GEOENVIRONMENTAL SITE INVESTIGATION REPORT
PHASE I PRELIMINARY RISK ASSESSMENT
OF LAND OFF
DUKEFIELD STREET
NORTHERNDEN

Prepared for: -

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Table of Contents

1.0 INTRODUCTION 1

1.1 Instruction 1
1.2 Scope of Works 1
1.3 Previous Investigations 1
1.4 Reliance and Limitations 1

2.0 SITE LOCATION AND DESCRIPTION 3

2.1 Site Location 3
2.2 Site Reconnaissance 3
2.3 Site Description 3
2.4 Surrounding Area 3
2.5 Future Site Usage 3

3.0 SITE HISTORY 4

3.1 Site History 4
3.2 Aerial Photography 4

4.0 ENVIRONMENTAL SETTING 6

4.1 General 6
4.2 Published Geology 6
4.3 Mining, Subsidence and Foundations 6
4.4 Potential Contamination Sources 7
4.5 Radon 7
4.6 Hydrogeology 7
4.7 Hydrology 8
4.8 Flooding 8
4.9 Environmentally Sensitive Sites 8

5.0 PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT 9

5.1 Introduction 9
5.2 Risk Assessment Methodology 9
5.3 Outline Conceptual Site Model 9
5.4 Preliminary Risk Assessment 10

6.0 PRELIMINARY GEOTECHNICAL ASSESSMENT 15

6.1 General 15
6.2 Discussion 16

7.0 CONCLUSIONS AND RECOMMENDATIONS 17

7.1 Conclusions 17
7.2 Recommendations 17
7.3 Other Considerations 18

8.0 REFERENCES 19

List of Tables

TABLE 2.1: SITE SURFACE COVERING 3
TABLE 3.1: SITE HISTORY 5
TABLE 4.1: SOURCES OF INFORMATION 6
TABLE 4.2: PUBLISHED GEOLOGY 6
TABLE 4.3: POTENTIAL GEOLOGICAL HAZARDS 7
TABLE 5.1: PRELIMINARY CONCEPTUAL SITE MODEL AND POTENTIAL POLLUTANT LINKAGES 13
TABLE 6.1: POTENTIAL GEOTECHNICAL RISKS 15

APPENDICES

Appendix	Information
A	Drawings
B	Site Photographs
C	Envirocheck Report
D	Risk Assessment Matrix

LIST OF ACRONYMS

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

1.0 INTRODUCTION

1.1 Instruction

1.1.1 GeoCon Site Investigations Ltd (GeoCon) have been commissioned by Fitzgerald Builders Ltd (FB) to undertake a Phase I Preliminary Risk Assessment (PRA) on land at Dukefield Street, Northenden.

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

1.1.3 This report is therefore provided to establish the potential for contamination at the site as a result of current and historic land uses both on site and within influencing distance of the site, to understand the potential type of contamination that may be present, and to identify the anticipated ground conditions and any potential geological and or geotechnical impact on the proposed development.

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

1.2 Scope of Works

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

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

1.3 Previous Investigations

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

1.4 Reliance and Limitations

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

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

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

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

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

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

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

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

2.0 SITE LOCATION AND DESCRIPTION

2.1 Site Location

2.1.1 The site is located at land off Dukefield Street, Northenden, at approximate National Grid Reference NGR: 383140,389960 (centre of the site).

2.1.2 A site location plan is presented as Drawing No. GSI 1382/01 in Appendix A.

2.2 Site Reconnaissance

2.2.1 A site reconnaissance was carried out on the 6th November 2020. All details from the site walkover are included in the site description below.

2.3 Site Description

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

2.3.2 The topography of the site is generally flat.

2.3.3 The site is currently occupied by derelict land that is being used as a storage yard for a building firm. The site is covered by mixed stone hardstanding with stockpiled builder's waste/rubble present across large areas of the site which has become overgrown with grass and shrubs with time. Two shipping containers are present on site.

2.3.4 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)	0
Hardstanding	15
Roadways	0
Buildings	5
Water (ponds, streams)	0
Stockpiles	80

2.3.5 The site is bounded by Dukefield Street to the northeast, and residential properties to the north, southeast, south, and west.

2.3.6 Access to the site is via Dukefield Street from the northeast.

2.3.7 A selection of photographs from the site walkover are presented as GSI 1382/02 in Appendix B.

2.4 Surrounding Area

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

2.4.2 The topography of the surrounding area is generally flat.

2.5 Future Site Usage

2.5.1 It is currently proposed to construct of two new semi-detached two storey residential development at the site.

2.5.2 The proposed development plan as provided by FB drafted by SRM Architects referenced SK200 dated June 2020 is presented in Appendix A.

2.5.3 This proposed development plan has been utilized in the development of the CSM. Any fundamental alterations to this proposal may require a re-assessment of the potential environmental risks.

3.0 SITE HISTORY

3.1 Site History

3.1.1 The history of the site has been determined from available historical maps obtained as part of the Envirocheck Report and via the Envirocheck Analysis online historical mapping tool. The history of the site and of the surrounding area is summarised overleaf in Table 3.1: Site History. It should be noted that some of the maps come with little to no coverage.

3.1.2 The information presented overleaf in Table 3.1: Site History, is given based on the distance and direction from the closest point of each feature to the site. The table presents the data broken down into the following categories: - feature; the potential use of each feature where applicable; the date each particular feature is first observed; the direction of each feature from the site; the approximate distance of each feature from the site; the approximate area of each feature; and any other relevant information regarding the site and surrounding area in general.

3.2 Aerial Photography

2000 Aerial Photo:

3.2.1 The 2000 aerial photo is generally unclear; however, the site is occupied by a small structure in the northern corner, the rest of the site appears to be covered by vegetation. The surrounding area fully developed with residential, and commercial properties.

Recent Aerial Photograph:

3.2.2 Recent aerial photography is generally unclear; however, the site is shown to be occupied in the northern corner by the same small structure as in 2000, while the southern corner of the site is occupied by two shipping containers. The rest of the site appears to be overgrown with vegetation. The surrounding area is within an urban setting and is occupied by mixed residential and commercial properties with associated highway network.

Table 3.1: Site History

Feature	Date first observed	Date no longer shown	Direction from site	Distance (m) from site	Area (m2)	General notes
Rear Garden	1898	Still Present	NE	On Site	N/A	From 1898 site is part of a garden to the rear Royal Green Road. From 1956 site appears to be its own undeveloped parcel of land along Duke Street. The 2000 aerial photo is generally unclear, but shows site occupied by a small structure in northern corner, the rest of the site appears to be covered by vegetation. The 2020 aerial photo is generally unclear, the site is occupied in the northern corner by the same small structure as in 2000, while the southern corner of the site is occupied by two shipping containers. The rest of the site appears to be overgrown with vegetation
Pump	1872	1910	E	48	N/A	N/A
Electricity Substation	1984	Still Present	E	73	40	N/A
Pump	1872	1898	N	96	N/A	N/A
Breakers Yard	1959	1992	N	143	5751	From 1967-1992 noted as a scrap metal yard. From 1992 redeveloped into residential apartments named Boat Lane Court.
Garage	1959	2006	NW	183	2528	From 2006 garage redeveloped into residential properties.
Pond	1872	1910	W	206	116	N/A
Pump	1872	1910	NW	209	N/A	N/A
Steam Laundry	1910	Still Present	W	218	600	N/A
Site and surrounding area in general	1872: Site appears to be undeveloped agricultural land (potentially wooded). Surrounding land use to the north is developed with residential properties. 1898: Site is developed as part of a larger residential garden. The property is located along the Royal Green Road. 1934: Duke Street is shown the east of the site. 1956: Site appears to be its own plot of land located off Duke Street, no longer associated with the rear gardens of the properties to the north. 1961: Surrounding land use is fully developed with residential properties in all directions. 2000 aerial photo: Site is occupied by a small structure in northern corner, the rest of the site appears to be covered by vegetation. 2020 aerial photo: Site is occupied in the northern corner by the same small structure as in 2000, while the southern corner of the site is occupied by two shipping containers. The rest of the site appears to be overgrown with vegetation					

4.0 ENVIRONMENTAL SETTING

4.1 General

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

Table 4.1: Sources of Information

Source	Information
Landmark	Envirocheck Report Geology Report
British Geological Survey (BGS)	The BGS Geological Map Sheet 098 Stockport combined solid & drift edition BGS Open Geoscience online geological mapping tool
Ordnance Survey	OS Open Data online mapping tool
Coal Authority	Online Gazetteer of England and Wales
Environment Agency (EA) Online	Water Quality Data and Aquifer designation

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

4.2 Published Geology

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

Table 4.2: Published Geology

Geology	Description /strata
Artificial	None recorded
Superficial	Glaciofluvial Sheet Deposits
Bedrock	Tarporley Siltstone Formation

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

4.2.3 The superficial geology recorded underlying the site is shown to be the Glaciofluvial Sheet Deposits which is generally described as *'Sand and gravel, locally with lenses of silt, clay or organic material; characteristic 'sandur' (sheet) and valley train form; of glaciofluvial origin'* (BGS general description).

4.2.4 The bedrock geology beneath the site is shown to be the Tarporley Siltstone Formation which is generally described as *'Heterolithic, comprising interlaminated and interbedded siltstones, mudstones and sandstones in approximately equal proportions. The siltstones are micaceous and interlaminated with mudstones or sandstones; most of the mudstones appear structureless with a blocky habit. The sandstones are mostly very fine- to fine-grained, well sorted, and micaceous'* (BGS general description).

4.3 Mining, Subsidence and Foundations

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

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

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

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

Table 4.3: Potential Geological Hazards

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

4.4 Potential Contamination Sources

4.4.1 The following potential sources of contamination have been identified.

Fuel Storage

4.4.2 There are two fuel stations within 500m of the site, the nearest of which is located approximately 409m to the south of the site.

Potentially Contaminative Uses

4.4.3 There are nineteen contemporary trade directories within 250m of the site. The closest to the site is located approximately 40m to the southeast for furniture reproduction. Remaining pertinent entries include: pest & vermin control, domestic appliances servicing/repairs/parts, washing machine servicing/repairs, hardware, cleaning services domestic, dry cleaners, garage services, metal products fabricated, car dealers, jewellery manufacturers/repairers, road haulage services, and carpet/curtain/upholstery cleaners.

Hazardous Substances

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

Landfills and Waste

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

4.4.6 It should be noted that the listings above may represent the same landfill site that has been registered in more than one category.

4.4.7 Information provided by Landmark indicates that there are no areas within 250m of the site where the potential for infilling is possible.

4.4.8 There is one area identified on the historical maps within 250m of the site where the potential for infilling is possible which includes a former pond, that are no longer shown on more recent maps indicating that they may have been infilled within unknown materials.

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

4.5 Radon

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

4.6 Hydrogeology

Superficial Deposits

4.6.1 The Environment Agency aquifer classification scheme indicates that the superficial aquifer designation for the site is classed as Secondary A aquifer which are generally described as *'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an*

important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers' (EA general description).

Bedrock

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

Groundwater Abstractions

4.6.3 There are two licenced groundwater abstraction points within 1000m of the site. The nearest to the site is located approximately 886m to the south for cooling. There are a further two licensed groundwater abstraction points between 1000 and 2000m of the site for spray irrigation, and commercial laundry use.

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

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

4.6.6 There are no Source Protection Zones (SPZ) within 2000m of the site.

4.7 Hydrology

4.7.1 The nearest surface watercourse to the site is River Mersey located approximately 246m to the northeast.

4.7.2 The nearest EA General Quality Assessment (GQA) data available within relevant distance to the site is for a sampling point located approximately 246m to the northeast of the site and gives a Grade of D for the River Mersey.

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

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

Surface Water Abstractions

4.7.5 There are no licensed surface water abstraction points within 1000m of the site. The nearest to the site is located approximately 1162m to the northwest for construction general washing and processing

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

4.8 Flooding

4.8.1 Envirocheck indicates that the site is not located within an area at risk of flooding or within 250m of an area at risk of flooding from rivers or sea.

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

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

4.9 Environmentally Sensitive Sites

4.9.1 There is one environmentally sensitivity site recorded with 250m of the site, located approximately 167m to the northeast of the site, for an area of adopted green belt.

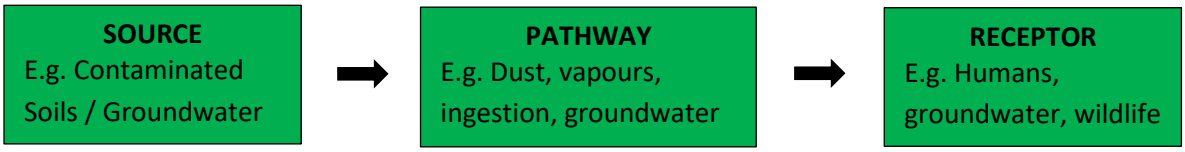
5.0 PRELIMINARY ENVIRONMENTAL RISK ASSESSMENT

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 D.

5.4.2 The proposed development comprises two new semi-detached two storey residential development at the site.

5.4.3 The underlying geology of the site and surrounding area is indicated to be Glaciofluvial Sheet Deposits overlying Tarporley Siltstone Formation which are of low to medium permeability respectively.

5.4.4 The following risk assessment has been based on the above information and the proposed development plan as detailed in Section 2.0.

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

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

Land Contamination

5.4.7 From the information available, the site itself has had limited historical use. It is therefore possible that Made Ground will be present beneath the site associated with past construction and demolition on site

and the surrounding neighbourhood, and site generated processes, however it is not expected to be present in any significant thickness. Therefore, the likelihood for heavy metals, metalloids and inorganics to be present on or beneath the site is considered to be low.

5.4.8 Historical and contemporary land uses both on the site and within influencing distance likely to produce mobile, organic and leachable contamination include: - pumps, steam laundry, furniture reproduction, pest & vermin control, domestic appliances servicing/repairs/parts, washing machine servicing/repairs, hardware, cleaning services domestic, dry cleaners, garage services, metal products fabricated, car dealers, jewellery manufacturers/repairers, road haulage services, and carpet/curtain/upholstery cleaners. Considering the distances between the features and the site, and the generally impermeable geology beneath the site, the potential for mobile, organic and leachable contamination to be present at the site is considered to be unlikely.

5.4.9 Historical and contemporary land uses both on the site and within influencing distance likely to produce volatile contamination (VOC's & SVOC's) include: - pumps, steam laundry, furniture reproduction, pest & vermin control, domestic appliances servicing/repairs/parts, washing machine servicing/repairs, hardware, cleaning services domestic, dry cleaners, garage services, metal products fabricated, car dealers, jewellery manufacturers/repairers, road haulage services, and carpet/curtain/upholstery cleaners. Considering the distances between the features and the site, and the generally impermeable geology beneath the site, the potential for VOC's & SVOC's to be present at the site is considered to be unlikely.

5.4.10 There is one electric substation within influencing distance of the site which may be a source of Polychlorinated Biphenyls contamination (PCB's). Further details are given below. The substation is located approximately 73m to the east, first observed on the 1984 map.

5.4.11 This predates the 1981 ban on PCB's. Therefore, considering the distances between the features and the site, and the generally impermeable geology beneath the site, the potential for PCB contamination at the site is considered to be unlikely.

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

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

5.4.14 Therefore, based on the above, the site history, and the environmental information available, the potential contaminants identified on this site may include heavy metals, metalloids and inorganics, and asbestos.

Hazardous Ground Gasses

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

5.4.16 There is one area identified on the historical maps within 250m of the site where the potential for infilling is possible which includes a former pond, that are no longer shown on more recent maps indicating that they may have been infilled within unknown materials.

5.4.17 Therefore, the likelihood of hazardous gases being present beneath the site is considered to be unlikely to low.

5.4.18 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.

Plants and Native Grasses

5.4.19 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.

5.4.20 All plant growth appeared normal across the site during the site reconnaissance.

Groundwater

5.4.21 The aquifer designation beneath the site are a Secondary A Aquifer (superficial deposits) and Secondary B aquifer (bedrock deposits).

5.4.22 There are two licenced groundwater abstraction points within 1000m of the site. The nearest to the site is located approximately 886m to the south for cooling.

5.4.23 here are no public drinking water abstractions within 2000m of the site. It is possible that there may be private unlicensed water abstractions that exist locally in the area. There are no Source Protection Zones (SPZ) within 2000m of the site.

5.4.24 Based on the above, the underlying geology, and the lack proximity of the nearest potable groundwater abstraction points, the low potential for contamination at the site to impact the groundwater, the risk to groundwater is considered to be unlikely.

Surface Water

5.4.25 The nearest surface watercourse to the site is River Mersey located approximately 246m to the northeast, with an EA GQA grade D.

5.4.26 There are no discharge consents within 250m of the site. There are no pollution incidents to controlled waters within 250m of the site.

5.4.27 There are no licensed surface water abstraction points within 1000m of the site. The nearest to the site is located approximately 1162m to the northwest for construction general washing and processing. It is possible that there may be private unlicensed water abstractions that exist locally in the area.

5.4.28 Based on the above, the underlying geology, and the proximity of the nearest surface water feature, the potential for contamination at the site to impact surface waters is considered to be unlikely.

Flooding

5.4.29 Envirocheck indicates that the site is not located within an area at risk of flooding or within 250m of an area at risk of flooding from rivers or sea.

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

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

Water Supply / Plastic Pipes

5.4.32 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

5.4.33 From the above information a Preliminary Conceptual Site Model (CSM) has been produced showing the preliminary conceptual model and potential pollutant linkages for the site and is presented overleaf in Table 5.1: Preliminary Conceptual Site Model and Potential Pollutant Linkages.

Table 5.1: Preliminary Conceptual Site Model and Potential Pollutant Linkages

Potential Sources	Contaminants of Concern	Potential Pathway	Potential Receptor	Pollutant Linkage	Probability	Consequence	Risk Classification	Action / Mitigation
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, neighbouring residents and constructions workers	Considered potentially active	Low	Medium	**Moderate to low**	Site investigation to confirm presence, type and extent of any contamination beneath the site.
Made Ground on site Current and former land uses on site	Heavy metals, sulphates and inorganics PAH's	Lateral and vertical migration and leaching of contaminants into surface water bodies via permeable strata and features.	Local **water courses** and associated flora and fauna	Considered inactive	-	-	**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 on site Current and former land uses on site	Heavy metals, sulphates and inorganics PAH's	Lateral and vertical migration and leaching of contaminants into local groundwater	**Underlying Aquifer** (Drinking water)	Considered inactive	-	-	**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 inactive	-	-	**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)	Hazardous ground gases including CO_2, CH_4 CO, H_2S Vapours	Inhalation	**Human health** animals and plants: Including current site users, future site users,	Considered potentially active	Unlikely to low	Severe	**Moderate to low**	Site investigation to install gas monitoring wells with subsequent monitoring in accordance with CIRIA 665 is carried out at the site.

Potential Sources	Contaminants of Concern	Potential Pathway	Potential Receptor	Pollutant Linkage	Probability	Consequence	Risk Classification	Action / Mitigation
Made Ground Natural organic soils Coal mining (on and off-site sources)			neighbouring residents and constructions workers					
Landfill sites Potentially infilled Land (ponds, quarries, reservoirs etc) Made Ground Natural organic soils Coal mining (on and off-site sources)	Hazardous ground gases including CO_2, CH_4 CO, H_2S Vapours	Explosion	**Buildings**	Considered potentially active	Unlikely to low	Severe	**Moderate to low**	Site investigation to install gas monitoring wells with subsequent monitoring in accordance with CIRIA 665 is carried out at the site.

6.0 PRELIMINARY GEOTECHNICAL ASSESSMENT

6.1 General

6.1.1 The underlying shallow geology is likely to consist of Glaciofluvial Sheet Deposits overlying Tarporley Siltstone Formation which generally comprise cohesive/granular deposits, and siltstone respectively.

6.1.2 Made Ground may also be present on site.

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

Table 6.1: Potential Geotechnical Risks

Existing or Potential 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.	Negligible but 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.	Unlikely
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.	Unlikely
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.	Unlikely
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.	Unlikely
Aggressive ground	Chemical content of the soils beneath the site.	Chemically aggressive ground may have the potential to attack buried concrete.	Unlikely
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	Unstable slopes and embankments.	Collapse onto or into any new developments	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. Non coal related mining.	Worked mine seams or areas of mineral extraction leave voids underground that have the potential to settle when new loads are placed above them.	Unlikely

Existing or Potential Features of Concern	Geotechnical Consideration	Geotechnical Risk to Proposed Development	Likelihood
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.	Unlikely
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.	Unlikely

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 sustainable drainage would be suitable at the site, however the presence and thickness (if present) of Made Ground at the site may result in sustainable drainage not being practical or feasible. 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 sites 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 **moderate to low** risk of being affected by contamination in soils and / or groundwater beneath this site.

7.1.2 Risks to neighbouring residents from the site are considered to be **low** at this stage.

7.1.3 Risks to construction workers from the site are considered to be **moderate** at this stage.

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

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

7.1.6 The risks to surface waters are considered to be **very low** at this stage.

7.1.7 The risks to drinking water and groundwater 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 Based on the indicative ground conditions encountered it is unlikely that sustainable drainage would be suitable at the site, however the presence and thickness (if present) of Made Ground at the site may result in sustainable drainage not being practical or feasible.

7.2 Recommendations

7.2.1 It is recommended that a suitable combined phase II environmental and geotechnical site investigation is carried out at the site to establish the presence of any contamination at the site, 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 A recommended scope of works for the intrusive site investigation would be as follows:

- Windowless sample boreholes across the site to a nominal depth of up to 5.00mbgl or refusal to facilitate environmental and geotechnical sampling; and to facilitate the installation of gas and groundwater monitoring wells.
- Full supervision of all works by engineering geologist including sampling and detailed geotechnical descriptions to BS5930, EN ISO 14688-1 EN ISO 14688-2 and EN ISO 14689 of all strata types encountered within the exploratory holes.
- The installation of three gas monitoring standpipes.
- Subsequent gas monitoring in accordance with CIRIA 665 on four occasions over a two month period.

- A suitable suite of chemical testing, for determinants identified within the Preliminary Conceptual Model.
- A suitable suite of geotechnical testing.
- Provision of interpretative report to undertake a Generic Quantitative Risk Assessment (GQRA) and to provide details of the engineering properties of the underlying soils and rocks encountered with subsequent recommendations on suitable foundation solutions.

7.2.3 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 Any subsequent Phase II Site Investigation would be primarily concerned with human health risk assessment.

