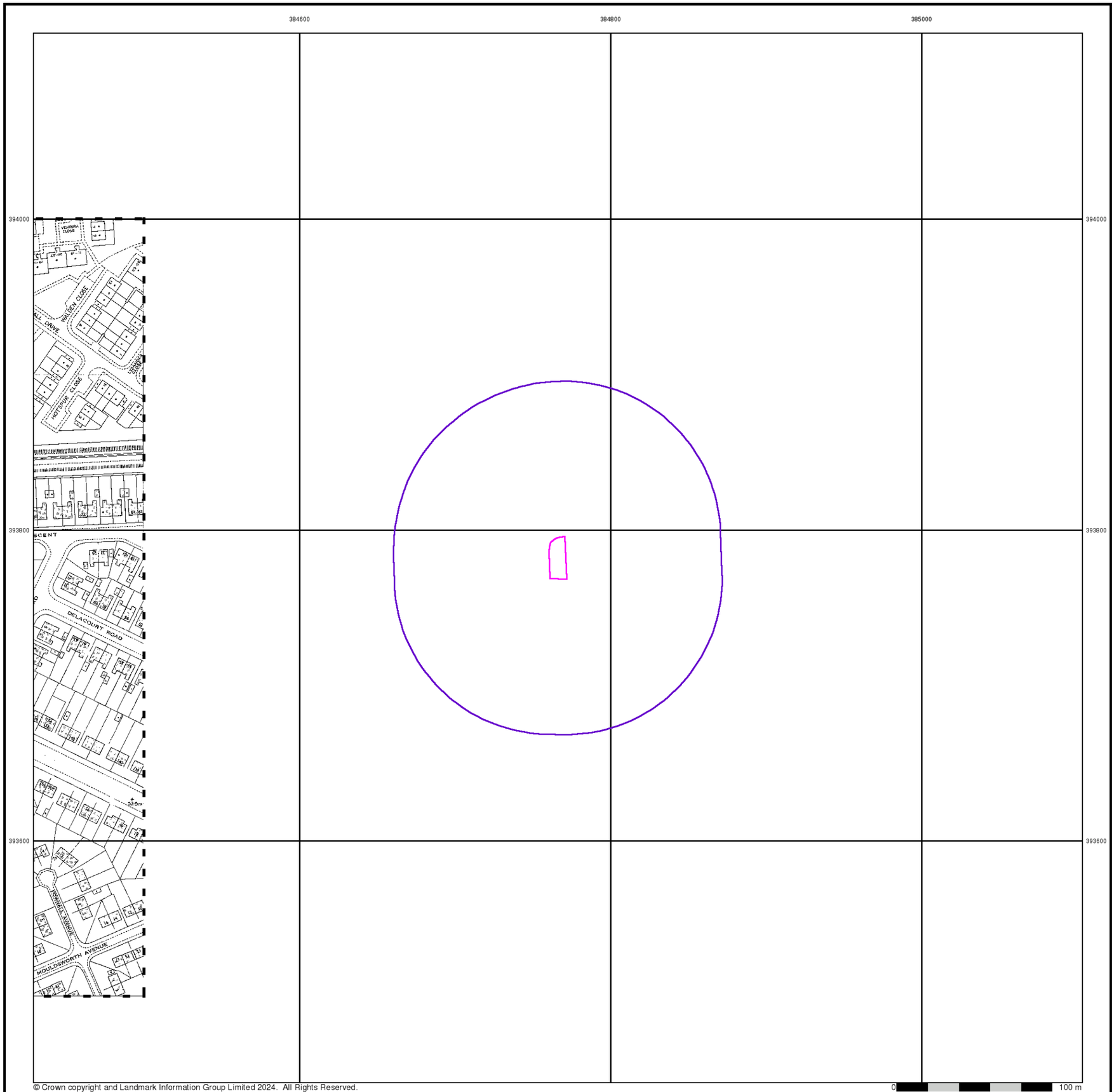
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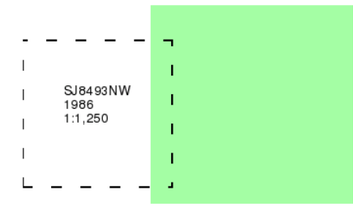
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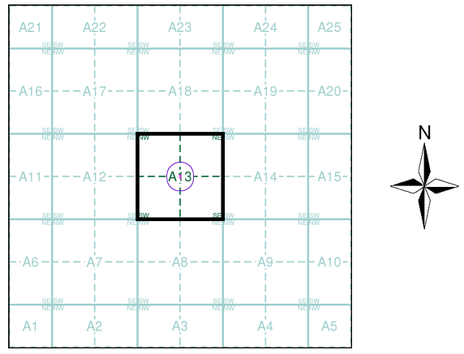
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Historical Map - Segment A13