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

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

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APPENDIX A

DRAWINGS

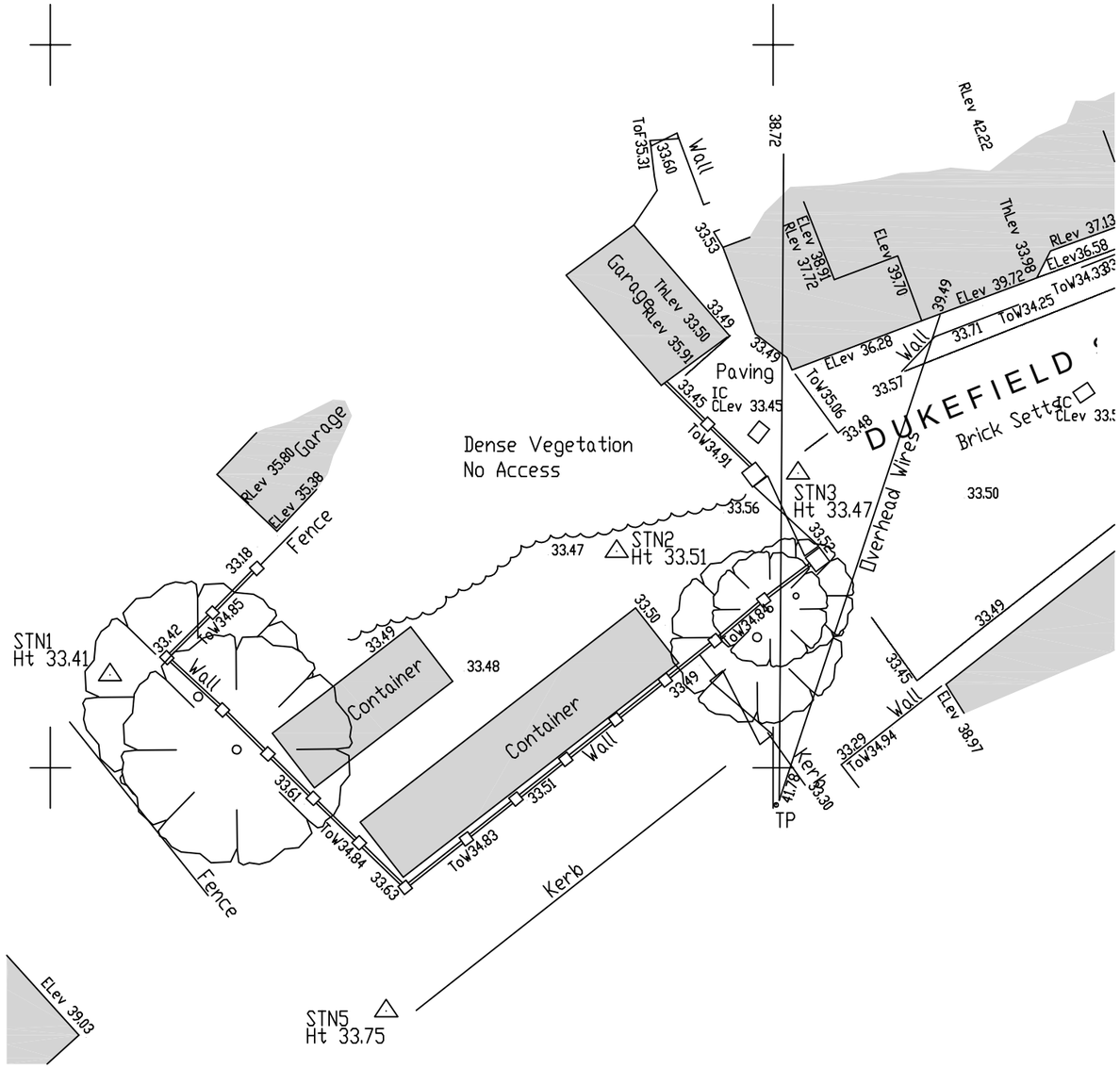


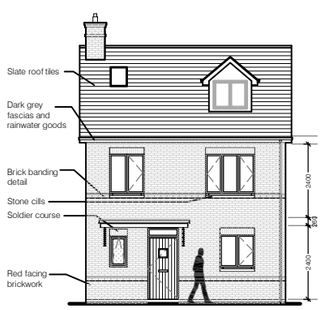
GeoCon Site Investigations Ltd
Suite 2 Marple House,
39 Stockport Road,
Marple,
Stockport,
SK6 6BD.
Tel: 0844 504 3901, Fax: 0844 504 3902,
Email: info@geoconsiteinvestigations.com
Web: www.geoconsiteinvestigations.com

N

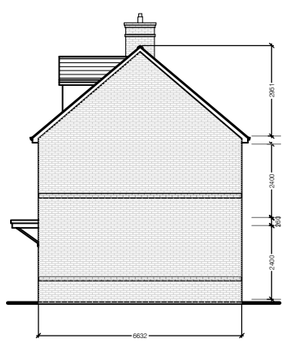
SITE NAME/CONTRACT	DRAWING NO.	SCALE
Dukefield Street, Northenden	GSI 1382/01	N.T.S
TITLE	**DATE**	**DRAWN BY**
Site Location Plan	November 2020	JL



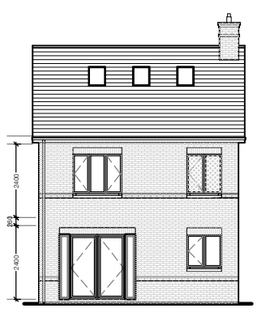




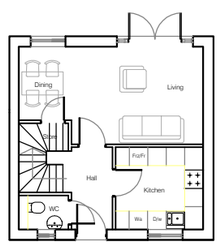
Front Elevation



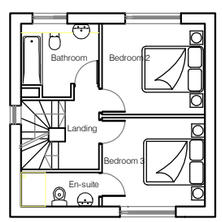
Side Elevation



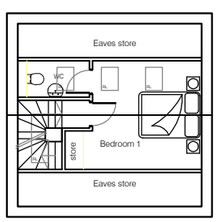
Rear Elevation



Ground Floor
35.8m2 G.I.A (385 sq ft)
SCALE 1:50



First Floor
35.8m2 G.I.A (385 sq ft)



Second Floor
21.2m2 G.I.A (228 sq ft)

Simon R Miles
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Revision Date Revision note

Notes

PRELIMINARY FOR CLIENT DISCUSSION:
LAYOUT NEEDS REVIEW WITH PLANNING AUTHORITY, STATUTORY SERVICES PROVIDERS AND LEGAL REPS TO ASCERTAIN COMPLIANCE/ FEASIBILITY/ VIABILITY

Project :
Dukefield Street development site

Title :
Site plan with topographical data

Drawing number : Issue :
SK200

Client :
Mr M Fitzgerald

Scale :
1:100 or as noted @ A1

Date :
25.06.20

CAD Ref :
SK100

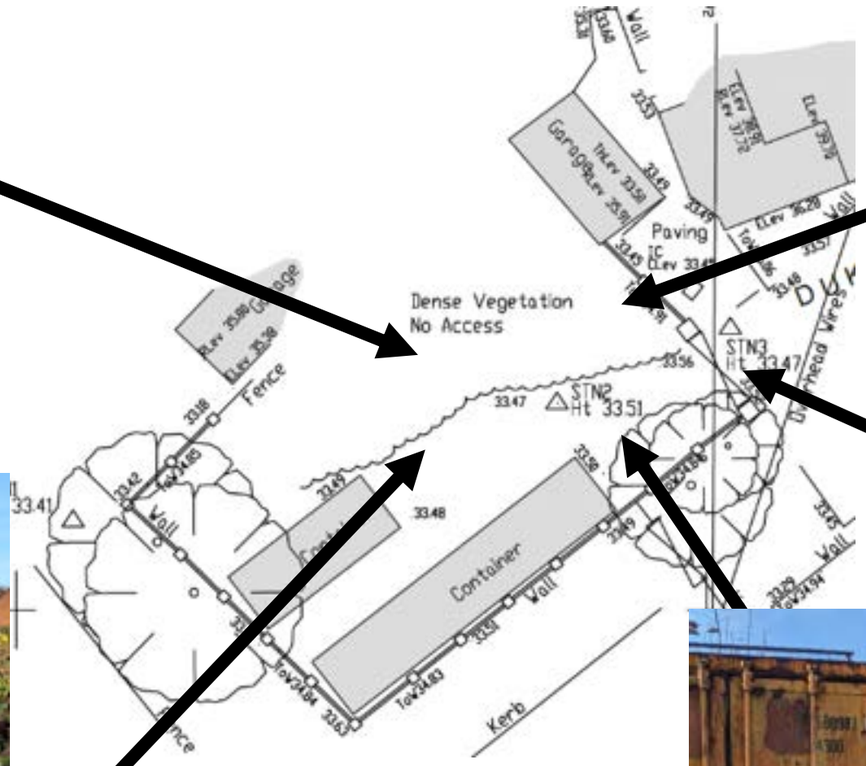
Drawn by :
SRM

SRM
Simon R Miles BA Hons Dip Arch RIBA
Chartered Architect

APPENDIX B

SITE PHOTOGRAPHS













GEOCON	GeoCon Site Investigations Ltd Suite 2 Marple House, 39 Stockport Road, Marple, Stockport, SK6 6BD. Tel: 0844 504 3901, Fax: 0844 504 3902, Email: info@geoconsiteinvestigations.com Web: www.geoconsiteinvestigations.com	**SITE NAME/CONTRACT** Dukefield Street, Northenden	**JOB NUMBER** GSI 1382	**SCALE** N.T.S
		TITLE Site Walkover Photographic Record Sheet	**DATE** November 2020	**DRAWN BY** JL

APPENDIX C

ENVIROCHECK REPORT

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
265732162_1_1

Customer Reference:
GSI 1382

National Grid Reference:
383140, 389960

Slice:
A

Site Area (Ha):
0.03

Search Buffer (m):
1000

Site Details:

Dukefield Street
Manchester
M22 4NG

Client Details:

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

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	20
Hazardous Substances	-
Geological	22
Industrial Land Use	26
Sensitive Land Use	45
Data Currency	46
Data Suppliers	52
Useful Contacts	53

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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Information supplied from a joint dataset compiled by The British Geological Survey and Public Health England.

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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 2				4
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control	pg 3			2	2
Local Authority Integrated Pollution Prevention And Control	pg 3				1
Local Authority Pollution Prevention and Controls	pg 3		1	5	8
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5			Yes	
Pollution Incidents to Controlled Waters	pg 6			1	13
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 8				1
River Quality	pg 8		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 8				1
Water Abstractions	pg 8				2 (*5)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 10	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 10	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 10		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 10		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 11			10	63

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 20				1
Historical Landfill Sites	pg 20				3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 20				1
Local Authority Landfill Coverage	pg 20	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 21			2	10
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 21				1
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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 22	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 22	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 24				1
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards				n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 26		19	36	66
Fuel Station Entries	pg 36			2	1
Points of Interest - Commercial Services	pg 37		5	13	36
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 41			1	8
Points of Interest - Public Infrastructure	pg 42			15	2
Points of Interest - Recreational and Environmental	pg 44			1	
Gas Pipelines					
Underground Electrical Cables					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 45		1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 45				2
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 (E)	49	1	383200 389957
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	62	1	383200 390000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	132	1	383150 390100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	146	1	383250 389850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	204	1	383300 390100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	239	1	383300 390150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	249	1	383400 389957
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	274	1	383350 390150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	312	1	383450 390050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	336	1	383200 390300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	345	1	383400 390200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	354	1	383450 390150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	375	1	383500 390100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	419	1	383400 390300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	444	1	383250 390400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	449	1	383600 389957
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	450	1	383600 390000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	493	1	383250 390450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Balvac Limited Property Type: GROUNDWATER REMEDIATION SITES/CIVIL ENGINEERING Location: M60 Palatine Road Balvac Site Compound, Access Via Withington Golf Club, Palatine Road, Manchester, M20 2ue Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: Eprnb3990we Permit Version: 1 Effective Date: 27th February 2020 Issued Date: 27th February 2020 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge Environment: Freshwater Stream/River Receiving Water: River Mersey **Status: New issued under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A18SE (N)	506	2	383217 390469
2	**Discharge Consents** Operator: Didsbury Golf Club Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Didsbury Golf Club, Ford Lane, Northenden, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016992561 Permit Version: 1 Effective Date: 28th April 1993 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Mersey **Status: Post National Rivers Authority Legislation where issue date > 31/08/1989** Positional Accuracy: Located by supplier to within 100m	A14NW (E)	686	2	383790 390210
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Manhole 10 E.Interceptor, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016942049 Permit Version: 2 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 30th March 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Mersey **Status: Consent revoked or revised: New Consent issued (Section 37(1))** Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	988	2	382400 390620
3	**Discharge Consents** Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Manhole 10 E.Interceptor, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016942049 Permit Version: 1 Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: 31st March 1991 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge Environment: Freshwater Stream/River Receiving Water: River Mersey **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	988	2	382400 390620

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Integrated Pollution Prevention And Control** Name: Vita Liquid Polymers Limited Location: Vita Liquid Polymers - Wythenshawe - Epr/Dp3532dm, Vita Liquid Polymers Ltd,, Harling Road,Wythenshawe,, Manchester, M22 4SZ Authority: Environment Agency, North West Region Permit Reference: HP3039QB Original Permit Ref: Dp3532dm Effective Date: 12th September 2018 **Status:** **Effective** Application Type: Variation App. Sub Type: Simple Standard Variation Positional Accuracy: Located by supplier to within 10m Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y	A8NW (S)	414	2	383020 389550
4	**Integrated Pollution Prevention And Control** Name: Vita Liquid Polymers Limited Location: Vita Liquid Polymers Ltd, Harling Road,Wythenshawe,, Manchester, M22 4SZ Authority: Environment Agency, North West Region Permit Reference: DP3532DM Original Permit Ref: Dp3532dm Effective Date: 5th June 2018 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 4.1 A(1) (A) (IV) Activity Description: Organic Chemicals; Nitrogen Containing Compounds Eg Amines Primary Activity: Y	A8NW (S)	442	2	383027 389518
5	**Integrated Pollution Prevention And Control** Name: Arla Foods Uk Services Ltd Location: Arla Foods Manchester, .,Arla Foods, Paston Road,,, Manchester, Lancashire, M22 4UA Authority: Environment Agency, North West Region Permit Reference: YP3830GX Original Permit Ref: Yp3830bb Effective Date: 10th February 2010 **Status:** **Surrender Effective** Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Manually positioned to the road within the address or location Activity Code: 6.8 A(1) (E) Activity Description: Animal Vegetable And Food; Treating Etc Milk Greater Than 200T/Day Primary Activity: Y	A8NW (S)	702	2	382870 389298
6	**Integrated Pollution Prevention And Control** Name: Arla Foods Uk Services Ltd Location: Paston Road, Sharston Industrial Area, MANCHESTER, M22 4UA Authority: Environment Agency, North West Region Permit Reference: Yp3830bb Original Permit Ref: Yp3830bb Effective Date: 23rd January 2006 **Status:** **Superseded By Variation** Application Type: Application App. Sub Type: New Positional Accuracy: Automatically positioned to the address Activity Code: 6.8 A(1) (E) Activity Description: Animal Vegetable And Food; Treating Etc Milk Greater Than 200T/Day Primary Activity: Y	A7SE (SW)	847	2	382733 389202
7	**Local Authority Integrated Pollution Prevention And Control** Name: Regalead Ltd Location: Columbus House, Altringham Road, Sharston, MANCHESTER, M22 9AF Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/01/03/AW Dated: 30th April 2003 Process Type: Production and Processing of Metals Description: Non-Ferrous Metals **Status:** **Permit Issued** Positional Accuracy: Located by supplier to within 10m	A7SE (S)	989	3	382767 389029
8	**Local Authority Pollution Prevention and Controls** Name: Northenden Laundry Services Ltd (Kingsley Laundry) Location: 17 Kingsley Road, Northenden, Manchester, M22 4nl Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/17/07 Dated: 12th February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status:** **Permitted** Positional Accuracy: Manually positioned to the address or location	A13NW (W)	193	3	382937 389961

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Local Authority Pollution Prevention and Controls** Name: Northenden Dry Cleaners Location: 328 Palantine Road, Northenden, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/25/08 Dated: 29th February 2008 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A13NW (N)	348	3	383005 390287
10	**Local Authority Pollution Prevention and Controls** Name: Royle Green Service Station Location: 106 Longley Lane, Northenden, Manchester, Lancashire, M22 4sy Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/030/06 Dated: 14th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A8NE (S)	409	3	383172 389539
11	**Local Authority Pollution Prevention and Controls** Name: Vita Liquid Polymers Ltd Location: Harling Road, Sharston Industrial Estate, Wythenshawe, Manchester, M22 4sz Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/02/10/RM Dated: 21st June 2011 Process Type: Local Authority Pollution Prevention and Control Description: PG6/44 Manufacture of coating materials **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A8NW (S)	412	3	383023 389551
11	**Local Authority Pollution Prevention and Controls** Name: Vita Liquid Polymers Location: Harling Road, Wythenshawe, MANCHESTER, M22 4SZ Authority: Manchester City Council, Environmental Health Department Permit Reference: 54/93 Dated: 4th November 1993 Process Type: Local Authority Air Pollution Control Description: PG6/10 Coating manufacturing **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A8NW (S)	412	3	383023 389551
12	**Local Authority Pollution Prevention and Controls** Name: Tcs - St Hildas Location: 304-308 Palatine Road, Northenden, MANCHESTER, Lancashire, M22 4FW Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/045/06 Dated: 12th January 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A18SW (N)	433	3	383039 390388
13	**Local Authority Pollution Prevention and Controls** Name: Wylex Ltd Location: Blantyre Works, Sharston Road, Wythenshawe, MANCHESTER, Lanacashire, M22 4RA Authority: Manchester City Council, Environmental Health Department Permit Reference: Not Given Dated: 15th September 1995 Process Type: Local Authority Air Pollution Control Description: PG5/4 General waste incineration processes under 1 tonne an hour **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A8NE (S)	608	3	383229 389345
13	**Local Authority Pollution Prevention and Controls** Name: Electrium Ltd Location: Harper Road, Sharston, Wythenshawe, M22 4ra Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/25/05/AW Dated: 3rd November 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/31 Powder coating processes (including sheradizing) **Status: Authorised** Positional Accuracy: Located by supplier to within 10m	A8NE (S)	624	3	383254 389334

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**Local Authority Pollution Prevention and Controls** Name: Electrium Ltd Location: Harper Road, Sharston, Wythenshawe, M22 4ra Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/25/05/AW Dated: 3rd November 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/45 Surface cleaning **Status: Permitted** Positional Accuracy: Located by supplier to within 10m	A8NE (S)	624	3	383254 389334
14	**Local Authority Pollution Prevention and Controls** Name: Walls Developments Location: Paston Road, Sharston Industrial Estate, Manchester, M22 4tf Authority: Manchester City Council, Environmental Health Department Permit Reference: M74/95 Dated: 12th May 1995 Process Type: Local Authority Air Pollution Control Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	668	3	382836 389350
15	**Local Authority Pollution Prevention and Controls** Name: Clinton Stone Ltd Location: 26 Gibwood Road, Northenden, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/01/07/RM Dated: 1st May 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG3/16 Mobile screening and crushing processes **Status: Authorisation revoked** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	733	3	382409 389818
16	**Local Authority Pollution Prevention and Controls** Name: Blue Circle Industries Plc Location: Blue Circle House, Shetonfield Road, Sharston Industrial Area, MANCHESTER, Lancashire, M22 4RT Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/17/92 Dated: 16th March 1992 Process Type: Local Authority Air Pollution Control Description: PG3/10 China and ball clay **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A8SE (S)	846	3	383174 389101
17	**Local Authority Pollution Prevention and Controls** Name: Lafarge Aggregates Ltd - Sharston Location: The Railway Sidings, Sharston Industrial Estate, Manchester, Lancashire, M22 4 Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/06/05/AW Dated: 7th November 2002 Process Type: Local Authority Air Pollution Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Authorised** Positional Accuracy: Located by supplier to within 10m	A8SE (S)	858	3	383227 389093
18	**Local Authority Pollution Prevention and Controls** Name: Bellcharm Motor Company Location: Leestone Road, Sharston Industrial Area, MANCHESTER, Lancashire, M22 4RB Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/B/32/05/AW Dated: 19th January 1993 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles **Status: Authorisation revoked** Positional Accuracy: Located by supplier to within 10m	A8SE (S)	934	3	383400 389050
	Nearest Surface Water Feature	A13NE (NE)	296	-	383320 390206

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Other Location: River Mersey, Didsbury Golf Club, DIDSBURY Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Other Suspended Solids Note: Not Supplied Incident Date: 27th January 1998 Incident Reference: SO980270 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	470	2	383600 390100
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: River Mersey; Unleaded Petrol Incident Date: 3rd October 1995 Incident Reference: 95512453 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Leaking Underground Pipe Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	535	2	383200 390500
21	**Pollution Incidents to Controlled Waters** Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Seen Incident Date: 24th June 1994 Incident Reference: 94511397 Catchment Area: Mersey - Non-Tidal Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	570	2	383300 389400
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Mersey; None Pollution Found Incident Date: 28th March 1995 Incident Reference: 95510628 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	650	2	383200 389300
23	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: River Mersey; Ochre Incident Date: 24th June 1995 Incident Reference: 95511549 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	651	2	383300 390600
24	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Ochre Note: Fielden Park Bk Incident Date: 21st January 1992 Incident Reference: 92510109 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	725	2	383500 390600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Pollution Incidents to Controlled Waters** Property Type: Water Company Sewage: Combined Sewer Overflow Location: River Mersey Authority: Environment Agency, North West Region Pollutant: Sewage Debris/Litter Note: Sewage Litter Incident Date: 2nd February 1998 Incident Reference: SO980222 Catchment Area: Mersey - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: CSO Normal Operation Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	775	2	383400 390700
26	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: River Mersey; Ochre Incident Date: 25th April 1995 Incident Reference: 95510919 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	822	2	383900 390300
27	**Pollution Incidents to Controlled Waters** Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Seen Incident Date: 21st November 1994 Incident Reference: 94512545 Catchment Area: Mersey - Non-Tidal Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	867	2	382900 390800
28	**Pollution Incidents to Controlled Waters** Property Type: Landfill/Waste Disposal Site Location: Greater Manchester Waste Ltd, Longley La, WYTHENSHAWE Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Fire water / Foam Note: Fire Incident Date: 9th March 1998 Incident Reference: SO980435 Catchment Area: Mersey - Non-Tidal Receiving Water: Onto Land Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	878	2	383600 389200
29	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Mersey; None Pollution Found Incident Date: 1st February 1995 Incident Reference: 95510157 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	912	2	382600 390700
30	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Talcum Powder Incident Date: 4th July 1995 Incident Reference: 95641642 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	931	2	382200 389900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Tributary Mersey; Unknown Incident Date: 29th March 1995 Incident Reference: 95510643 Catchment Area: Mersey - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	948	2	383600 390800
32	**Pollution Incidents to Controlled Waters** Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Incident Date: 3rd November 1994 Incident Reference: 94512419 Catchment Area: Mersey - Non-Tidal Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	949	2	383200 389000
33	**Registered Radioactive Substances** Name: C H Johnson & Sons Ltd Location: Bradnor Road, MANCHESTER, M22 4TS Authority: Scottish Environment Protection Agency, Head Office Permit Reference: IPB/3/3/217 Dated: 22nd August 1989 Process Type: Registration under S10 RSA for the keeping and use of mobile Radioactive sources (was RSA60 S3) Description: Registration under S7 or S10 RSA for the keeping and use of radioactive material or apparatus for 1 or more tracer test sources dated pre April 1991 **Status: Not Given** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	620	4	382959 389353
	River Quality Name: Mersey GQA Grade: River Quality D Reach: Stockport Stw To Princess Parkway Estimated Distance (km): 8.9 Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A13NE (NE)	246	2	383324 390136
34	**Substantiated Pollution Incident Register** Authority: Environment Agency - North West Region, South Area Incident Date: 1st July 2010 Incident Reference: 796800 Water Impact: Category 4 - No Impact Air Impact: Category 3 - Minor Incident Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material	A8SE (S)	824	2	383208 389126
35	**Water Abstractions** Operator: Norwest Co-Op Society Ltd. Licence Number: 2569015001 Permit Version: Not Supplied Location: Borehole, Wythenshawe, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 318 Yearly Rate (m3): 115923 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	886	2	383400 389100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	**Water Abstractions** Operator: Didsbury Golf Club Ltd Licence Number: 2569015006 Permit Version: 100 Location: Borehole At Didsbury Golf Club Northenden Wythenshawe Authority: Environment Agency, North West Region Abstraction: Golf Courses: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 68 Yearly Rate (m3): 9092 Details: Didsbury Golf Course, Northenden Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	947	2	383950 390470
	Water Abstractions Operator: Amec / Alfred Mcalpine Jv Licence Number: 2569015016 Permit Version: 1 Location: River Mersey At Trafford, Manchester Authority: Environment Agency, North West Region Abstraction: Construction: General Washing/Process Washing Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: M60 Corridor Between Junctions 5 To 8 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SE (NW)	1162	2	382650 391020
	Water Abstractions Operator: Amec / Alfred Mcalpine Jv Licence Number: 2569015016 Permit Version: 1 Location: River Mersey At Trafford, Manchester Authority: Environment Agency, North West Region Abstraction: Construction: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: M60 Corridor Between Junctions 5 To 8 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SE (NW)	1162	2	382650 391020
	Water Abstractions Operator: Mr Khalid Saleem Licence Number: 2569014037 Permit Version: 1 Location: Underground Strata: Borehole At Sharston, Manchester Authority: Environment Agency, North West Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Borehole At Premises, Sharston, Manchester Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th November 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A4NW (SE)	1185	2	383610 388860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: John Anthony Jefferies Licence Number: 2569014022 Permit Version: 101 Location: Well At Premises, Gatley, Cheshire Authority: Environment Agency, North West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Brookside Nursery, Gatley, Cheshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st January 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A5NW (SE)	1772	2	384400 388700
	Water Abstractions Operator: John Anthony Jeffries Licence Number: 2569014022 Permit Version: 100 Location: Well At Premises, Gatley, Cheshire Authority: Environment Agency, North West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4 Yearly Rate (m3): 455 Details: Brookside Nursery, Gatley, Cheshire Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th August 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NW (SE)	1772	2	384400 388700
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: 3-10m Superficial Recharge: High	A13SE (NW)	0	5	383141 389957
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - B	A13SE (NW)	0	5	383141 389957
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (NW)	0	5	383141 389957
	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	A13NE (N)	180	2	383200 390140
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	227	2	383272 390156
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 276.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A13NE (NE)	307	6	383318 390222
38	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 62.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A13NE (NE)	348	6	383433 390166
39	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 29.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	351	6	383388 390222
40	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 81.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A18SE (N)	373	6	383226 390333
41	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 89.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 2	A18SE (N)	373	6	383226 390333
42	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 513.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A14NW (NE)	385	6	383487 390149
43	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (NE)	408	6	383483 390199
44	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 45.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	416	6	383313 390349
45	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 616.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A18SE (N)	448	6	383215 390411

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 114.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	483	6	383392 390383
47	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 19.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NW)	568	6	382650 390259
48	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 149.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NW)	588	6	382634 390269
49	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2426.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Mersey Catchment Name: Mersey Primacy: 1	A14NW (NE)	638	6	383710 390270
50	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	661	6	383488 390533
51	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 242.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	662	6	382983 390610
52	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 82.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	681	6	383793 390187
53	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 14.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	687	6	383638 389472
54	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 204.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	689	6	383629 389461

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 232.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	689	6	383629 389461
56	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 37.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	721	6	383845 390157
57	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	730	6	383843 390195
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	731	6	383843 390199
59	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	735	6	383842 390210
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (NE)	737	6	383825 390260
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 76.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NW (NW)	745	6	382809 390633
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 78.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (NW)	745	6	382809 390633
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 53.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	756	6	383854 390238

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 28.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	779	6	383564 389295
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 57.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	787	6	383555 389280
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	798	6	382739 390655
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 382.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	801	6	382738 390658
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	804	6	383589 389281
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 121.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	806	6	383908 390239
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 103.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	806	6	383908 390239
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 13.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	813	6	383575 389261
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	816	6	383587 389265

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	829	6	383016 390788
74	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 10.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	842	6	383672 389296
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 23.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	843	6	382990 390797
76	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 11.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	860	6	382418 389470
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 21.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NW (N)	861	6	383013 390819
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 59.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NW (N)	861	6	383018 390820
79	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 103.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	866	6	382991 390821
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 11.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	869	6	382414 389460
81	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 30.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	876	6	383989 390217

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 41.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NW (N)	888	6	383136 390856
83	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 153.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	893	6	383558 389159
84	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 52.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	894	6	382485 389335
85	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 86.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	894	6	383999 390246
86	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 100.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	894	6	383999 390246
87	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 120.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	911	6	382889 390843
88	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	911	6	382889 390843
89	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	912	6	382892 390844
90	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	944	6	383701 389189

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 23.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	946	6	382450 389295
92	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 53.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	946	6	382452 389294
93	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	946	6	382452 389294
94	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	948	6	383701 389184
95	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 36.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	955	6	382915 390895
96	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 12.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (E)	957	6	384044 390305
97	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 108.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	980	6	383619 390826
98	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 53.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	980	6	383619 390826
99	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	983	6	382930 390928

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 171.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (N)	984	6	382783 390883
101	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 7.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	986	6	382233 389544
102	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 35.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NW (N)	987	6	382932 390932
103	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 92.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	987	6	382932 390932
104	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	989	6	382227 389548
105	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 55.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	991	6	382180 389668
106	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 15.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A18NW (N)	994	6	382964 390945
107	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 120.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (N)	998	6	383524 390892
108	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	999	6	382213 389555

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
109	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 57.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	999	6	383532 390889

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	**BGS Recorded Landfill Sites** Site Name: Parrswood Rd Tip Location: Parrswood Rd, Didsbury, MANCHESTER, Gt Manchester Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Derived	A14SE (E)	721	-	383833 389723
111	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Manchester Name: Parrs Wood Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16827 First Input Date: 30th November 1959 Last Input Date: 31st December 1976 Specified Waste Type: Deposited Waste included Commercial and Household Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: 847 Other Ref: F014	A14SE (E)	721	2	383837 389736
112	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Northenden, Greater Manchester Name: Longley Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16854 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F053	A8NE (SE)	727	2	383453 389291
113	**Historical Landfill Sites** Licence Holder: Manchester City Council Location: Princess Parkway, Greater Manchester Name: Former Northenden Sewage Works Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16786 First Input Date: 31st December 1950 Last Input Date: 31st December 1965 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9692 BGS Ref: Not Supplied Other Ref: F052	A18NW (N)	837	2	382943 390780
114	**Licensed Waste Management Facilities (Locations)** Licence Number: 53457 Location: The Old Railway Station, Longley Lane, Sharston Ind Est, Manchester, M22 4SS Operator Name: P P O' Connor Group Limited Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Household, Commercial And Industrial Transfer Stations **Licence Status: Modified** Issued: 16th February 1998 Last Modified: 13th December 2019 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	824	2	383250 389130
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	7	383141 389957

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A18SE (N)	347	-	383206 390310
116	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A12NE (W)	463	-	382672 390020
117	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A12NE (W)	509	-	382628 390039
118	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A14SW (E)	539	-	383653 389761
119	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (N)	550	-	383297 390497
120	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A14SW (SE)	565	-	383667 389725
121	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (NW)	585	-	382626 390251
122	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (NW)	611	-	382580 390221
123	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A14SW (E)	662	-	383805 389850
124	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1923	A17SW (NW)	847	-	382366 390321
125	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1954	A14SE (E)	946	-	384075 389752
126	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NW (N)	991	-	383016 390951
127	**Registered Waste Transfer Sites** Licence Holder: Davidsons Skiphire Ltd Licence Reference: 01135/M01/T01 Site Location: Old Railway Sidings, Off Longley Lane, Sharston, Manchester, Greater Manchester Operator Location: The Old Railway Station, off Longley Lane, Northenden, MANCHESTER, Greater Manchester, M22 4SS Authority: Environment Agency - North West Region, South Area Site Category: Transfer Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 16th February 1998 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Supplied Authorised Waste: Maximum Waste Permitted By Licence Non-Hazardous Household/Commercial/Industrial Waste Uncontaminated Brick, Hardcore, Stone, Concrete, Glass, Ceramics Uncontaminated Soil, Subsoil, Sand, Clay, Weathered Tar Prohibited Waste: Asbestos Batteries Bulk Powders Clinical Wastes Other Waste/Waste Not Otherwise Specified Pressurised Waste Special Waste (As In Epa 1990:S62 Of 1996 Regs) Waste Drums	A8SE (S)	862	2	383300 389100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13SE (NW)	0	1	383141 389957
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13SE (NW)	0	1	383141 389957
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	69	1	383213 389993
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (E)	262	1	383410 390000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	291	1	383352 390173
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NW (SE)	665	1	383670 389541
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A18SW (NW)	723	1	382817 390612

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 25 - 35 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A18NW (N)	795	1	383011 390752
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (E)	849	1	384000 389957
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NE (SE)	856	1	383915 389570
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	870	1	382729 390732
	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	A14SE (E)	895	1	384000 389672
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SE (S)	946	1	383141 389000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A9NE (SE)	994	1	384000 389440
128	**BGS Recorded Mineral Sites** Site Name: Northenden Rail Depot Location: Northenden, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 31707 Type: Rail Depot **Status: Dormant** Operator: Breedon Southern Operator Location: Not Supplied Periodic Type: Not Available Geology: Quarry (Hard Rock) Commodity: Crushed Rock Positional Accuracy: Located by supplier to within 10m	A8SE (S)	848	1	383191 389100
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	383141 389957
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	32	1	383141 390000
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	383141 389957
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	32	1	383141 390000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	383141 389957
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	32	1	383141 390000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	383141 389957
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	32	1	383141 390000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	383141 389957
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	32	1	383141 390000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	383141 389957

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	32	1	383141 390000
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	383141 389957
	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 (NW)	0	1	383141 389957

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	**Contemporary Trade Directory Entries** Name: Royale Green Furniture Location: 40, Royle Green Road, Manchester, Lancashire, M22 4NG Classification: Furniture - Reproduction **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	40	-	383176 389926
130	**Contemporary Trade Directory Entries** Name: Manchester Pest Control Location: 45, Morrell Road, Manchester, M22 4WJ Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (S)	43	-	383122 389907
131	**Contemporary Trade Directory Entries** Name: Manchester Pest Control Location: Morrell Road, Manchester, Greater Manchester, M22 4WH Classification: Pest & Vermin Control **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13SW (SW)	95	-	383042 389916
132	**Contemporary Trade Directory Entries** Name: A1 Northenden Domestic Appliances Location: 69, Church Road, Manchester, M22 4WD Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	129	-	383104 390091
132	**Contemporary Trade Directory Entries** Name: A1 Northenden Domestic Appliances Location: 69, Church Road, Manchester, M22 4WD Classification: Washing Machines - Servicing & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (N)	129	-	383104 390091
132	**Contemporary Trade Directory Entries** Name: Kelwal Diy Location: 55, Church Road, Manchester, M22 4WD Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	160	-	383059 390103
133	**Contemporary Trade Directory Entries** Name: Pro Cleaners Northenden Location: Flat 2, 25, Church Road, Manchester, M22 4NN Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	197	-	382983 390084
133	**Contemporary Trade Directory Entries** Name: Kingsley Curtain Services Location: Kingsley Road, Manchester, M22 4NL Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	200	-	382948 390037
133	**Contemporary Trade Directory Entries** Name: Northenden Laundry Services Location: Kingsley Road, Manchester, M22 4NL Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	200	-	382948 390037
133	**Contemporary Trade Directory Entries** Name: Kingsley Garage Location: Kingsley Road, Manchester, M22 4NL Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	200	-	382948 390037
133	**Contemporary Trade Directory Entries** Name: Formek Ltd Location: Kingsley Road, Manchester, M22 4NL Classification: Metal Products - Fabricated **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	200	-	382948 390037
133	**Contemporary Trade Directory Entries** Name: Car Options Location: 391-393, Palatine Road, Manchester, M22 4FY Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	220	-	382947 390076

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	**Contemporary Trade Directory Entries** Name: A Filippidi Location: 14, Church Road, Manchester, M22 4WL Classification: Jewellery Manufacturers & Repairers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	233	-	382918 390050
134	**Contemporary Trade Directory Entries** Name: Brimec Transporter Services Location: Norwood, Ford Lane, Northenden, Manchester, M22 4NQ Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	198	-	383245 390139
135	**Contemporary Trade Directory Entries** Name: T R S Tyres Location: 18, Kingsley Road, Manchester, M22 4NL Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (W)	223	-	382907 389939
135	**Contemporary Trade Directory Entries** Name: Rudy'S Autotek Location: 18, Kingsley Road, Manchester, M22 4NL Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	236	-	382894 389936
135	**Contemporary Trade Directory Entries** Name: North West Harleys Location: 18, Kingsley Road, Manchester, M22 4NL Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	236	-	382894 389936
135	**Contemporary Trade Directory Entries** Name: Curtaincare By Kingsly Cleaners Location: 18, Kingsley Road, Manchester, M22 4NL Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	236	-	382894 389936
135	**Contemporary Trade Directory Entries** Name: Curtain Care By Kingsley Location: 18, Kingsley Road, Manchester, M22 4NL Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (W)	236	-	382894 389936
136	**Contemporary Trade Directory Entries** Name: Home Direct Uk Location: 349, Palatine Road, Manchester, M22 4FY Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	265	-	383016 390200
137	**Contemporary Trade Directory Entries** Name: Price Freezer Location: Hatro House, 397-401, Palatine Road, Manchester, Lancashire, M22 4JS Classification: Frozen Food Processors & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	281	-	382868 390055
138	**Contemporary Trade Directory Entries** Name: Premiserv Location: 386-388, Palatine Road, Manchester, M22 4FZ Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	288	-	382901 390129
139	**Contemporary Trade Directory Entries** Name: Fads Location: 358-362, Palatine Road, Manchester, M22 4HD Classification: Wallpapers & Wall Coverings **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	298	-	382958 390200
139	**Contemporary Trade Directory Entries** Name: Pro Cleaners Baguley Location: Manchester, Greater Manchester, M22 4hd Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13NW (NW)	305	-	382973 390220

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	**Contemporary Trade Directory Entries** Name: The Print Solution Location: 19, Bradgate Close, Manchester, Lancashire, M22 4LY Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	310	-	383264 389663
141	**Contemporary Trade Directory Entries** Name: A S Motor Services Location: Wearlee Works, Longley Lane, Sharston Industrial Area, Manchester, M22 4WT Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	345	-	383047 389613
141	**Contemporary Trade Directory Entries** Name: Pinder William & Sons Ltd Location: Harling Road, Sharston Industrial Area, Manchester, Lancashire, M22 4UZ Classification: Printing Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	345	-	383047 389613
141	**Contemporary Trade Directory Entries** Name: A S Motors Location: Wearlee Works, Longley Lane, Sharston Industrial Area, Manchester, Lancashire, M22 4WT Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	345	-	383047 389613
141	**Contemporary Trade Directory Entries** Name: A M Ingredients Ltd Location: Unit 13, Wearlee Works, 102, Longley Lane, Manchester, M22 4SY Classification: Meat - Wholesale **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	346	-	383047 389613
141	**Contemporary Trade Directory Entries** Name: A S Motors Location: Unit 12, Wearlee Works, Longley Lane, Sharston Industrial Area, Manchester, M22 4WT Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	346	-	383047 389613
141	**Contemporary Trade Directory Entries** Name: Northenden Service Station Location: Unit 11 Wearlee Works,Harling Rd, Sharston Industrial Area, Manchester, Greater Manchester, M22 4WT Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8NW (S)	347	-	383046 389612
142	**Contemporary Trade Directory Entries** Name: Northernden Dry Cleaners Location: 328, Palatine Road, Manchester, M22 4HE Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (N)	348	-	383007 390287
142	**Contemporary Trade Directory Entries** Name: Quidds In Discount Location: 322-326, Palatine Road, MANCHESTER, M22 4HE Classification: Hardware **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	357	-	383000 390294
142	**Contemporary Trade Directory Entries** Name: Rah Advertising Ltd Location: 320 Palatine Rd, Manchester, Lancashire, M22 4HF Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SW (N)	359	-	383012 390302
142	**Contemporary Trade Directory Entries** Name: Argosy Design & Print Ltd Location: A, 320, Palatine Road, Manchester, Lancashire, M22 4HF Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A18SW (N)	359	-	383012 390302

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	**Contemporary Trade Directory Entries** Name: P J M Freight Location: Unit 4, The Oakfield Centre, Harling Road, Sharston Industrial Area, Manchester, M22 4UX Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	408	-	383124 389539
143	**Contemporary Trade Directory Entries** Name: Belly Button Designs Location: Unit 1, The Oakfield Centre, Harling Road, Sharston Industrial Area, Manchester, M22 4UX Classification: Greeting Card Publishers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	408	-	383124 389539
143	**Contemporary Trade Directory Entries** Name: Euro Garages Location: 106, Longley Lane, Manchester, M22 4SY Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	409	-	383172 389539
143	**Contemporary Trade Directory Entries** Name: B P Service Station Location: Longley Lane, Manchester, Greater Manchester, M22 4SY Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	410	-	383172 389538
143	**Contemporary Trade Directory Entries** Name: National Tyres & Autocare Location: Longley Lane, MANCHESTER, M22 4SY Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	436	-	383196 389514
144	**Contemporary Trade Directory Entries** Name: Vita Liquid Polymers Ltd Location: Harling Road, Sharston Industrial Area, Manchester, M22 4SZ Classification: Chemicals & Allied Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	412	-	383023 389551
144	**Contemporary Trade Directory Entries** Name: Vita Liquid Polymers Location: Harling Road, Sharston Industrial Area, Manchester, Lancashire, M22 4SZ Classification: Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	412	-	383023 389551
144	**Contemporary Trade Directory Entries** Name: Vita Liquid Polymers Location: Harling Road, Sharston Industrial Area, Manchester, M22 4SZ Classification: Adhesives, Glues & Sealants **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	413	-	383023 389550
145	**Contemporary Trade Directory Entries** Name: Esso Location: 304-308, Palatine Road, Manchester, M22 4FW Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	432	-	383038 390387
145	**Contemporary Trade Directory Entries** Name: Esso Location: 304-308, Palatine Road, Manchester, M22 4FW Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	433	-	383039 390388
145	**Contemporary Trade Directory Entries** Name: St Hilda'S Garage Location: 304-308, Palatine Road, Manchester, M22 4FW Classification: Petrol Filling Stations **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	433	-	383039 390388

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	**Contemporary Trade Directory Entries** Name: Paragon Doors Location: 27, Kenworthy Lane, Manchester, M22 4FJ Classification: Roller Shutter Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	459	-	382765 390233
146	**Contemporary Trade Directory Entries** Name: B W C Manchester Location: 21, Greenpark Road, Manchester, M22 4DS Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	493	-	382727 390238
147	**Contemporary Trade Directory Entries** Name: A & B Transport Location: 28, Longley Lane, Manchester, M22 4JR Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	464	-	382673 389870
147	**Contemporary Trade Directory Entries** Name: Proclean Bins Location: 4 Longley Lane, Manchester, Lancashire, M22 4SY Classification: Hygiene & Cleansing Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A12SE (W)	465	-	382667 389908
148	**Contemporary Trade Directory Entries** Name: Economy Gas Ltd Location: Universal House Longley la, Manchester, Greater Manchester, M22 4SY Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	467	-	383191 389483
148	**Contemporary Trade Directory Entries** Name: Eagletechnical Products Ltd Location: Longley La, Manchester, Lancashire, M22 4SY Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	467	-	383191 389483
149	**Contemporary Trade Directory Entries** Name: Kerry Foods Ltd Location: Parkway House, Palatine Road, Manchester, M22 4DB Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	470	-	382660 389977
150	**Contemporary Trade Directory Entries** Name: Halfords Autocentre Location: 271, Palatine Road, Manchester, M22 4ET Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SW (N)	476	-	383132 390444
150	**Contemporary Trade Directory Entries** Name: Currys Location: 269, Palatine Road, Manchester, M22 4ET Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	480	-	383121 390448
151	**Contemporary Trade Directory Entries** Name: K B Tyres Ltd Location: 9 Wootton Trading Estate,Newport Pagnell Road, Manchester, Greater Manchester, M22 4SY Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	507	-	383222 389447
151	**Contemporary Trade Directory Entries** Name: Juiceworks Ltd Location: Sonex House, Sharston Road, Sharston Industrial Area, Manchester, M22 4RX Classification: Soft Drinks - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	519	-	383179 389429