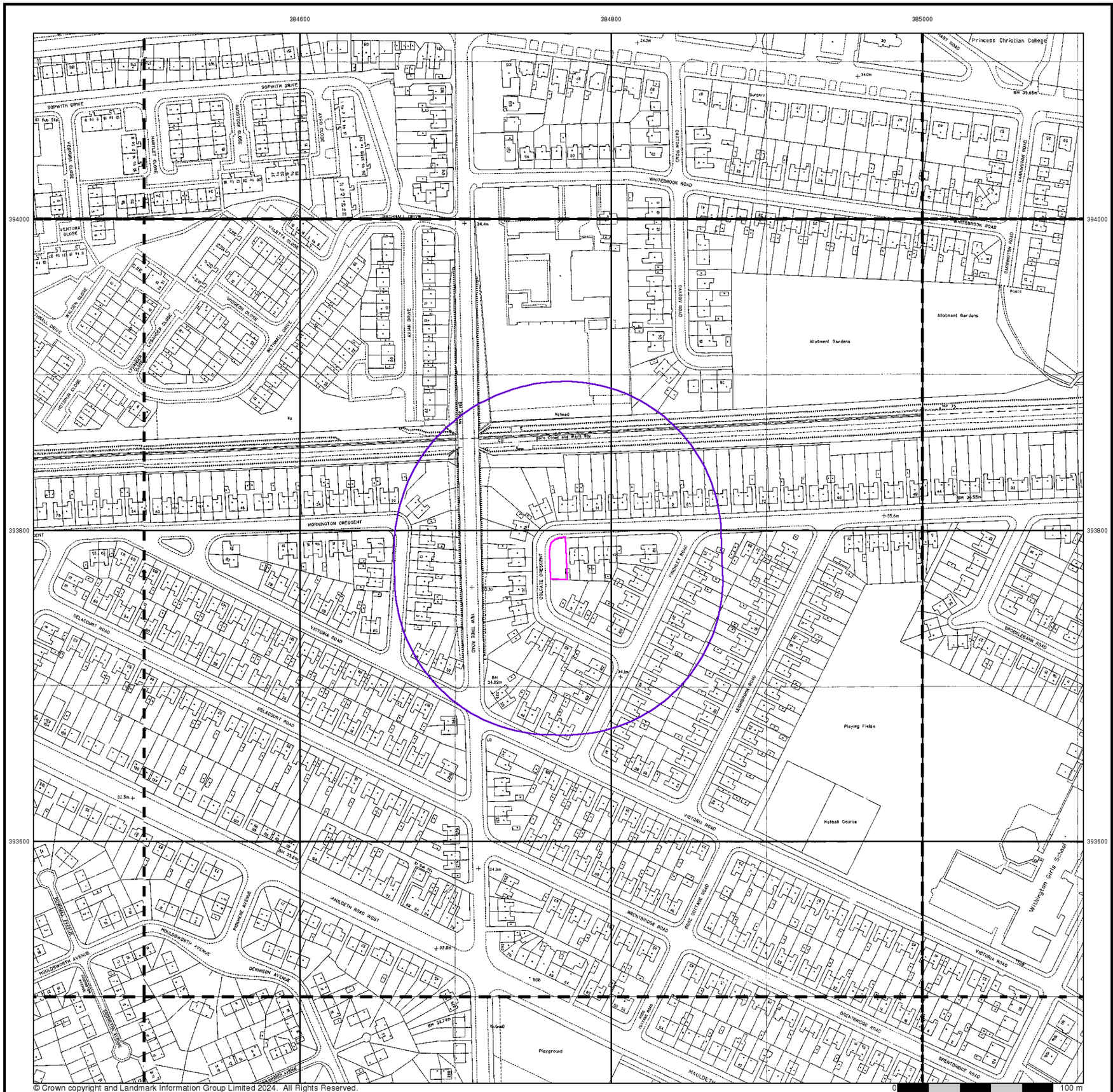
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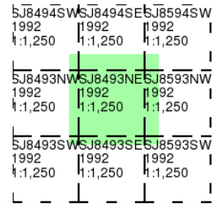
Large-Scale National Grid Data

Published 1992

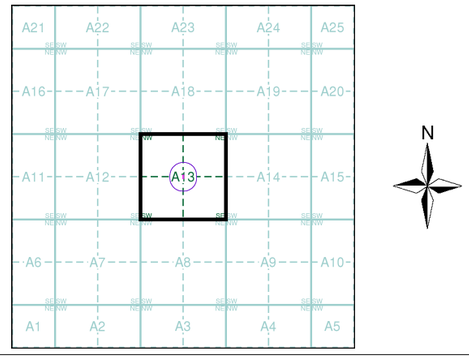
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