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	**Contemporary Trade Directory Entries** Name: Juice Works Location: Sonex House, Sharston Road, Sharston Industrial Area, Manchester, M22 4RX Classification: Soft Drinks - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	519	-	383179 389429
151	**Contemporary Trade Directory Entries** Name: Discount Gas Location: Sharston House, Sharston Road, Sharston Industrial Area, Manchester, M22 4RX Classification: Gas Companies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	536	-	383219 389417
152	**Contemporary Trade Directory Entries** Name: J P Domestics Location: 15, St. Hildas Road, Northenden, Manchester, M22 4FP Classification: Washing Machines - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	518	-	382894 390422
153	**Contemporary Trade Directory Entries** Name: Electrium Sales Ltd Location: Sharston Road, Sharston Industrial Area, Manchester, M22 4RA Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	608	-	383229 389346
153	**Contemporary Trade Directory Entries** Name: Electrium Sales Ltd Location: South Court,Sharston Rd, Manchester, Lancashire, M22 4SN Classification: Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A8NE (S)	608	-	383228 389345
154	**Contemporary Trade Directory Entries** Name: E C G Groups Ltd Location: Phoenix House, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Classification: Electrical Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	610	-	382828 389421
155	**Contemporary Trade Directory Entries** Name: Independent Damp & Timber Surveys Location: 15, Yew Tree Avenue, Northenden, Manchester, M22 4GX Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	621	-	382669 390370
156	**Contemporary Trade Directory Entries** Name: Cheadle Breakdown Service Location: Bradnor Point, Paston Road, Sharston Industrial Area, Manchester, M22 4TF Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	635	-	382873 389369
156	**Contemporary Trade Directory Entries** Name: Yusen Logistics Location: Bradnor Rd, Sharston Ind Area, Manchester, Lancashire, M22 4TE Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8NW (SW)	635	-	382873 389369
157	**Contemporary Trade Directory Entries** Name: Heimbach Location: Bradnor Road, Sharston Industrial Area, Manchester, M22 4TS Classification: Paper & Cardboard Products & Packaging - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	661	-	382947 389314
158	**Contemporary Trade Directory Entries** Name: Top Tyres Ltd Location: 122, Longley Lane, Manchester, M22 4SY Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	667	-	383315 389304

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	**Contemporary Trade Directory Entries** Name: Top Gear Motors Location: 122, Longley Lane, Manchester, M22 4SY Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	667	-	383315 389304
158	**Contemporary Trade Directory Entries** Name: Miller Autos Location: 124, Longley Lane, Manchester, M22 4SP Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	686	-	383347 389293
158	**Contemporary Trade Directory Entries** Name: Siltint Industries Ltd Location: 124, Longley Lane, Manchester, M22 4SP Classification: Optical Goods - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NE (S)	686	-	383347 389294
158	**Contemporary Trade Directory Entries** Name: A C P Autos Location: Harper Road, Sharston Industrial Area, Manchester, M22 4RG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	686	-	383347 389294
158	**Contemporary Trade Directory Entries** Name: V F M Auto Service Centre Location: Harper Road, Sharston Industrial Area, Manchester, M22 4RG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	704	-	383292 389260
158	**Contemporary Trade Directory Entries** Name: Quic Fix Location: Unit 2, Harper House, Harper Road, Sharston Industrial Area, Manchester, M22 4RG Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	710	-	383319 389261
158	**Contemporary Trade Directory Entries** Name: Renu-Nw Location: Harper House, Harper Road, Manchester, M22 4RG Classification: French Polishing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	710	-	383319 389261
158	**Contemporary Trade Directory Entries** Name: Oak Fields Autos Location: Unit 5, Harper House, Harper Road, Sharston Industrial Area, Manchester, M22 4RG Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	710	-	383319 389261
158	**Contemporary Trade Directory Entries** Name: Inkguard Location: Unit 4 Harper House,Harper Road, Sharston Industrial Area, Manchester, Greater Manchester, M22 4RG Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	710	-	383319 389261
158	**Contemporary Trade Directory Entries** Name: Quicfix Tyre And Garage Services Wythenshawe Location: Unit 2, Manchester, Lancashire, m22 4rg Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	715	-	383341 389261
158	**Contemporary Trade Directory Entries** Name: Master Chemicals (Leeds) Ltd Location: Harper Road, Sharston Industrial Area, MANCHESTER, M22 4RG Classification: Cleaning Materials & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	715	-	383341 389261

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
158	**Contemporary Trade Directory Entries** Name: V F M Auto Service Centre Location: Harper Road, Sharston Industrial Area, Manchester, Lancashire, M22 4RG Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	715	-	383341 389261
159	**Contemporary Trade Directory Entries** Name: Regal Cast Iron Radiators Location: 9, Banstead Avenue, Manchester, M22 4AQ Classification: Central Heating Supplies & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	694	-	382728 389386
160	**Contemporary Trade Directory Entries** Name: Cronin 24hr Breakdown Service Location: Paston Road, Manchester, Lancashire, m22 4tf Classification: Car Breakdown & Recovery Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8NW (SW)	716	-	382817 389306
160	**Contemporary Trade Directory Entries** Name: Egerton'S Recovery Services Location: Paston Road, Sharston Industrial Area, Manchester, M22 4TF Classification: Car Breakdown & Recovery Services **Status: Active** Positional Accuracy: Automatically positioned in the proximity of the address	A7NE (SW)	726	-	382785 389312
161	**Contemporary Trade Directory Entries** Name: Nu-Pax Adhesive Tapes Ltd Location: Harper Rd,Sharston Industrial Area, Manchester, M22 4RG Classification: Packaging & Wrapping Equipment & Supplies **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	726	-	383277 389234
161	**Contemporary Trade Directory Entries** Name: Cheshire Exhaust Services Location: Unit 2, Beta Court, Harper Road, Sharston Industrial Area, Manchester, M22 4QE Classification: Exhaust & Shock Absorber Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	758	-	383272 389201
161	**Contemporary Trade Directory Entries** Name: Cheshire Exhaust Services Location: Unit 2, Beta Court, Harper Road, Sharston Industrial Area, Manchester, M22 4QE Classification: Exhaust & Shock Absorber Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	758	-	383272 389201
161	**Contemporary Trade Directory Entries** Name: The Flava People Location: Unit 5-6, Beta Court, Harper Road, Sharston Industrial Area, Manchester, M22 4XR Classification: Food Products - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	768	-	383270 389190
162	**Contemporary Trade Directory Entries** Name: Scotchgard Protector Services Location: Alpha Point,Bradnor Rd, Sharston Ind Area, Manchester, Lancashire, M22 4TE Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	759	-	383038 389194
163	**Contemporary Trade Directory Entries** Name: Bollore Logistics Location: Unit 3, Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	787	-	382988 389174
163	**Contemporary Trade Directory Entries** Name: Bollore Logistics Location: Unit 3, Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	787	-	382988 389174

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
163	**Contemporary Trade Directory Entries** Name: S T V Bernard Ltd Location: Unit 3, Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	824	-	382966 389141
164	**Contemporary Trade Directory Entries** Name: Howells Railway Products Plc Location: Longley Lane, Sharston Industrial Area, Manchester, M22 4SS Classification: Railway Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	832	-	383417 389163
165	**Contemporary Trade Directory Entries** Name: Arla Foods Location: Paston Road, Sharston Industrial Area, Manchester, M22 4UA Classification: Dairies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	847	-	382733 389202
165	**Contemporary Trade Directory Entries** Name: Arla Foods Location: Paston Road, Sharston Industrial Area, Manchester, M22 4UA Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	847	-	382733 389202
166	**Contemporary Trade Directory Entries** Name: Travis Perkins Plc Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RF Classification: Builders' Merchants **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	870	-	383268 389086
167	**Contemporary Trade Directory Entries** Name: Tommy Tyres Location: Warsall Road, Sharston Industrial Area, MANCHESTER, M22 4RH Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	885	-	383202 389064
167	**Contemporary Trade Directory Entries** Name: Heald Green Garage Ltd Location: Warsall Road, Sharston Industrial Area, Manchester, M22 4RH Classification: Tyre Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	886	-	383206 389063
167	**Contemporary Trade Directory Entries** Name: Atlas Motor Services Ltd Location: Unit 2 Castle House,Warsall Road, Sharston Industrial Area, Manchester, Greater Manchester, M22 4RH Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	886	-	383206 389063
168	**Contemporary Trade Directory Entries** Name: Sunwin Transport Services Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Classification: Mot Testing Centres **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	890	-	383368 389087
169	**Contemporary Trade Directory Entries** Name: Interpart Uk Ltd Location: Warsall Road, Sharston Industrial Area, Manchester, M22 4RH Classification: Plant & Machinery Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	913	-	383140 389033
169	**Contemporary Trade Directory Entries** Name: Heald Green Garage Ltd Location: Warsall Road, Sharston Industrial Area, Manchester, M22 4RH Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	913	-	383140 389033

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
169	**Contemporary Trade Directory Entries** Name: M Wheels Location: 50, Leestone Road, Sharston Industrial Area, Manchester, M22 4RF Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	920	-	383102 389027
169	**Contemporary Trade Directory Entries** Name: Remploy Print Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RF Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	923	-	383062 389027
169	**Contemporary Trade Directory Entries** Name: Albany Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	936	-	383130 389011
170	**Contemporary Trade Directory Entries** Name: Direct Food Express Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	921	-	383299 389040
170	**Contemporary Trade Directory Entries** Name: Cardinal Maritime Ltd Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	921	-	383299 389040
170	**Contemporary Trade Directory Entries** Name: Cardinal Plus Location: Leestone Road, Sharston Industrial Area, Manchester, Lancashire, M22 4RB Classification: Road Haulage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	922	-	383301 389039
170	**Contemporary Trade Directory Entries** Name: Delamode Plc Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	922	-	383301 389039
170	**Contemporary Trade Directory Entries** Name: Unique Logistics International Ltd Location: Leestone Road, Sharston Industrial Area, MANCHESTER, M22 4RB Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	922	-	383301 389039
170	**Contemporary Trade Directory Entries** Name: Cardinal Maritime Location: Leestone Road, Sharston Industrial Area, MANCHESTER, M22 4RB Classification: Freight Forwarders **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	922	-	383301 389039
171	**Contemporary Trade Directory Entries** Name: Screwfix Location: Leestone Road, Sharston Industrial Area, Manchester, Greater Manchester, M22 4RB Classification: Builders' Merchants **Status: Active** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	936	-	383201 389013
172	**Contemporary Trade Directory Entries** Name: Express Dairies Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Classification: Dairies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	952	-	383408 389034

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	**Contemporary Trade Directory Entries** Name: Kobo Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Classification: Power Transmission Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	958	-	383256 388996
173	**Contemporary Trade Directory Entries** Name: Elle Uk Ltd Location: 2 Leestone Rd, Sharston Ind Area, Manchester, M22 4RB Classification: Hosiery Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	979	-	383254 388974
173	**Contemporary Trade Directory Entries** Name: Breedon Aggregates Location: Leestone Road, Sharston Industrial Area, Manchester, Greater Manchester, M22 4RN Classification: Sand, Gravel & Other Aggregates **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	980	-	383254 388973
174	**Contemporary Trade Directory Entries** Name: G & M Fire Protection Ltd Location: 129, Roundwood Road, Manchester, M22 4AD Classification: Firefighting Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	981	-	382598 389127
175	**Contemporary Trade Directory Entries** Name: Somewin Location: Leestone Road, Sharston Industrial Area, Manchester, Lancashire, M22 4RB Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	981	-	383471 389024
176	**Contemporary Trade Directory Entries** Name: Flex Direct Ltd Location: Leestone Rd, Sharston Ind Area, Manchester, Lancashire, M22 4RB Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	986	-	383324 388978
177	**Contemporary Trade Directory Entries** Name: Able Freight Logistics Ltd Location: Bell House, Leestone Road, Sharston Industrial Area, Manchester, M22 4RF Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	993	-	383063 388957
178	**Contemporary Trade Directory Entries** Name: D S V Air & Sea Ltd Location: Enterprise Point, Altrincham Road, MANCHESTER, M22 4NY Classification: Freight Forwarders **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	1000	-	382712 389042
178	**Contemporary Trade Directory Entries** Name: D F D S Location: Enterprise Point, Altrincham Road, Manchester, M22 4NY Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	1000	-	382712 389042
179	**Fuel Station Entries** Name: Royle Green Filling Station Location: 106, Longley Lane , Northendon , Manchester, Greater Manchester, M22 4SY Brand: BP Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A8NE (S)	409	-	383172 389539
180	**Fuel Station Entries** Name: Rss St Hildas Location: 304, Palatine Road St Hildas Road, Northenden , Manchester, Greater Manchester, M22 4FW Brand: Esso Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A18SW (N)	433	-	383039 390388

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
181	**Fuel Station Entries** Name: Northenden Service Station Location: 265, Palatine Road , Northenden , Manchester, Greater Manchester, M22 4ET Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A18SE (N)	524	-	383147 390493
182	**Points of Interest - Commercial Services** Name: D Race & Sons Location: 7a Boat Lane, Manchester, M22 4HR Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A13NE (NE)	182	8	383219 390134
182	**Points of Interest - Commercial Services** Name: Breakers Yard Location: M22 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A13NE (NE)	192	8	383235 390138
183	**Points of Interest - Commercial Services** Name: Rudy's Autotek Location: 18 Kingsley Road, Manchester, M22 4NL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (W)	236	8	382894 389936
183	**Points of Interest - Commercial Services** Name: North West Harleys Location: 18 Kingsley Road, Manchester, M22 4NL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (W)	236	8	382894 389936
183	**Points of Interest - Commercial Services** Name: T R S Tyres Location: 18 Kingsley Road, Manchester, M22 4NL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (W)	236	8	382894 389936
184	**Points of Interest - Commercial Services** Name: Northenden Car Centre Location: 407a Palatine Road, Manchester, M22 4JS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (W)	317	8	382821 390023
185	**Points of Interest - Commercial Services** Name: A S Motors Location: Wearlee Works, Longley Lane, Sharston Industrial Area, Manchester, M22 4WT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	345	8	383047 389613
185	**Points of Interest - Commercial Services** Name: A S Motors Location: 11 Wearlee Works, Longley Lane, Sharston Industrial Area, Manchester, M22 4WT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	346	8	383047 389613
185	**Points of Interest - Commercial Services** Name: Northenden Service Station Location: Unit 11 Wearlee Works, Harling Rd, Sharston, Manchester, Lancashire, M22 4WT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	347	8	383046 389612
185	**Points of Interest - Commercial Services** Name: Northenden Service Station Location: Unit 11 Wearlee Works, Harling Road, Sharston Industrial Area, Manchester, M22 4WT Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (S)	381	8	383092 389568

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	**Points of Interest - Commercial Services** Name: Car Wash Location: 106 Longley Lane, Manchester, M22 4SY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (S)	409	8	383172 389539
186	**Points of Interest - Commercial Services** Name: National Tyres and Autocare Location: Longley Lane, Manchester, M22 4SY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	436	8	383195 389514
186	**Points of Interest - Commercial Services** Name: National Tyres and Autocare Location: Longley Lane, Northenden, Manchester, M22 4SY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	436	8	383196 389514
186	**Points of Interest - Commercial Services** Name: Royle Green Filling Station Location: 106 Longley Lane, Manchester, M22 4SY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (S)	449	8	383170 389499
186	**Points of Interest - Commercial Services** Name: B P Car Wash Location: Longley Lane, Manchester, M22 4SY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (S)	449	8	383170 389499
187	**Points of Interest - Commercial Services** Name: Rss St Hildas Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SW (N)	432	8	383038 390387
187	**Points of Interest - Commercial Services** Name: Car Wash Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18SW (N)	433	8	383039 390388
188	**Points of Interest - Commercial Services** Name: Halfords Autocentre Location: 271 Palatine Road, Manchester, M22 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (N)	475	8	383132 390443
189	**Points of Interest - Commercial Services** Name: Yusen Logistics Location: Unit 1 Sharston Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8NW (S)	582	8	383039 389373
190	**Points of Interest - Commercial Services** Name: Top Gear Motors Location: 122 Longley Lane, Manchester, M22 4SY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	667	8	383315 389304
190	**Points of Interest - Commercial Services** Name: K N G Auto Services Location: 124 Longley Lane, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	685	8	383347 389294
190	**Points of Interest - Commercial Services** Name: A C P Autos Location: Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	686	8	383346 389293

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
190	**Points of Interest - Commercial Services** Name: Miller Autos Location: 124 Longley Lane, Manchester, M22 4SP Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (S)	686	8	383347 389293
190	**Points of Interest - Commercial Services** Name: V F M Auto Service Centre Location: Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	706	8	383292 389258
190	**Points of Interest - Commercial Services** Name: Gatley Auto Services Location: Unit 2 Harper House, Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	711	8	383321 389259
190	**Points of Interest - Commercial Services** Name: Oak Fields Autos Location: Unit 5 Harper House, Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	711	8	383320 389259
190	**Points of Interest - Commercial Services** Name: Quic Fix Location: Unit 2 Harper House, Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	711	8	383320 389259
190	**Points of Interest - Commercial Services** Name: V F M Auto Service Centre Location: Harper Road, Sharston Industrial Area, Manchester, M22 4RG Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	715	8	383341 389261
191	**Points of Interest - Commercial Services** Name: Cheshire Exhaust Services Location: Unit 2 Beta Court, Harper Road, Sharston Industrial Area, Manchester, M22 4QE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	758	8	383271 389200
192	**Points of Interest - Commercial Services** Name: Bollore Logistics Location: Unit 3 Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SW (S)	788	8	382988 389173
192	**Points of Interest - Commercial Services** Name: S D V Ltd Location: Unit 3 Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SW (S)	824	8	382966 389141
192	**Points of Interest - Commercial Services** Name: Bollore Logistics Location: Unit 3 Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SW (S)	824	8	382966 389141

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	**Points of Interest - Commercial Services** Name: J Bernard & Co Ltd Location: Unit 3 Alpha Point, Bradnor Road, Sharston Industrial Area, Manchester, M22 4TE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SW (S)	824	8	382966 389141
193	**Points of Interest - Commercial Services** Name: V F M Auto Service Centre Location: Isola Works, Harper Road, Sharston Industrial Area, Manchester, M22 4SH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	813	8	383385 389172
194	**Points of Interest - Commercial Services** Name: Arla Foods Location: Paston Road, Sharston Industrial Area, Manchester, M22 4UA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SE (SW)	847	8	382733 389202
195	**Points of Interest - Commercial Services** Name: Motorwheel Service Distribution Location: 50 Leestone Road, Sharston Industrial Area, Manchester, M22 4RF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SW (S)	868	8	383103 389079
195	**Points of Interest - Commercial Services** Name: Heald Green Garage Ltd Location: Warsall Road, Sharston Industrial Area, Manchester, M22 4RH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SW (S)	914	8	383139 389033
195	**Points of Interest - Commercial Services** Name: M Wheels Location: 50 Leestone Road, Sharston Industrial Area, Manchester, M22 4RF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SW (S)	920	8	383102 389027
196	**Points of Interest - Commercial Services** Name: Atlas Motor Services Ltd Location: Unit 2 Castle House, Warsall Road, Sharston Industrial Area, Manchester, M22 4RH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	887	8	383205 389062
197	**Points of Interest - Commercial Services** Name: Sunwin Transport Services Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	890	8	383368 389087
197	**Points of Interest - Commercial Services** Name: Cardinal Plus Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	922	8	383300 389039
197	**Points of Interest - Commercial Services** Name: Direct Food Express Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	922	8	383298 389039
197	**Points of Interest - Commercial Services** Name: Delamode Plc Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	922	8	383301 389039

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	**Points of Interest - Commercial Services** Name: Ital Logistics Ltd Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	922	8	383301 389039
197	**Points of Interest - Commercial Services** Name: Unique Logistics International Ltd Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	922	8	383301 389039
197	**Points of Interest - Commercial Services** Name: Cardinal Maritime Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	922	8	383301 389039
197	**Points of Interest - Commercial Services** Name: Delamode Plc Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	922	8	383301 389039
197	**Points of Interest - Commercial Services** Name: Unique Logistics International Ltd Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	922	8	383301 389039
197	**Points of Interest - Commercial Services** Name: Cardinal Maritime Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	922	8	383301 389039
197	**Points of Interest - Commercial Services** Name: Cardinal Maritime Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A8SE (S)	922	8	383301 389039
197	**Points of Interest - Commercial Services** Name: Kobo UK Ltd Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	923	8	383255 389031
198	**Points of Interest - Commercial Services** Name: Bellcharm Motor Co Ltd Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	981	8	383471 389024
198	**Points of Interest - Commercial Services** Name: Bellcharm Motor Co Ltd Location: Leestone Road, Sharston Industrial Area, Manchester, M22 4RB Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	981	8	383471 389024
199	**Points of Interest - Commercial Services** Name: D F D S Location: Enterprise Point, Altrincham Road, Manchester, M22 4NY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7SE (SW)	1000	8	382712 389042
200	**Points of Interest - Manufacturing and Production** Name: Tank Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	493	8	383123 389454

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
200	**Points of Interest - Manufacturing and Production** Name: Tanks Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	527	8	383145 389420
201	**Points of Interest - Manufacturing and Production** Name: Industrial Area Location: M22 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	649	8	383252 389308
201	**Points of Interest - Manufacturing and Production** Name: Tank Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	697	8	383261 389261
202	**Points of Interest - Manufacturing and Production** Name: Tank Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	683	8	383388 389311
203	**Points of Interest - Manufacturing and Production** Name: Factory Location: M22 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	794	8	383399 389197
204	**Points of Interest - Manufacturing and Production** Name: Tank Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	900	8	383127 390868
205	**Points of Interest - Manufacturing and Production** Name: Tanks Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	923	8	382857 389067
206	**Points of Interest - Manufacturing and Production** Name: Tank Location: M22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	958	8	383572 389093
207	**Points of Interest - Public Infrastructure** Name: Tesco Petrol Filling Station Location: 404-406 Palatine Road, Manchester, M22 4JT Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13NW (NW)	317	8	382845 390095
208	**Points of Interest - Public Infrastructure** Name: Weir Location: M22 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	352	8	383221 390312
208	**Points of Interest - Public Infrastructure** Name: Weir Location: M22 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	353	8	383225 390312
208	**Points of Interest - Public Infrastructure** Name: Sluice Location: M22 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	386	8	383275 390332

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
209	**Points of Interest - Public Infrastructure** Name: BP Service Station Location: 106 Longley Lane, Manchester, M22 4SY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	409	8	383172 389539
209	**Points of Interest - Public Infrastructure** Name: Euro Garages Location: 106 Longley Lane, Manchester, M22 4SY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	409	8	383172 389539
209	**Points of Interest - Public Infrastructure** Name: Royle Green Filling Station Location: 106 Longley Lane, Manchester, M22 4SY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	409	8	383172 389539
209	**Points of Interest - Public Infrastructure** Name: BP Service Station Location: Longley Lane, Manchester, M22 4SY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	410	8	383172 389538
209	**Points of Interest - Public Infrastructure** Name: Royle Green Filling Station Location: 106 Longley Lane, Manchester, M22 4SY Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	410	8	383172 389538
209	**Points of Interest - Public Infrastructure** Name: Bus Depot Location: M22 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A8NW (S)	444	8	383110 389503
210	**Points of Interest - Public Infrastructure** Name: Esso Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SW (N)	432	8	383038 390387
210	**Points of Interest - Public Infrastructure** Name: Rss St Hildas Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SW (N)	432	8	383038 390387
210	**Points of Interest - Public Infrastructure** Name: St Hildas Service Station Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SW (N)	433	8	383039 390388
210	**Points of Interest - Public Infrastructure** Name: Esso Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SW (N)	433	8	383039 390388
210	**Points of Interest - Public Infrastructure** Name: St Hildas Service Station Location: 304-308 Palatine Road, Manchester, M22 4FW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18SW (N)	433	8	383039 390388
211	**Points of Interest - Public Infrastructure** Name: Northenden Junction Location: M22 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	913	8	383562 389138

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
212	**Points of Interest - Public Infrastructure** Name: Bus Depot Location: M22 Category: Public Transport, Stations and Infrastructure Class Code: Bus and Coach Stations, Depots and Companies Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	971	8	383414 389016
213	**Points of Interest - Recreational and Environmental** Name: Play Area Location: M22 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	357	8	383176 390324

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
214	**Areas of Adopted Green Belt** Authority: Manchester City Council Plan Name: Proposals Map **Status: Adopted** Plan Date: 11th July 2012	A13NE (NE)	167	9	383233 390110
215	**Local Nature Reserves** Name: Stenner Woods And Milgate Fields, Didsbury Multiple Area: N Area (m2): 365692.22 Source: Natural England Designation Date: Not Supplied	A14SE (E)	726	12	383840 389729
216	**Local Nature Reserves** Name: Wythenshawe Park Multiple Area: N Area (m2): 854545.25 Source: Natural England Designation Date: Not Supplied	A12NW (W)	867	12	382263 389989

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Cheshire East Council - Environmental Health Department	April 2014	Annually
Stockport Metropolitan Borough Council - Environment Team (Land & Water)	December 2014	Annual Rolling Update
Macclesfield Borough Council (now part of Cheshire East Council) - Health and Public Safety	July 2008	Not Applicable
Environment Agency - Head Office	June 2020	Annually
Trafford Metropolitan Borough Council - Renewal and Environmental Protection	November 2013	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	July 2020	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	March 2013	Annual Rolling Update
Integrated Pollution Controls		
Environment Agency - North West Region	October 2008	Variable
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	July 2020	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department	February 2009	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Variable
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Variable
Cheshire East Council - Environmental Health Department	September 2014	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls		
Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department	February 2009	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	July 2015	Annual Rolling Update
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Annual Rolling Update
Manchester City Council - Environmental Health Department	September 2014	Annual Rolling Update
Cheshire East Council - Environmental Health Department	September 2014	Annually
Local Authority Pollution Prevention and Control Enforcements		
Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department	February 2009	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	October 2014	Variable
Trafford Metropolitan Borough Council - Environmental Health Department	October 2014	Variable
Cheshire East Council - Environmental Health Department	September 2014	Variable
Manchester City Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature		
Ordnance Survey	August 2020	
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	March 2013	Annual Rolling Update
Registered Radioactive Substances		
Scottish Environment Protection Agency - Head Office	January 1998	Not Applicable
Environment Agency - North West Region	June 2016	
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	July 2020	Quarterly
Water Abstractions Environment Agency - North West Region	July 2020	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2020	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2020	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	September 2020	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	September 2020	Quarterly
Flood Defences Environment Agency - Head Office	September 2020	Quarterly
OS Water Network Lines Ordnance Survey	June 2020	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	October 2019	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North West Region - South Area	July 2020	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North West Region - South Area	July 2020	Quarterly
Local Authority Landfill Coverage		
Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department	May 2000	Not Applicable
Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department	May 2000	Not Applicable
Manchester City Council - Planning Department	May 2000	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	May 2000	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Cheshire County Council (now part of Cheshire East Council) - Environmental Planning Department	February 2005	Not Applicable
Macclesfield Borough Council (now part of Cheshire East Council) - Environmental Health Department	May 2000	Not Applicable
Manchester City Council - Planning Department	May 2000	Not Applicable
Stockport Metropolitan Borough Council - Environmental Health Department, EEDD	May 2000	Not Applicable
Trafford Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North West Region - South Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Trafford Metropolitan Borough Council	April 2016	Variable
Macclesfield Borough Council (now part of Cheshire East Council) - Planning Department	December 2008	Not Applicable
Cheshire East Council - Planning Department	February 2016	Variable
Manchester City Council - Planning Department	February 2016	Variable
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Variable
Cheshire County Council (now part of Cheshire East Council) - Planning Department	July 2008	Annual Rolling Update
Planning Hazardous Substance Consents		
Trafford Metropolitan Borough Council	April 2016	Variable
Macclesfield Borough Council (now part of Cheshire East Council) - Planning Department	December 2008	Not Applicable
Cheshire East Council - Planning Department	February 2016	Variable
Manchester City Council - Planning Department	February 2016	Variable
Stockport Metropolitan Borough Council - Environment and Economic Development	February 2016	Variable
Cheshire County Council (now part of Cheshire East Council) - Planning Department	July 2008	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	June 2020	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability		
Ove Arup & Partners	October 2000	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	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2020	Quarterly
Gas Pipelines National Grid	September 2020	
Points of Interest - Commercial Services PointX	September 2020	Quarterly
Points of Interest - Education and Health PointX	September 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2020	Quarterly
Points of Interest - Public Infrastructure PointX	September 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2020	Quarterly
Underground Electrical Cables National Grid	August 2020	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	April 2020	Bi-Annually
Areas of Adopted Green Belt		
Cheshire East Council - Planning Department	June 2020	As notified
Macclesfield Borough Council (now part of Cheshire East Council)	June 2020	As notified
Manchester City Council	June 2020	As notified
Stockport Metropolitan Borough Council	June 2020	As notified
Trafford Metropolitan Borough Council	June 2020	As notified
Areas of Unadopted Green Belt		
Cheshire East Council - Planning Department	June 2020	As notified
Macclesfield Borough Council (now part of Cheshire East Council)	June 2020	As notified
Manchester City Council	June 2020	As notified
Stockport Metropolitan Borough Council	June 2020	As notified
Trafford Metropolitan Borough Council	June 2020	As notified
Areas of Outstanding Natural Beauty		
Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	April 2020	Bi-Annually
Marine Nature Reserves		
Natural England	July 2019	Bi-Annually
National Nature Reserves		
Natural England	July 2019	Bi-Annually
National Parks		
Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas		
Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Environment Agency - Head Office	December 2017	Bi-Annually
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites		
Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest		
Natural England	May 2020	Bi-Annually
Special Areas of Conservation		
Natural England	July 2020	Bi-Annually
Special Protection Areas		
Natural England	September 2020	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	**Scottish Environment Protection Agency - Head Office** Erskine Court, The Castle Business Park, Stirling, Stirlingshire, FK9 4TR	Telephone: 01786 457700 Fax: 01786 446885
5	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
6	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
7	**Manchester City Council - Planning Department** Town Hall, Manchester, Greater Manchester, M60 2LA	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
8	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
9	**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
10	**Stockport Metropolitan Borough Council** Hygarth House, 103 Wellington Road South, Stockport, Greater Manchester, SK1 3TP	Telephone: 0161 480 4949 Fax: 0161 477 9530 Website: www.stockport.gov.uk
11	**Trafford Metropolitan Borough Council** P O Box 14, Trafford Town Hall, Talbot Road, Stretford, Greater Manchester, M32 0YZ	Telephone: 0161 912 1212 Fax: 0161 873 7783 Website: www.trafford.gov.uk
12	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

Geology 1:50,000 Maps Legends

Superficial Geology

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

Bedrock and Faults

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

GEOCON

Geology 1:50,000 Maps

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

Geology 1:50,000 Maps Coverage

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

Geology 1:50,000 Maps - Slice A



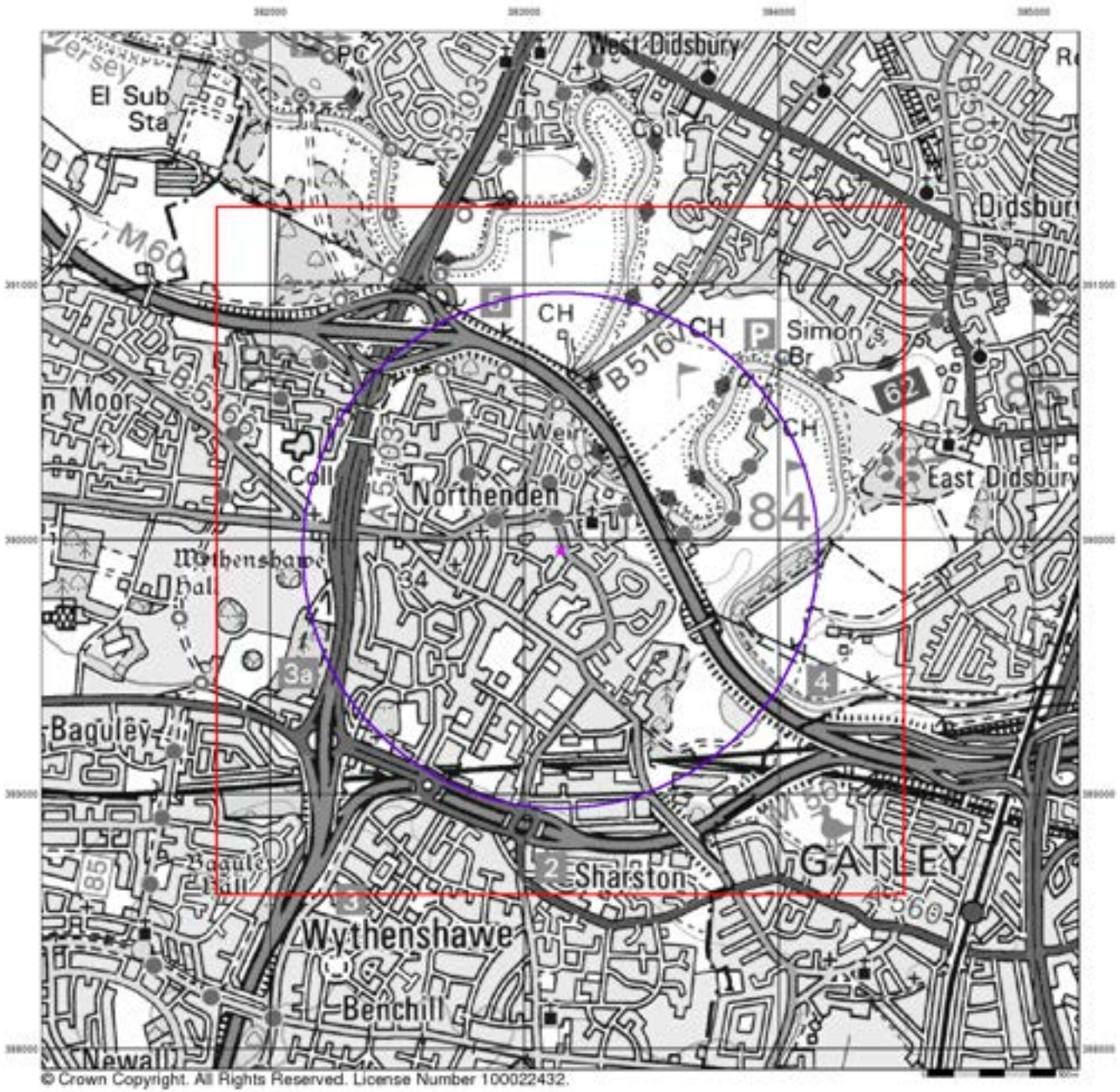


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Customer Reference:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details:

Dukefield Street, Manchester, M22 4NG



GEOCON

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

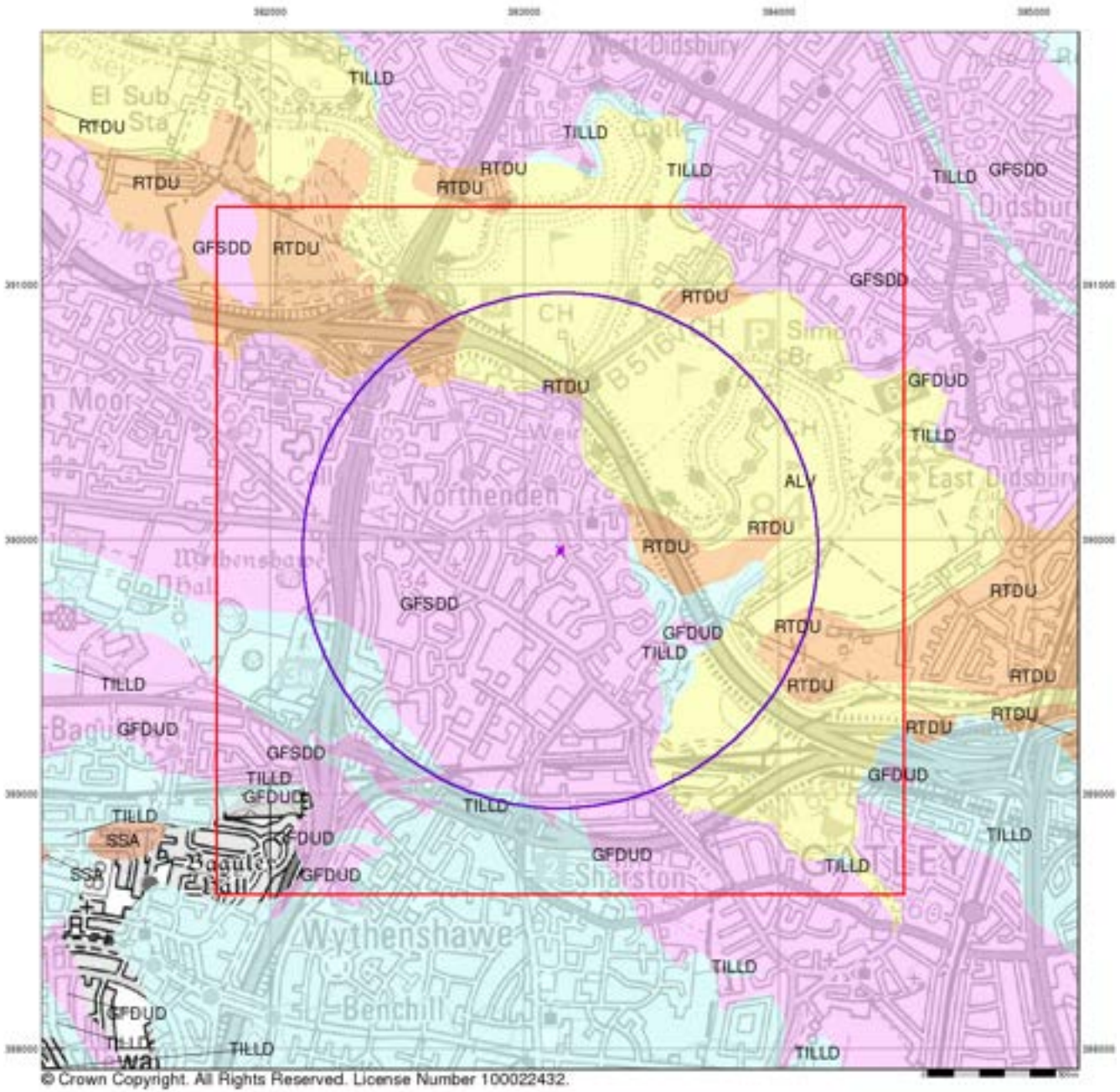


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GEOCON

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



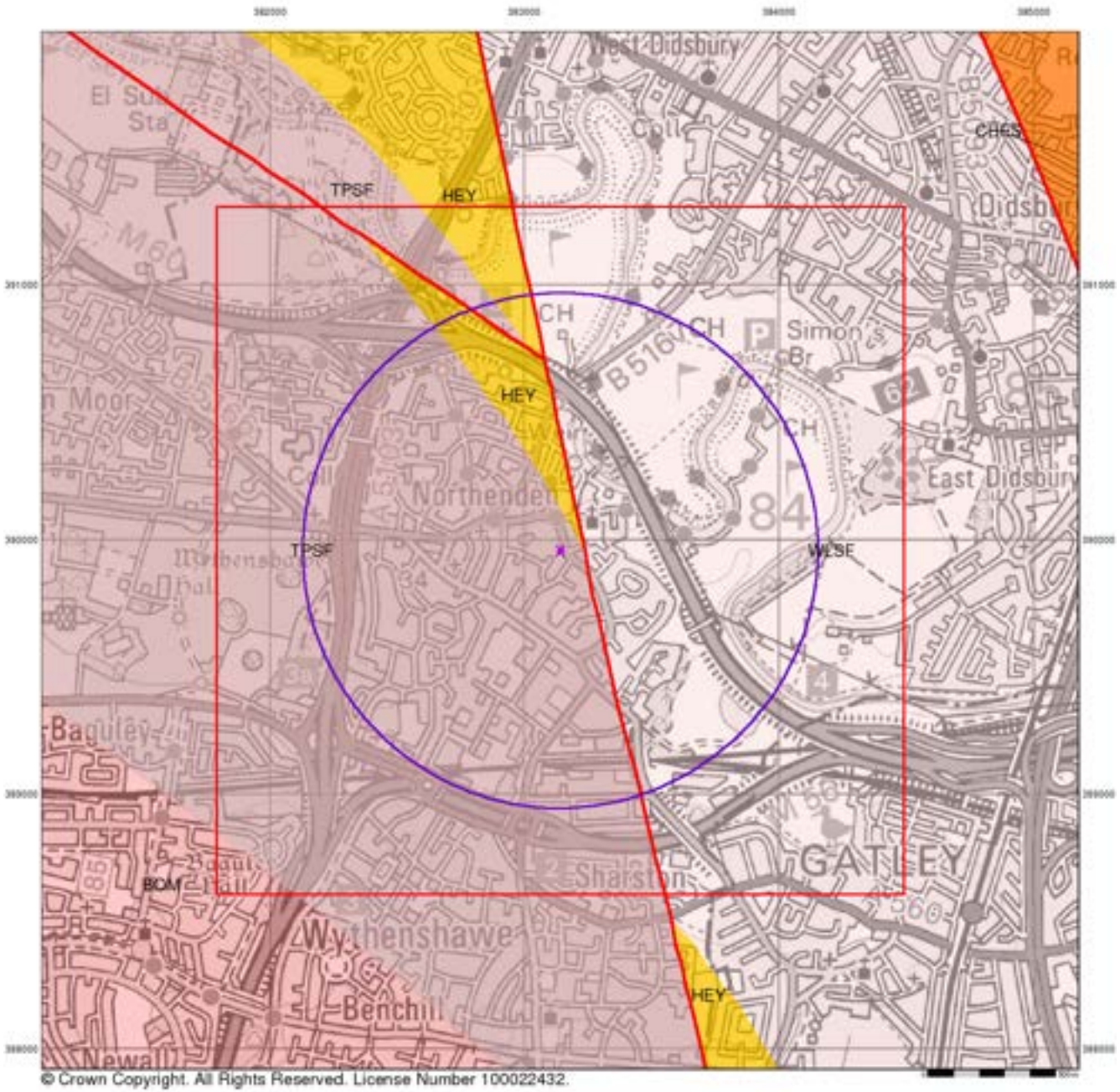
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National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
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GEOCON

Bedrock and Faults

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

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

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

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

Bedrock and Faults Map - Slice A



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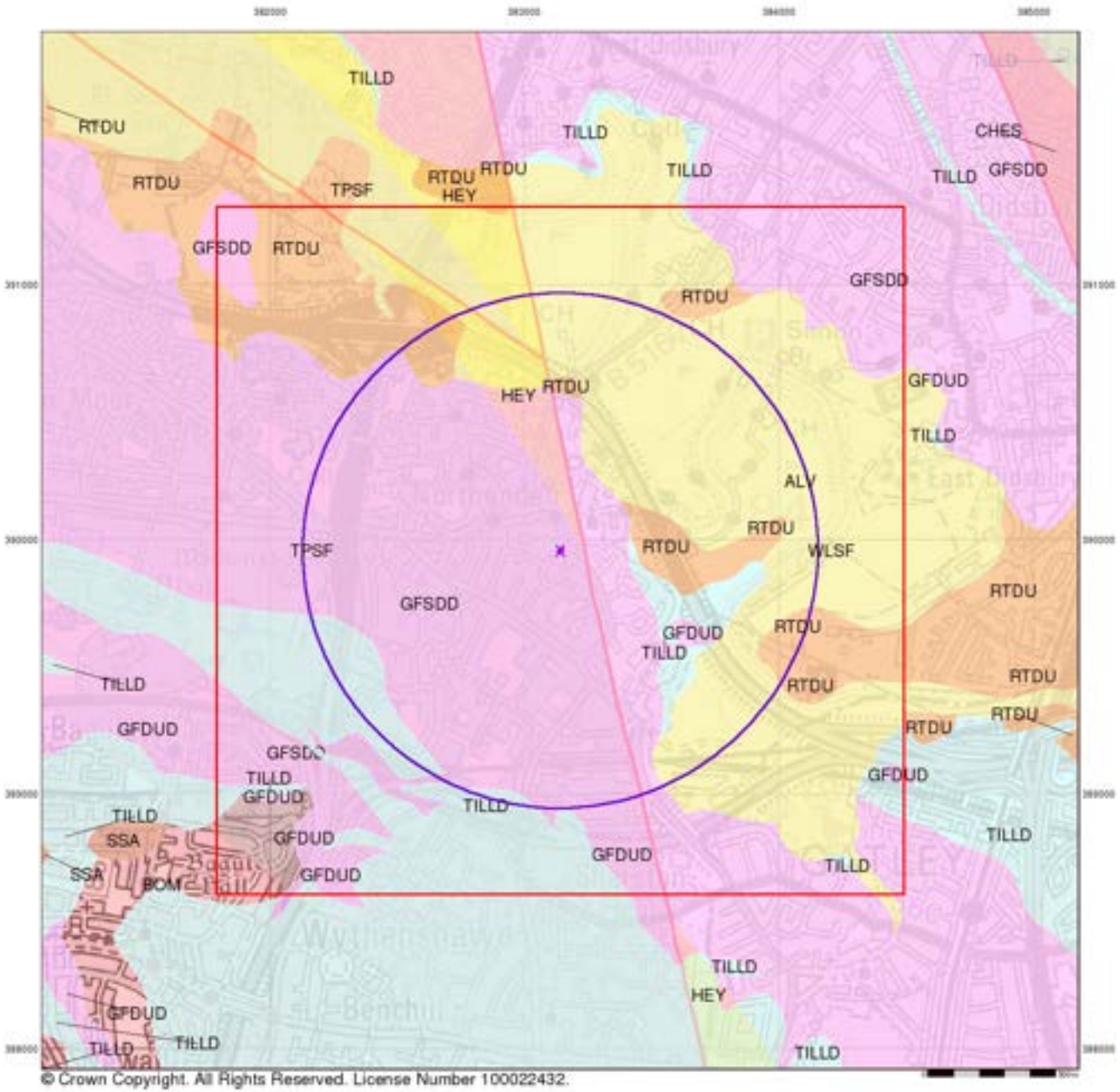
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GEOCON