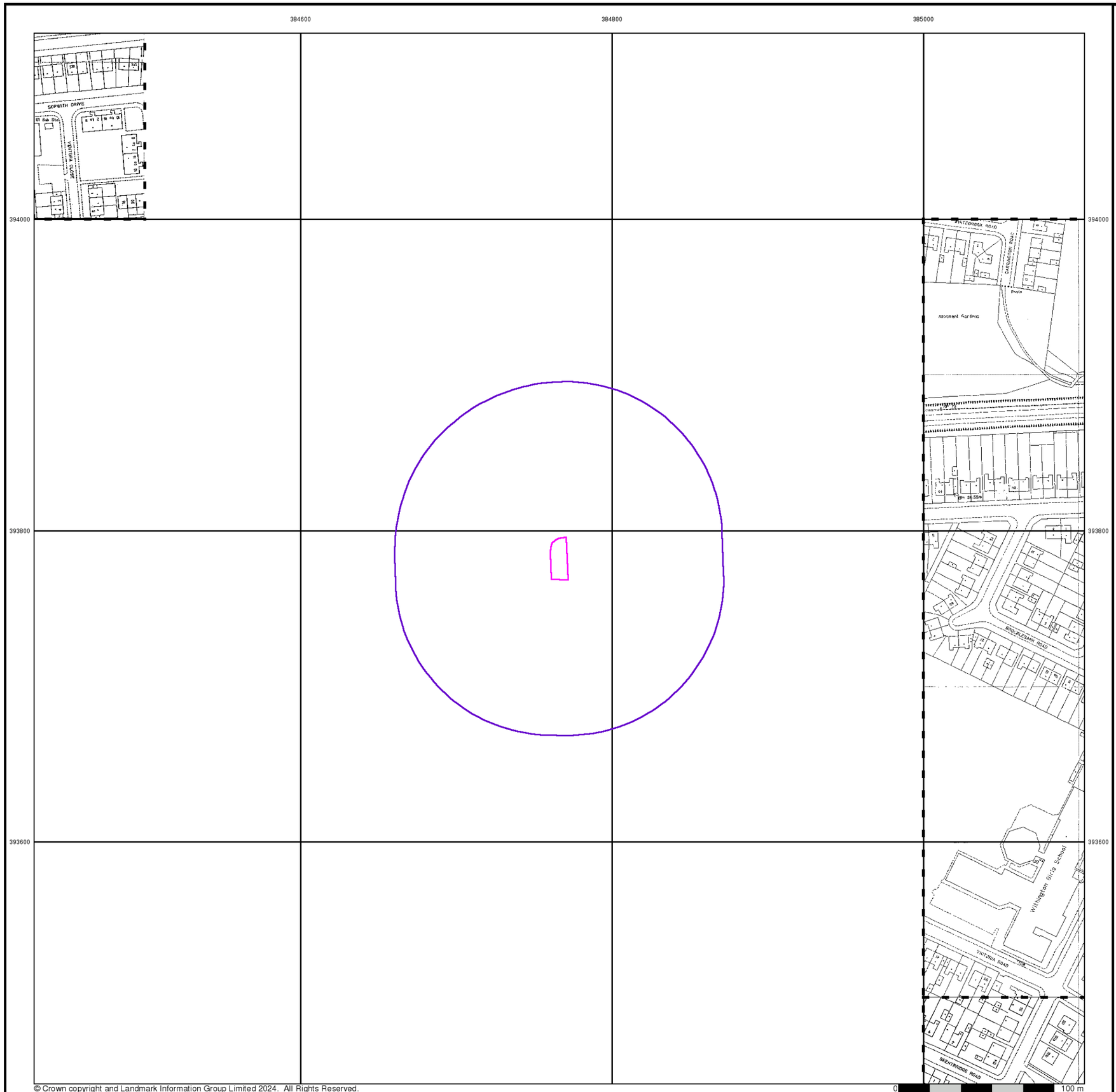
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0 100 m

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Large-Scale National Grid Data

Published 1994 - 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.

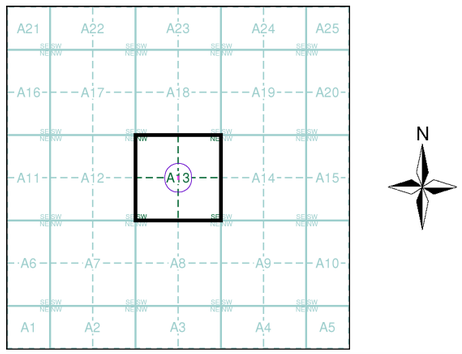
Map Name(s) and Date(s)

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Historical Map - Segment A13