Combined Surface Geology

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

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

Additional Information

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

Contact

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

Combined Geology Map - Slice A



Order Details:

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Site Details:

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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Ordnance Survey Plan 1:10,000

1:10,000 Raster Mapping

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894 - 1895	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1911	7
Cheshire	1:10,560	1911	8
Cheshire	1:10,560	1911	9
Cheshire	1:10,560	1911	10
Lancashire And Furness	1:10,560	1923	11
Lancashire And Furness	1:10,560	1934 - 1935	12
Lancashire And Furness	1:10,560	1935 - 1938	13
Cheshire	1:10,560	1938	14
Ordnance Survey Plan	1:10,000	1954 - 1955	15
Ordnance Survey Plan	1:10,000	1966 - 1967	16
Manchester	1:25,000	1975	17
Ordnance Survey Plan	1:10,000	1977	18
Ordnance Survey Plan	1:10,000	1981	19
Ordnance Survey Plan	1:10,000	1989	20
Ordnance Survey Plan	1:10,000	1990	21
Ordnance Survey Plan	1:10,000	1996	22
10K Raster Mapping	1:10,000	1999	23
10K Raster Mapping	1:10,000	2006	24
VectorMap Local	1:10,000	2020	25

Historical Map - Slice A

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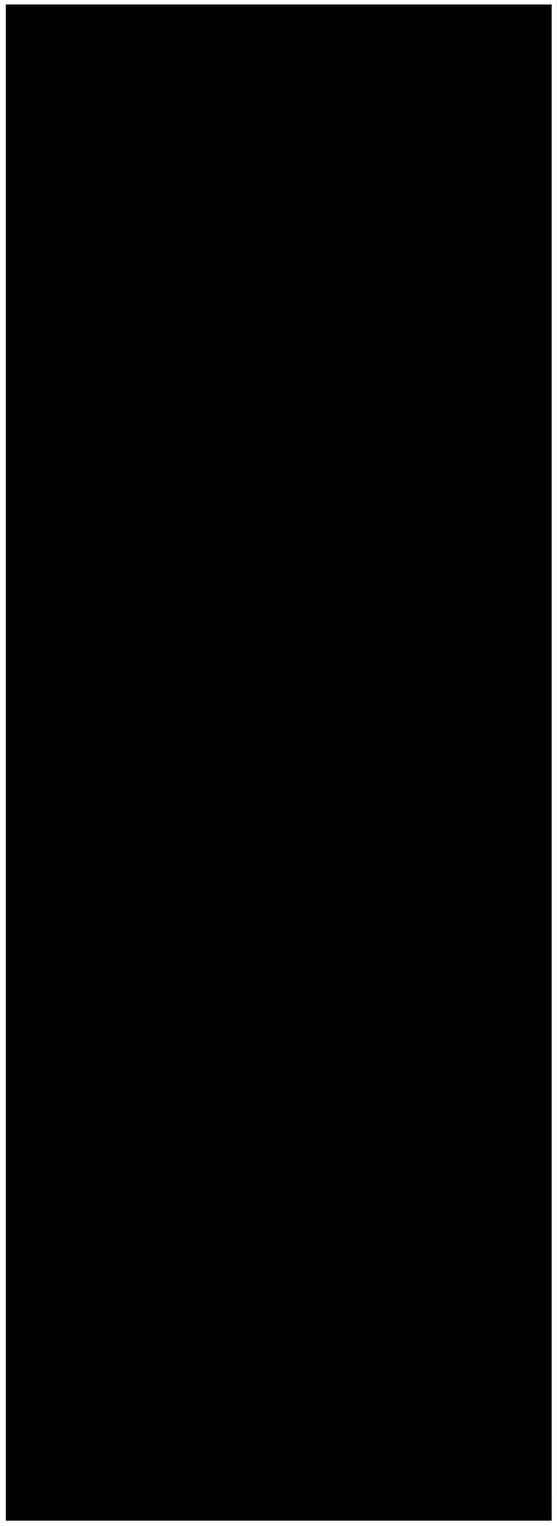
Site Details

Dukefield Street, Manchester, M22 4NG

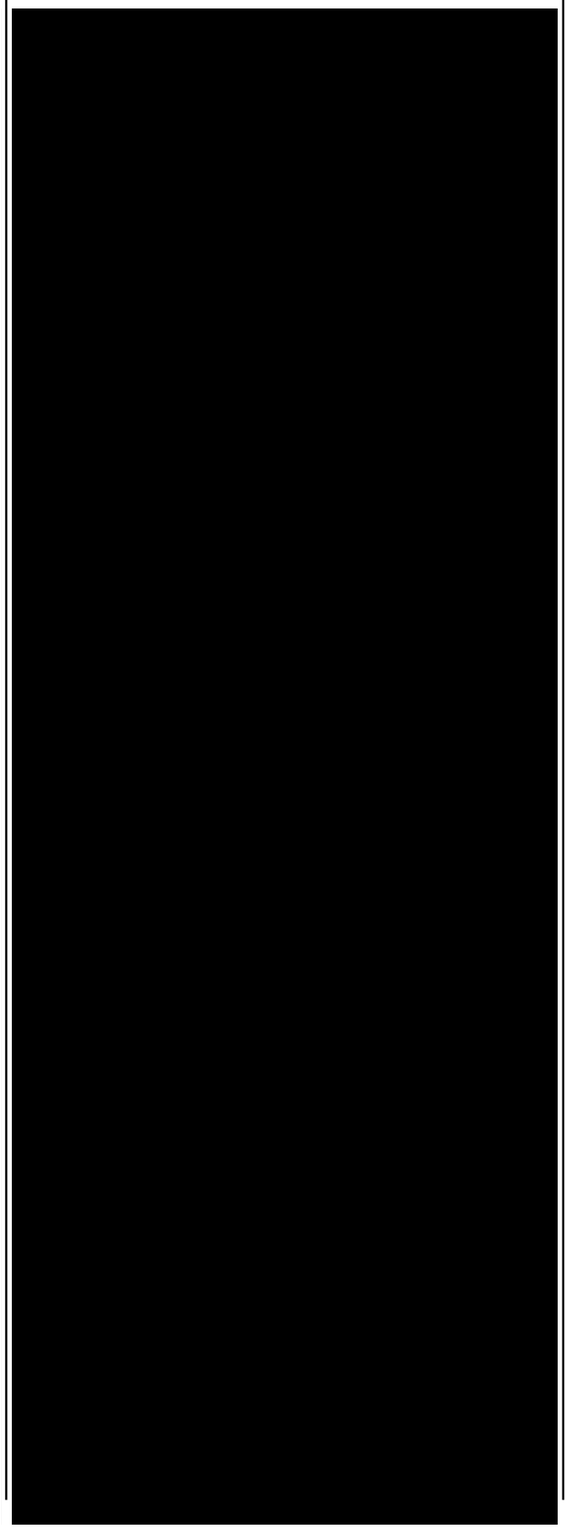
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Web: www.envirocheck.co.uk

Russian Military Mapping Legends

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



1:25,000 mapping



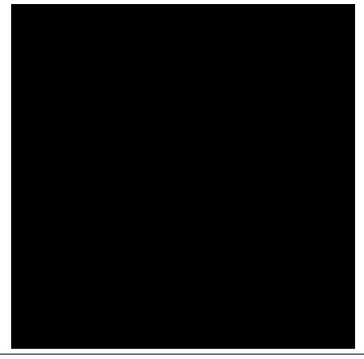
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
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Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894 - 1895	5
Cheshire	1:10,560	1899	6
Lancashire And Furness	1:10,560	1911	7
Cheshire	1:10,560	1911	8
Cheshire	1:10,560	1911	9
Cheshire	1:10,560	1911	10
Lancashire And Furness	1:10,560	1923	11
Lancashire And Furness	1:10,560	1934 - 1935	12
Lancashire And Furness	1:10,560	1935 - 1938	13
Cheshire	1:10,560	1938	14
Ordnance Survey Plan	1:10,000	1954 - 1955	15
Ordnance Survey Plan	1:10,000	1966 - 1967	16
Manchester	1:25,000	1975	17
Ordnance Survey Plan	1:10,000	1977	18
Ordnance Survey Plan	1:10,000	1981	19
Ordnance Survey Plan	1:10,000	1989	20
Ordnance Survey Plan	1:10,000	1990	21
Ordnance Survey Plan	1:10,000	1996	22
10K Raster Mapping	1:10,000	1999	23
10K Raster Mapping	1:10,000	2006	24
VectorMap Local	1:10,000	2020	25

Russian Map - Slice A





Order Details

Order Number: 265732162_1_1
Customer Ref: GSI 1382
National Grid Reference: 383140, 389960
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Site Details

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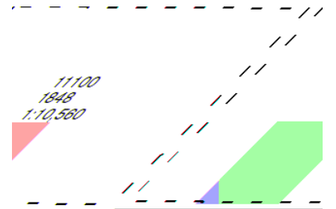
Lancashire And Furness

Published 1848

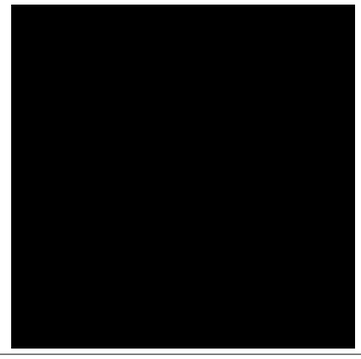
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	265732162_1_1
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Site Details

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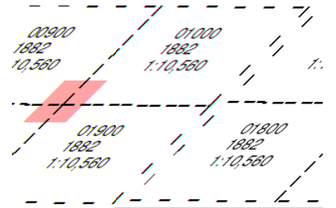
Cheshire

Published 1882

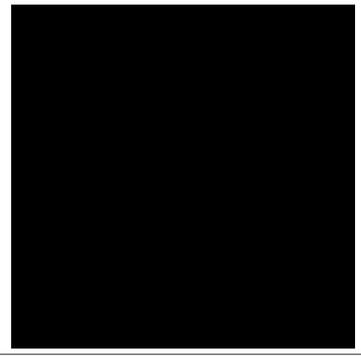
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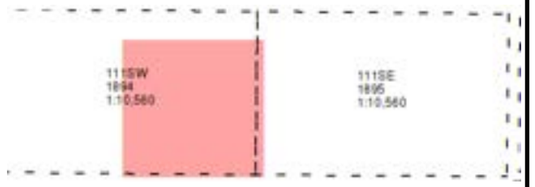
Lancashire And Furness

Published 1894 - 1895

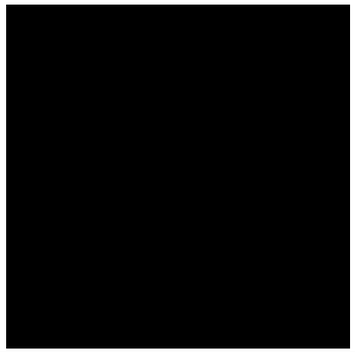
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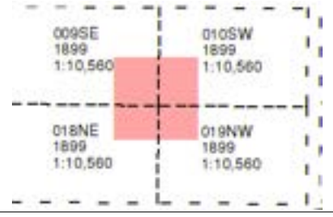
Cheshire

Published 1899

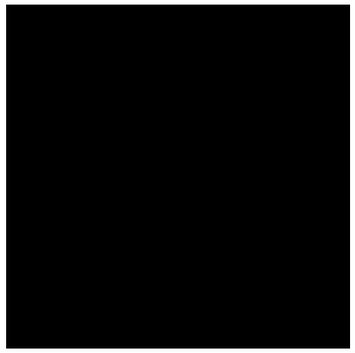
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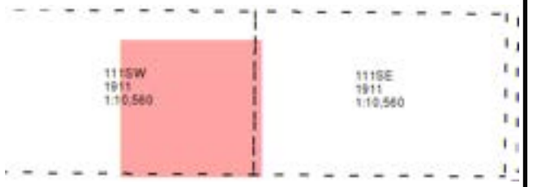
Lancashire And Furness

Published 1911

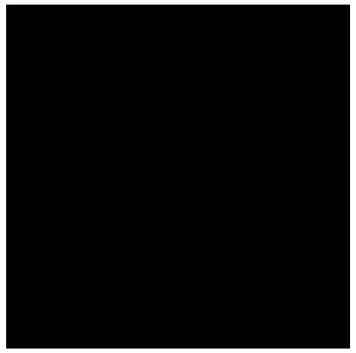
Source map scale - 1:10,560

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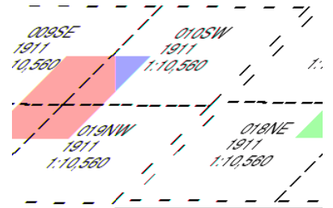
Cheshire

Published 1911

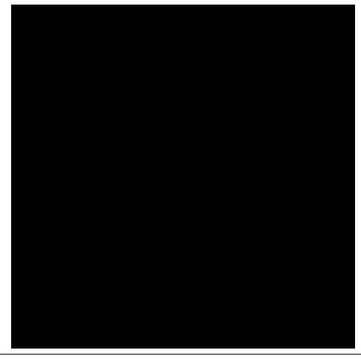
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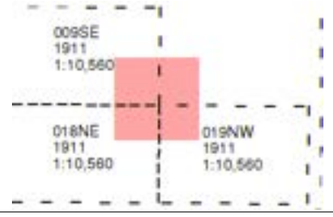
Cheshire

Published 1911

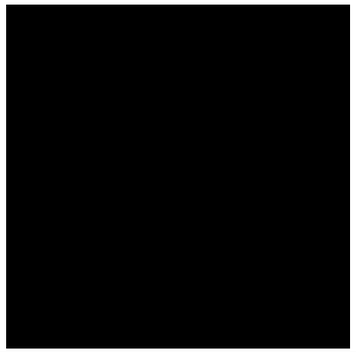
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Order Number:	265732162_1_1
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National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

Dukefield Street, Manchester, M22 4NG

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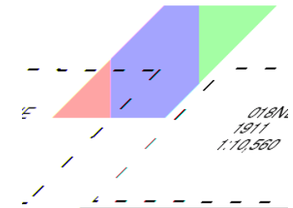
Cheshire

Published 1911

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.

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Landmark INFORMATION GROUP

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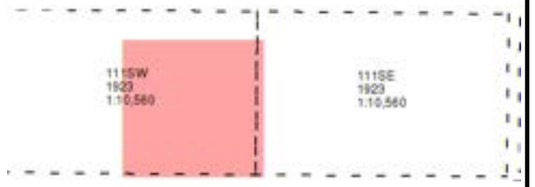
Lancashire And Furness

Published 1923

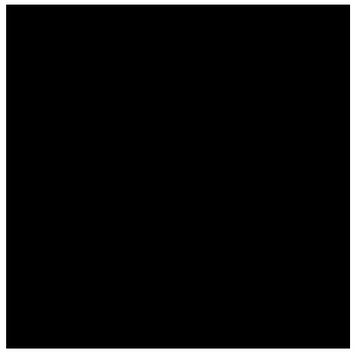
Source map scale - 1:10,560

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

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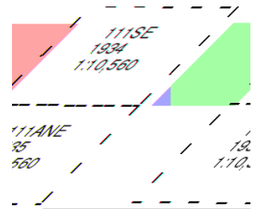
Lancashire And Furness

Published 1934 - 1935

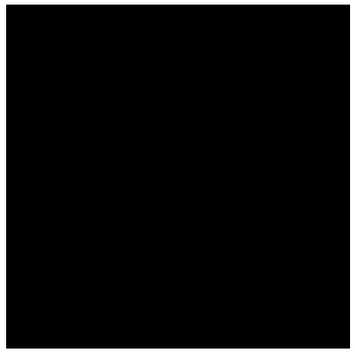
Source map scale - 1:10,560

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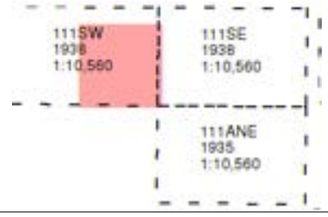
Lancashire And Furness

Published 1935 - 1938

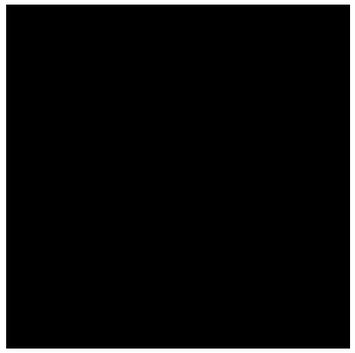
Source map scale - 1:10,560

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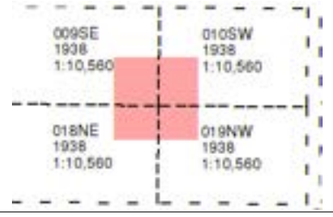
Cheshire

Published 1938

Source map scale - 1:10,560

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

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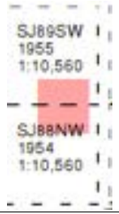
Ordnance Survey Plan

Published 1954 - 1955

Source map scale - 1:10,000

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

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Historical Map - Slice A

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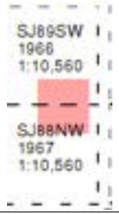
Ordnance Survey Plan

Published 1966 - 1967

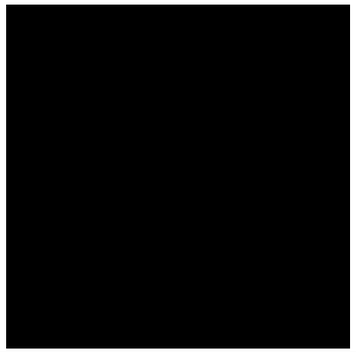
Source map scale - 1:10,000

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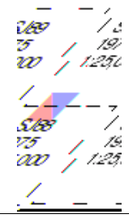
Manchester

Published 1975

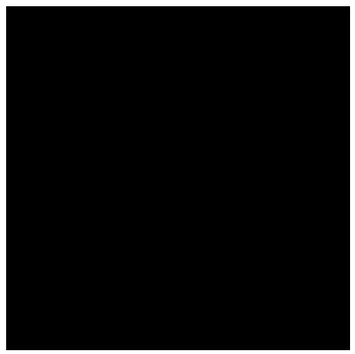
Source map scale - 1:25,000

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

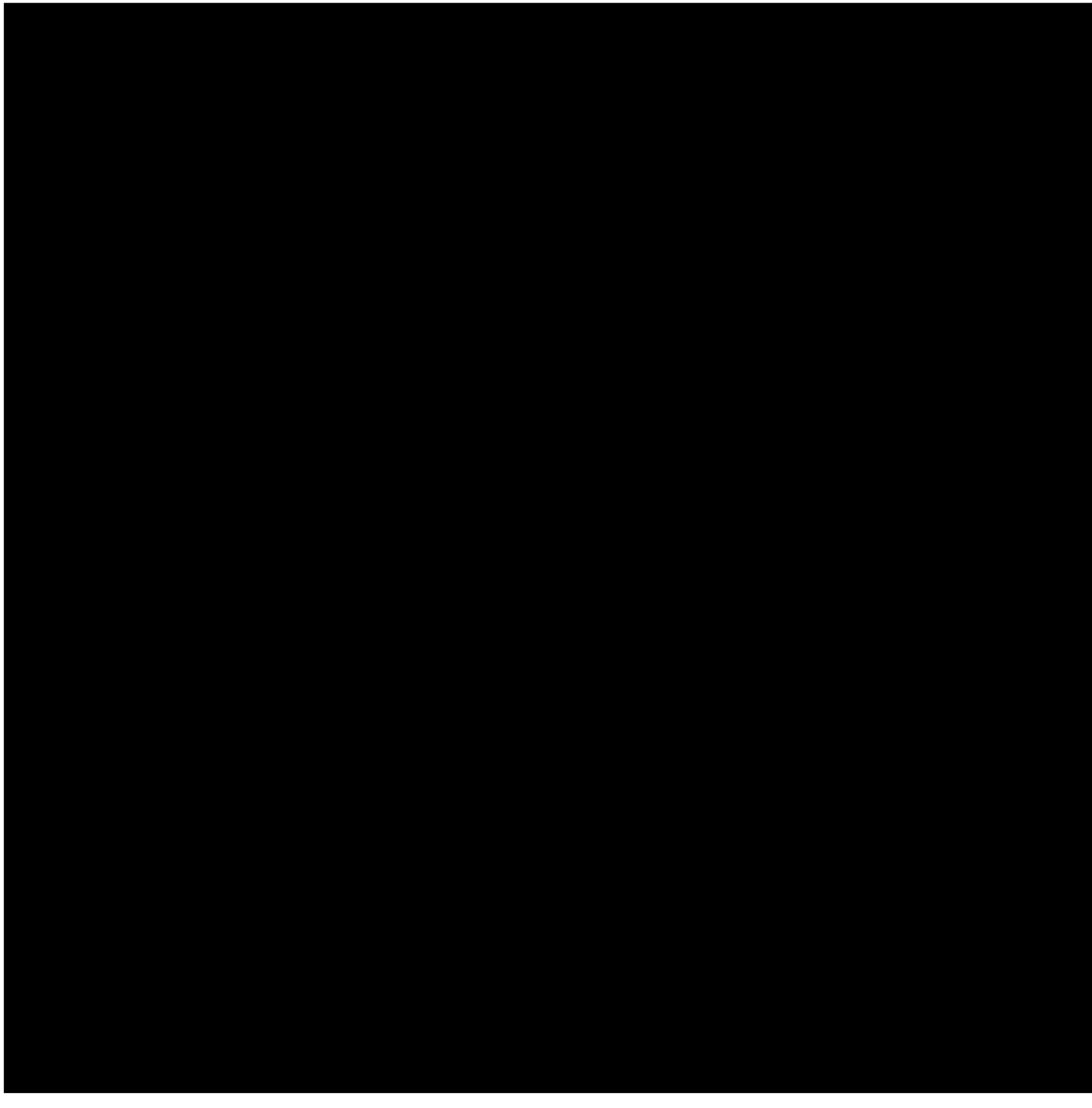


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Site Details

Dukefield Street, Manchester, M22 4NG





Ordnance Survey Plan

Published 1977

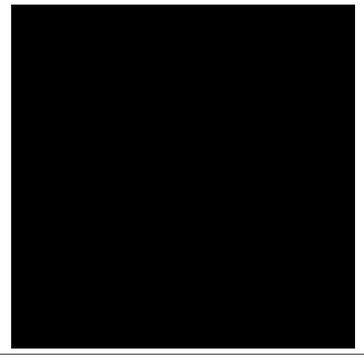
Source map scale - 1:10,000

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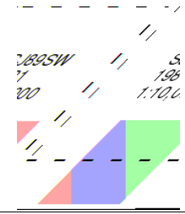
Ordnance Survey Plan

Published 1981

Source map scale - 1:10,000

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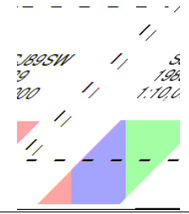
Ordnance Survey Plan

Published 1989

Source map scale - 1:10,000

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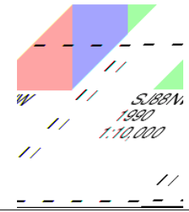
Ordnance Survey Plan

Published 1990

Source map scale - 1:10,000

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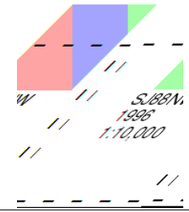
Ordnance Survey Plan

Published 1996

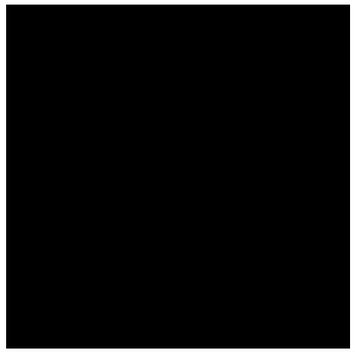
Source map scale - 1:10,000

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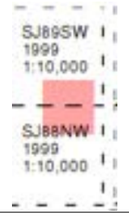
10k Raster Mapping

Published 1999

Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

[redacted]



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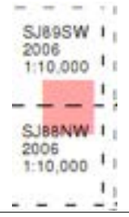
10k Raster Mapping

Published 2006

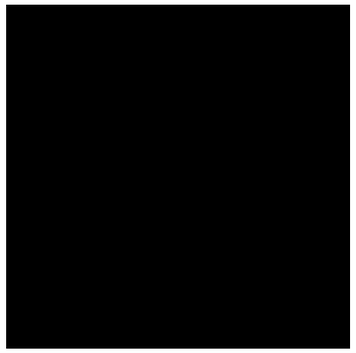
Source map scale - 1:10,000

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Dukefield Street, Manchester, M22 4NG

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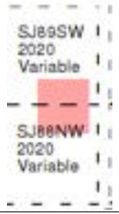
VectorMap Local

Published 2020

Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

[redacted]



Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

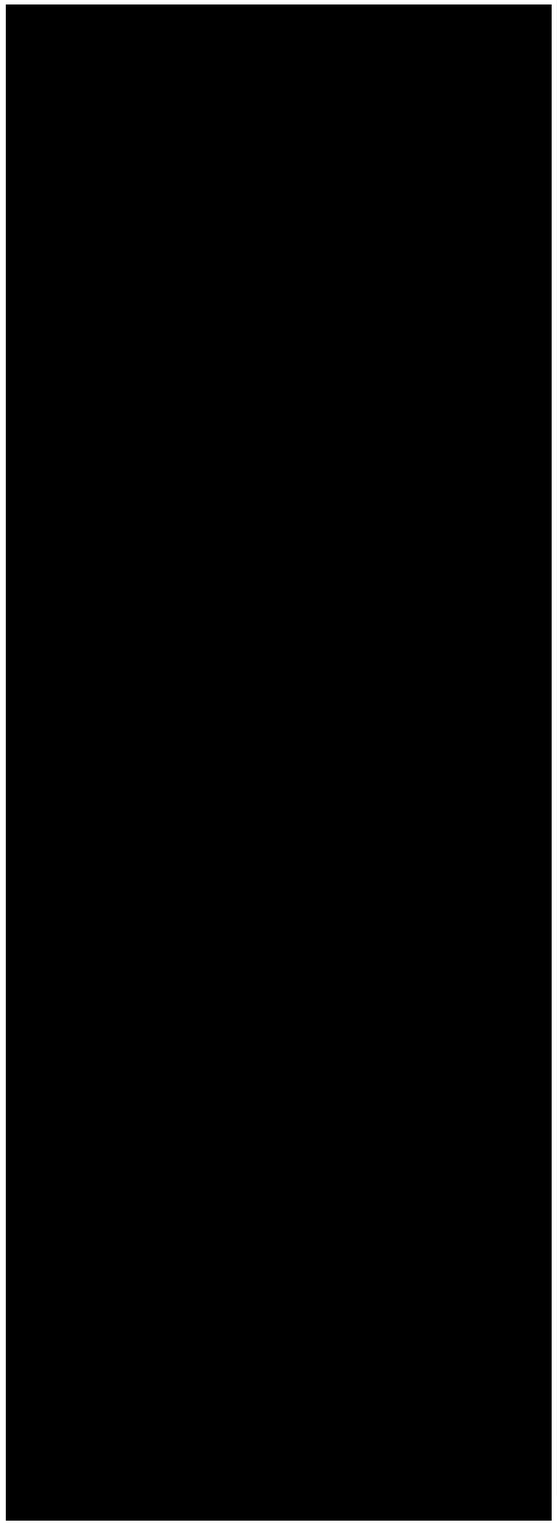
Dukefield Street, Manchester, M22 4NG

Landmark INFORMATION GROUP

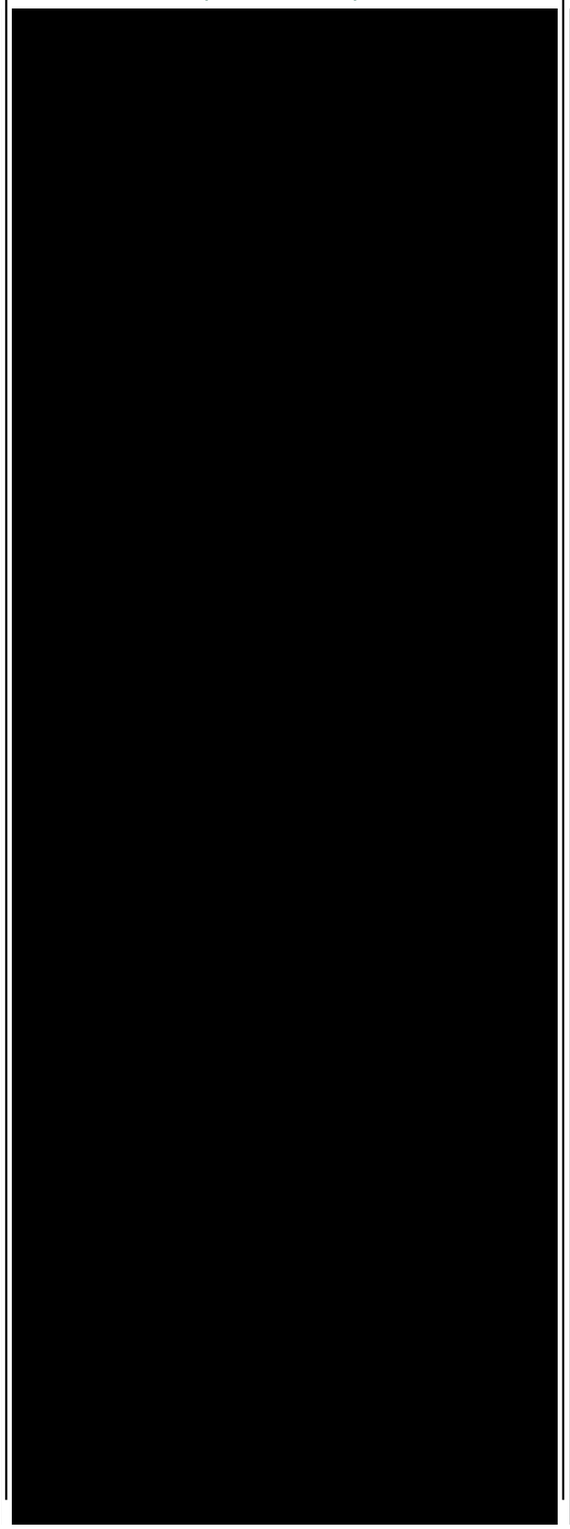
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

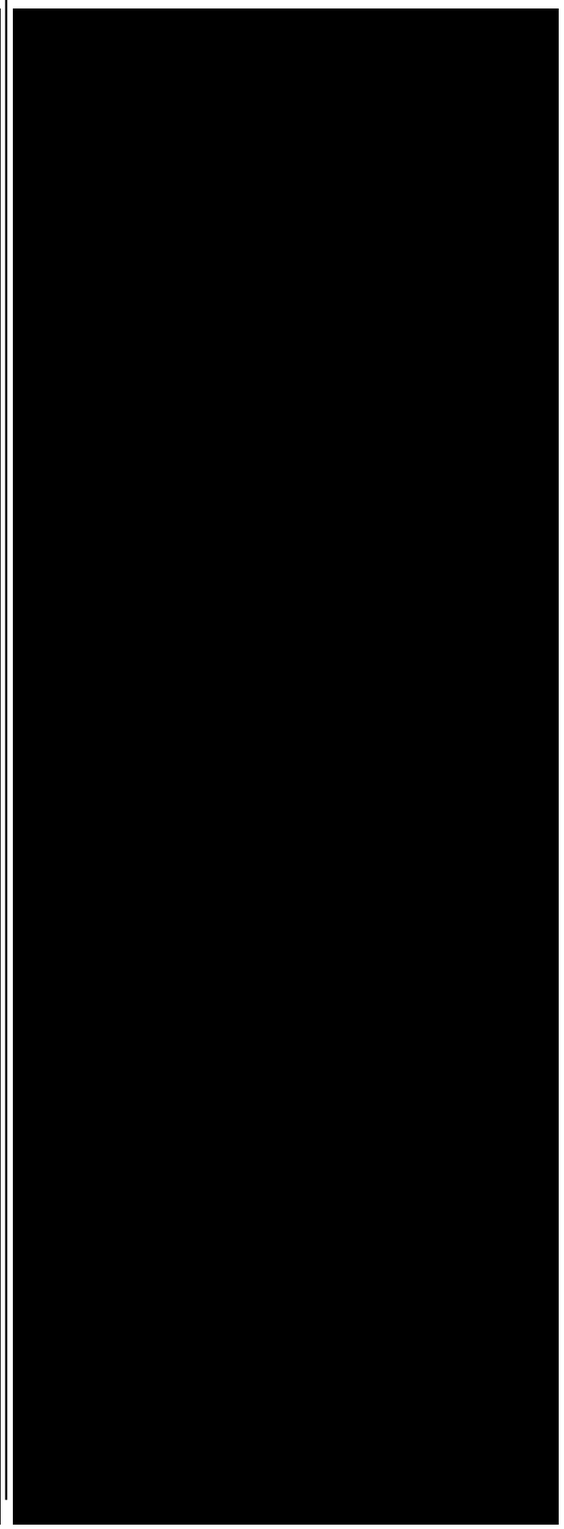
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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

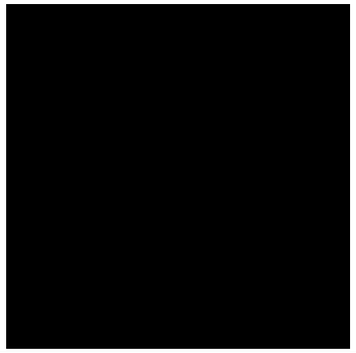


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Cheshire	1:2,500	1872 - 1878	2
Lancashire And Furness	1:2,500	1893 - 1894	3
Cheshire	1:2,500	1898	4
Lancashire And Furness	1:2,500	1907	5
Cheshire	1:2,500	1910	6
Lancashire And Furness	1:2,500	1922	7
Lancashire And Furness	1:2,500	1934 - 1935	8
Ordnance Survey Plan	1:1,250	1955 - 1959	9
Ordnance Survey Plan	1:2,500	1956 - 1961	10
Ordnance Survey Plan	1:1,250	1959 - 1989	11
Ordnance Survey Plan	1:2,500	1961	12
Ordnance Survey Plan	1:1,250	1967	13
Additional SIMs	1:1,250	1967 - 1992	14
Supply of Unpublished Survey Information	1:1,250	1975	15
Additional SIMs	1:1,250	1984 - 1989	16
Large-Scale National Grid Data	1:1,250	1992	17
Additional SIMs	1:1,250	1992	18
Large-Scale National Grid Data	1:1,250	1996	19
Historical Aerial Photography	1:2,500	2000	20

Historical Map - Segment A13





Order Details

Order Number: 265732162_1_1
Customer Ref: GSI 1382
National Grid Reference: 383140, 389960
Slice: A
Site Area (Ha): 0.03
Search Buffer (m): 100

Site Details

Dukefield Street, Manchester, M22 4NG

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

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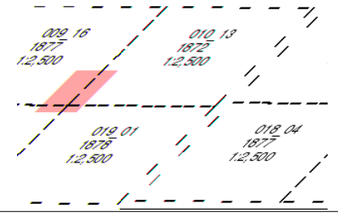
Cheshire

Published 1872 - 1878

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

[redacted]



Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
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Site Area (Ha):	0.03
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Site Details

Dukefield Street, Manchester, M22 4NG

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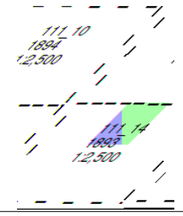
Lancashire And Furness

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)



Historical Map - Segment A13

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Order Details

Order Number:	265732162_1_1
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Site Details

Dukefield Street, Manchester, M22 4NG

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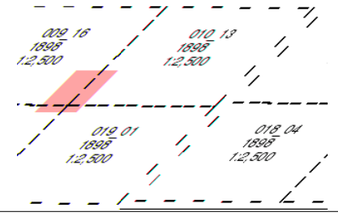
Cheshire

Published 1898

Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

[redacted]



Order Details

Order Number:	265732162_1_1
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Site Details

Dukefield Street, Manchester, M22 4NG

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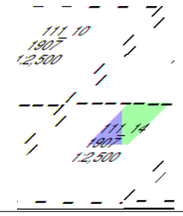
Lancashire And Furness

Published 1907

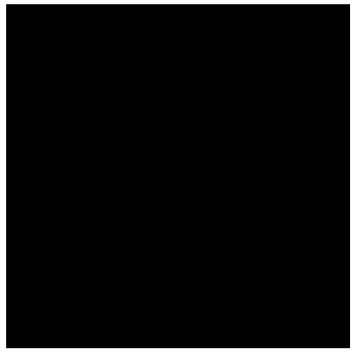
Source map scale - 1:2,500

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



Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
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Site Details

Dukefield Street, Manchester, M22 4NG

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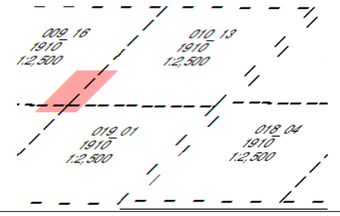
Cheshire

Published 1910

Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13

[redacted]



Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
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Site Details

Dukefield Street, Manchester, M22 4NG

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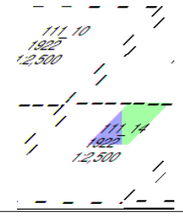
Lancashire And Furness

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

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Order Details

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Customer Ref:	GSI 1382
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Site Details

Dukefield Street, Manchester, M22 4NG

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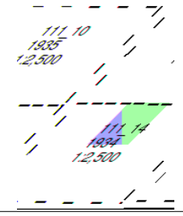
Lancashire And Furness

Published 1934 - 1935

Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

[redacted]



Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
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Site Details

Dukefield Street, Manchester, M22 4NG

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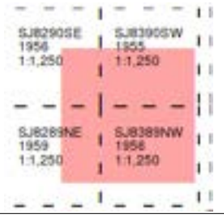
Ordnance Survey Plan

Published 1955 - 1959

Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

[redacted]



Order Details

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Site Details

Dukefield Street, Manchester, M22 4NG

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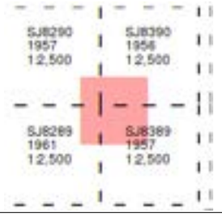
Ordnance Survey Plan

Published 1956 - 1961

Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

[redacted]



Order Details

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Site Details

Dukefield Street, Manchester, M22 4NG

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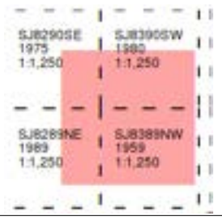
Ordnance Survey Plan

Published 1959 - 1989

Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13

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Order Details

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Site Details

Dukefield Street, Manchester, M22 4NG

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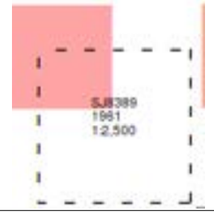
Ordnance Survey Plan

Published 1961

Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13

[redacted]



Order Details

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Site Details

Dukefield Street, Manchester, M22 4NG

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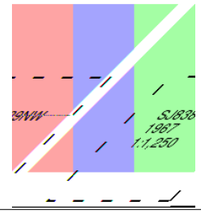
Ordnance Survey Plan

Published 1967

Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

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Order Details

Order Number:	265732162_1_1
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Site Details

Dukefield Street, Manchester, M22 4NG

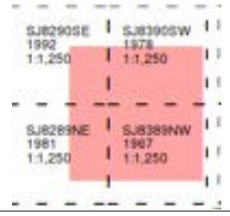
Additional SIMs

Published 1967 - 1992

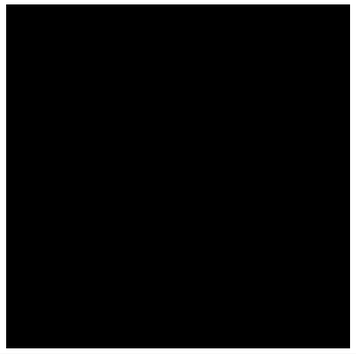
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Customer Ref:	GSI 1382
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Site Details

Dukefield Street, Manchester, M22 4NG

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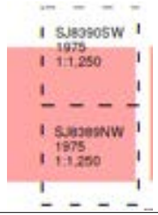
Supply of Unpublished Survey Information

Published 1975

Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	265732162_1_1
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Site Details

Dukefield Street, Manchester, M22 4NG

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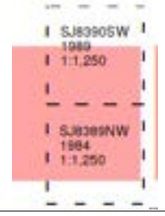
Additional SIMs

Published 1984 - 1989

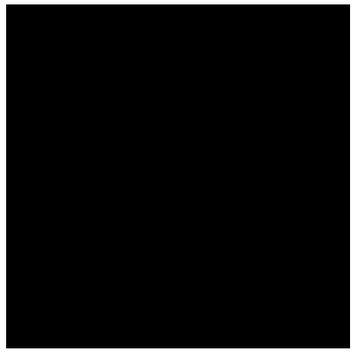
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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Site Details

Dukefield Street, Manchester, M22 4NG

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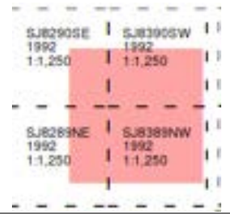
Large-Scale National Grid Data

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

[redacted]



Order Details

Order Number:	265732162_1_1
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Site Details

Dukefield Street, Manchester, M22 4NG

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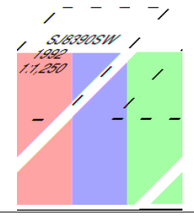
Additional SIMs

Published 1992

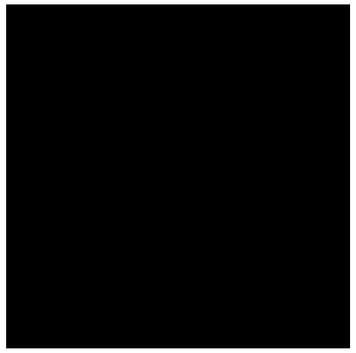
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

Dukefield Street, Manchester, M22 4NG

[redacted]