Order Details

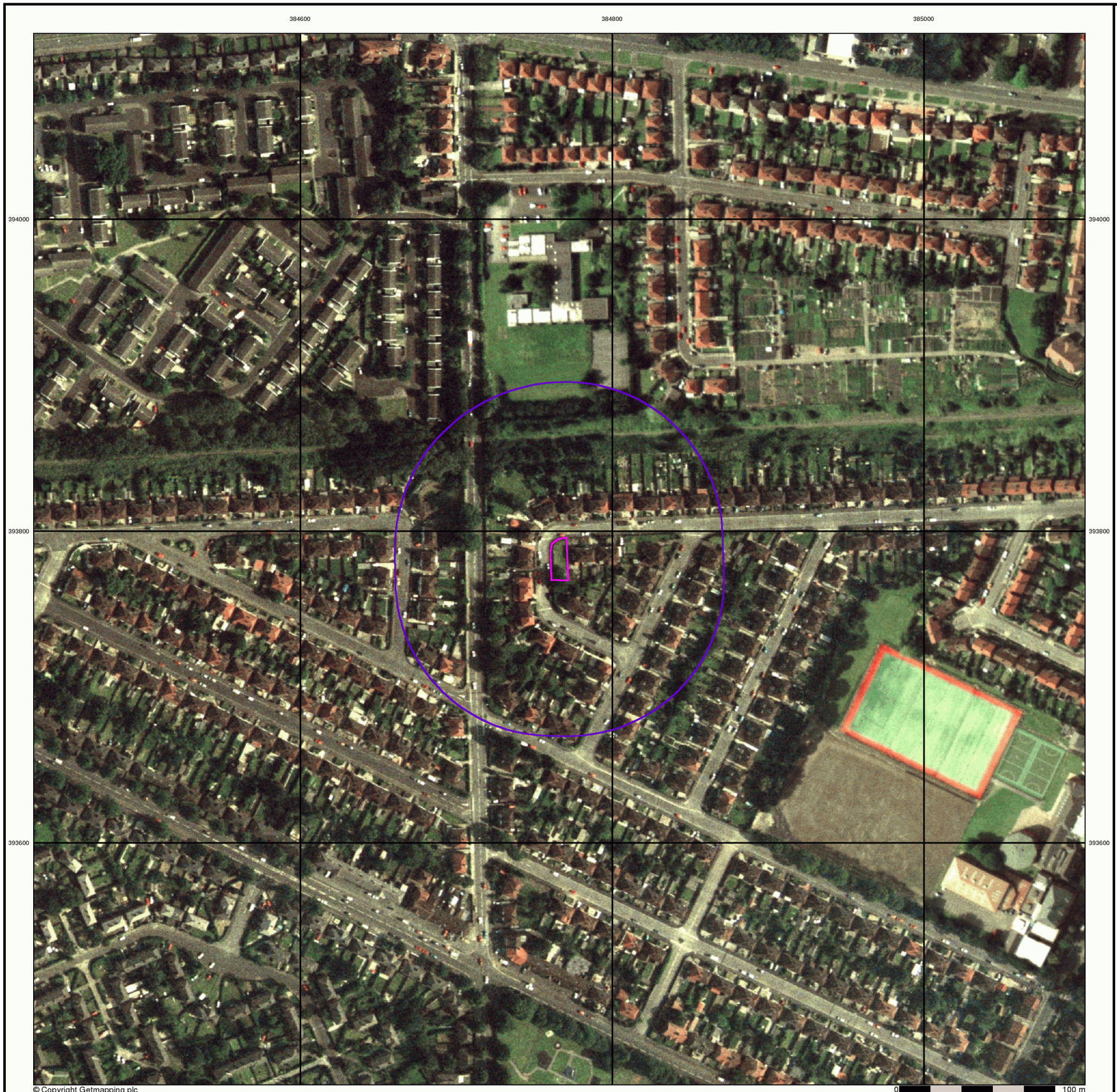
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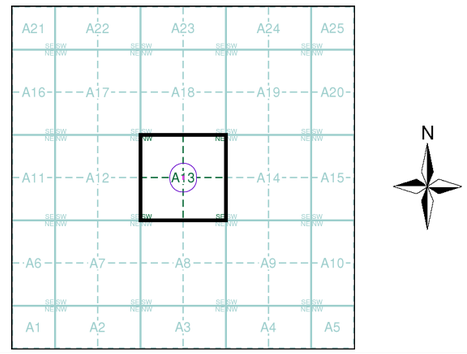
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Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number:	363030306_1_1
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APPENDIX C

RISK ASSESSMENT MATRIX

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

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

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

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

The magnitude of probability (i.e. likelihood).
[takes into account both the presence of the hazard and receptor and the integrity of the pathway]

The magnitude of the potential consequence (i.e. severity).
[takes into account both the potential severity of the hazard and the sensitivity of the receptor]

Classification of Probability

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

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

Classification of Consequence

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

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

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

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

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

Risk Evaluation Matrix

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

Risk Categorizations

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

Reference

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

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