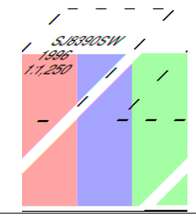
Large-Scale National Grid Data

Published 1996

Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13

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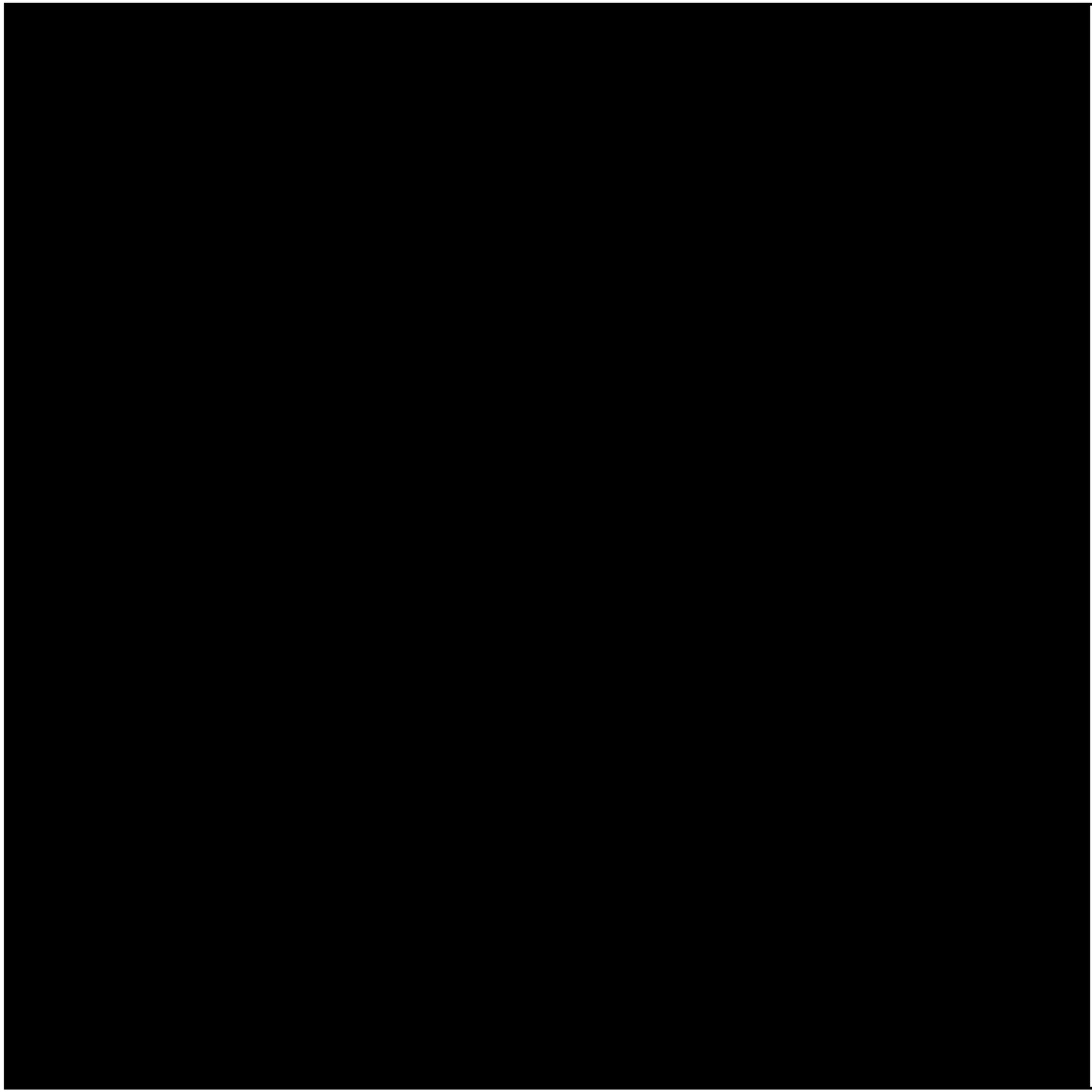


Order Details

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Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

Site Details

Dukefield Street, Manchester, M22 4NG



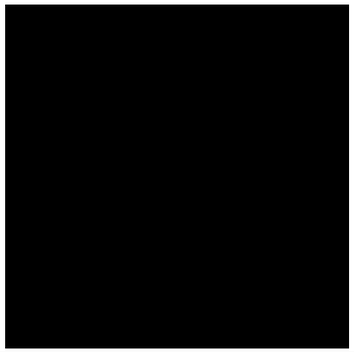


Historical Aerial Photography

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:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	100

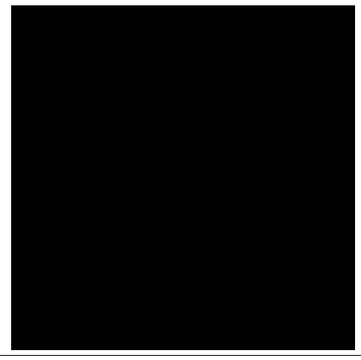
Site Details

Dukefield Street, Manchester, M22 4NG

Landmark INFORMATION GROUP

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

Site Sensitivity Map - Slice A





Order Details

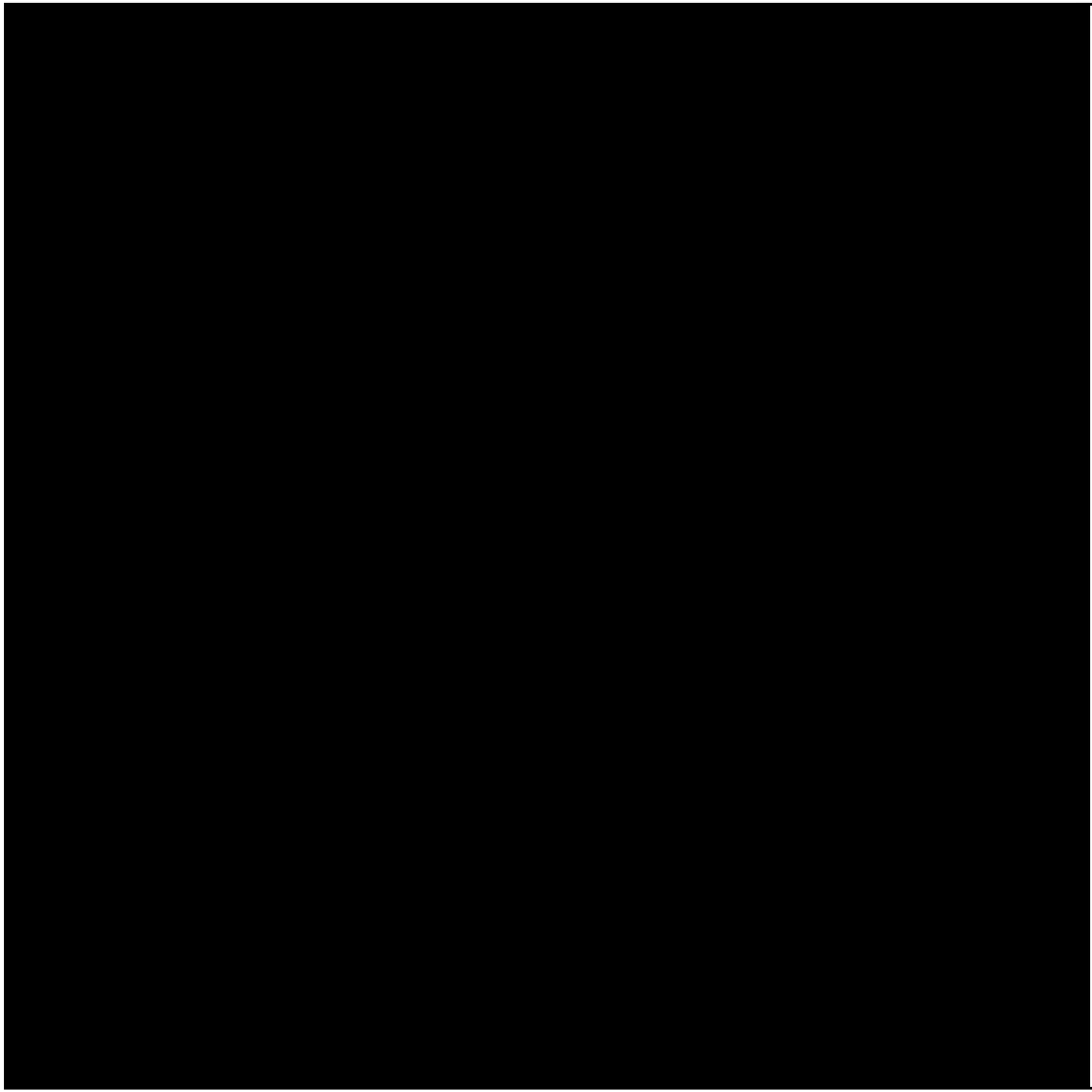
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Site Details

Dukefield Street, Manchester, M22 4NG

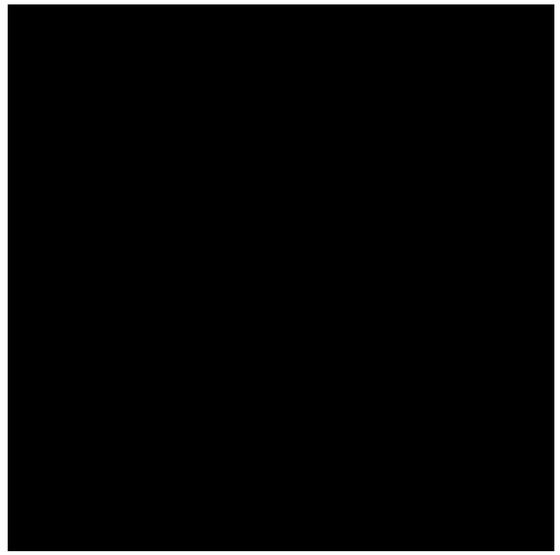
Landmark INFORMATION GROUP

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

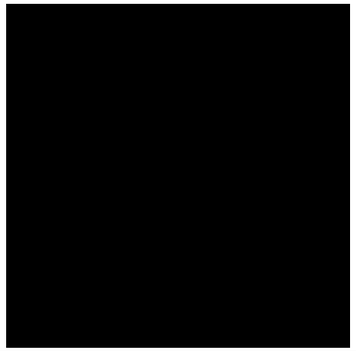




Industrial Land Use Map



Industrial Land Use Map - Slice A





Order Details

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Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
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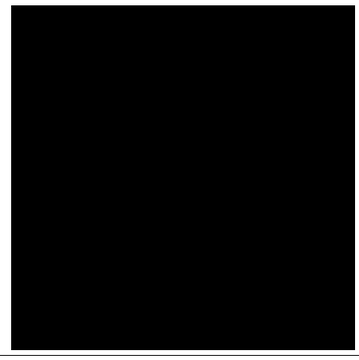
Site Details

Dukefield Street, Manchester, M22 4NG

Landmark INFORMATION GROUP

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

Flood Map - Slice A





Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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Web: www.envirocheck.co.uk

[redacted]

[redacted]

[redacted]

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

[redacted]



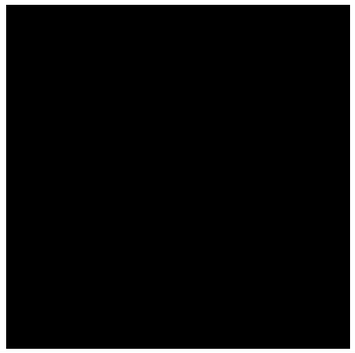
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Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

Dukefield Street, Manchester, M22 4NG

OS Water Network Map - Slice A





Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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[redacted]

[redacted]

[redacted]

EA/NRW Suitability Map - Slice A

[redacted]



Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
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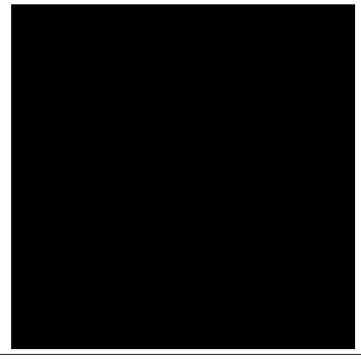
Site Details

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

Site Sensitivity Map - Segment A13





Order Details

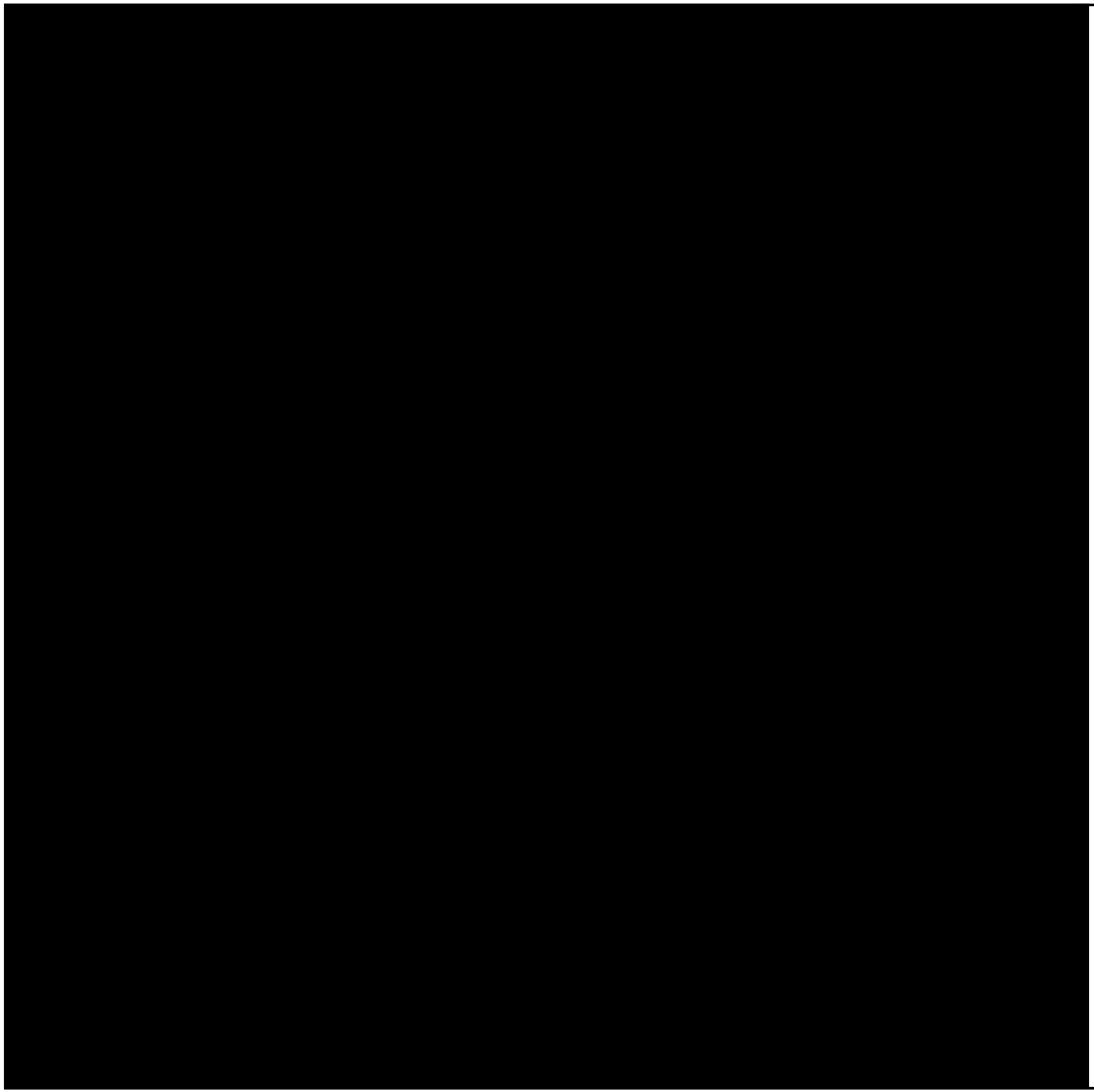
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Site Details

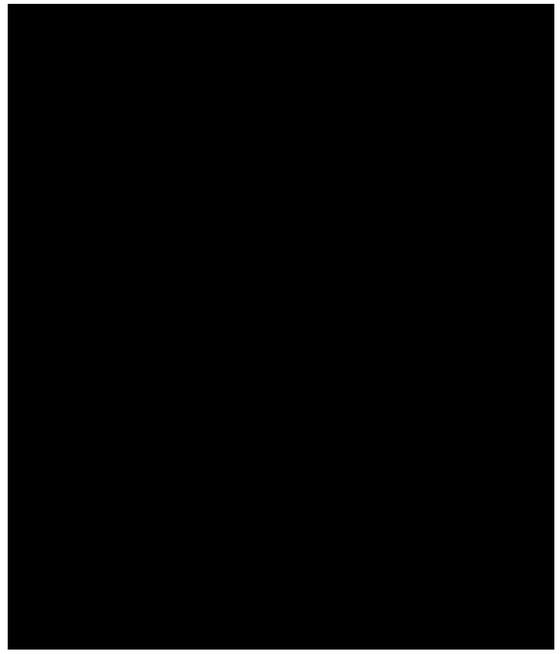
Dukefield Street, Manchester, M22 4NG

Landmark INFORMATION GROUP

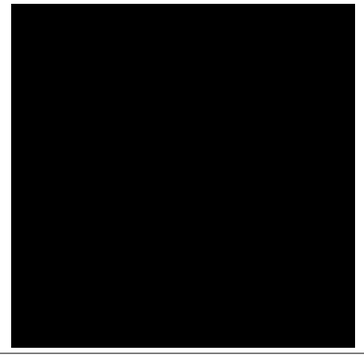
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk







Estimated Soil Chemistry Arsenic - Slice A





Order Details

Order Details:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
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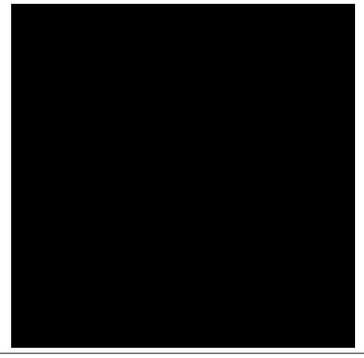
Site Details

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Web: www.envirocheck.co.uk

Estimated Soil Chemistry Cadmium - Slice A





Order Details

Order Details:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
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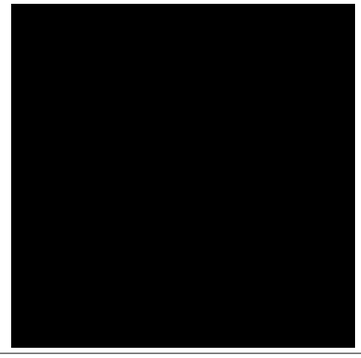
Site Details

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Landmark INFORMATION GROUP

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

Estimated Soil Chemistry Chromium - Slice A



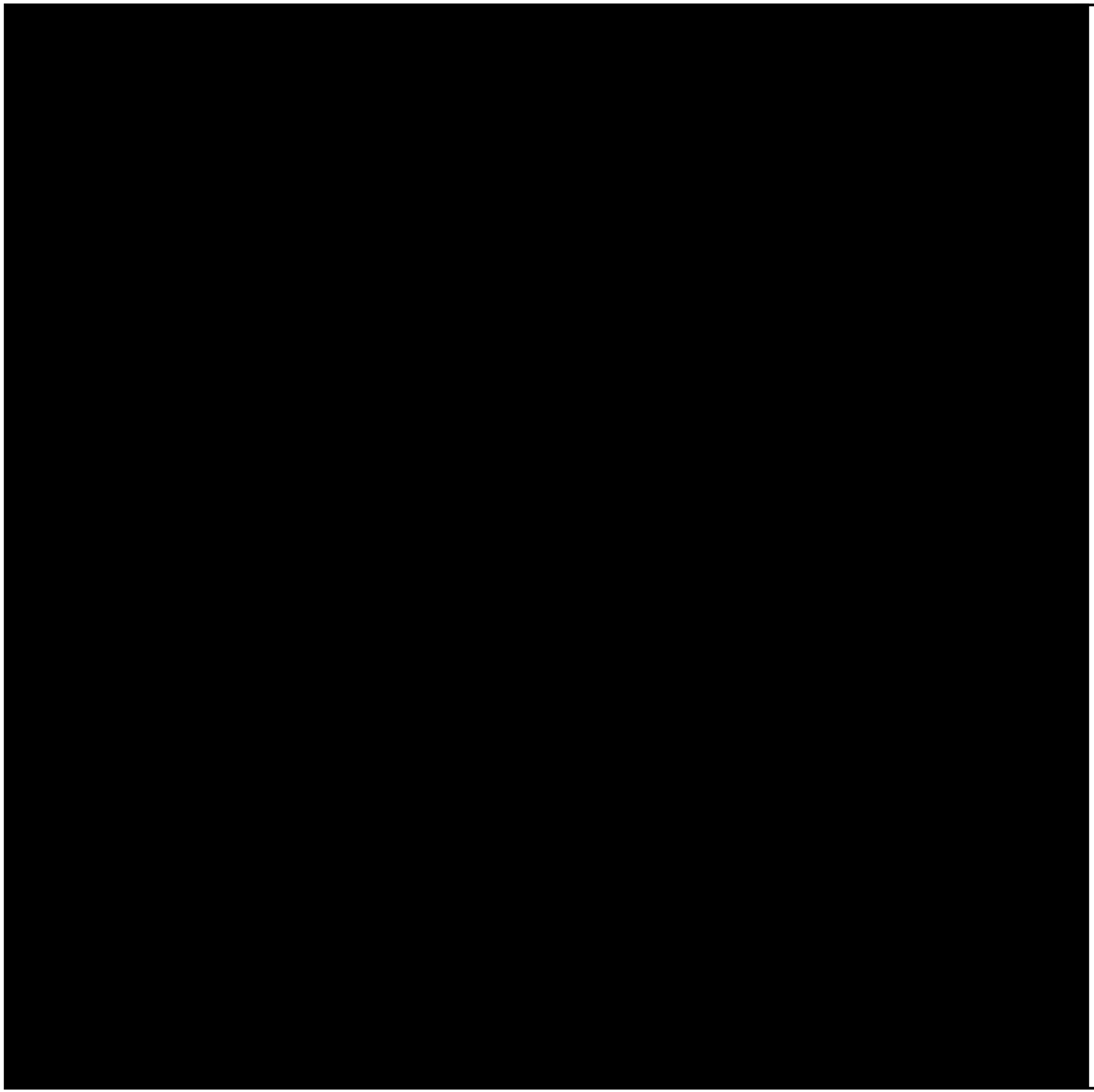


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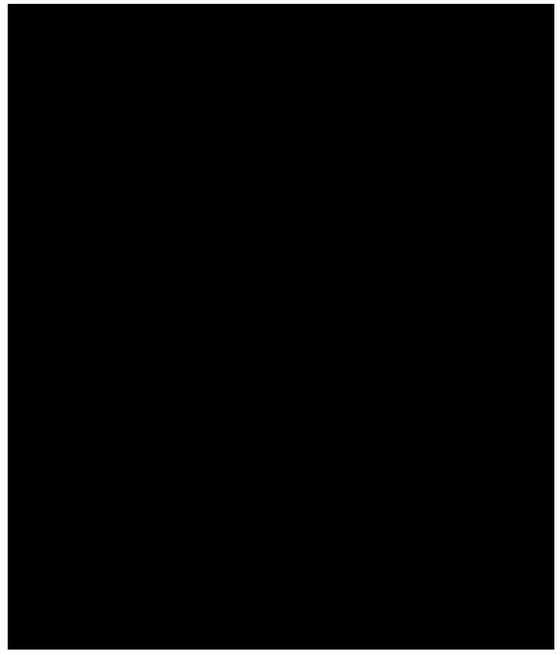
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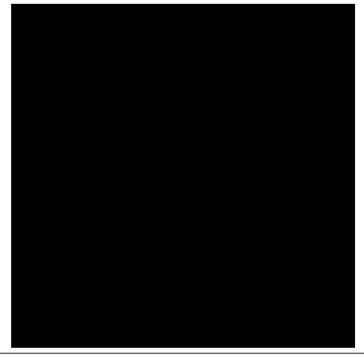
Dukefield Street, Manchester, M22 4NG







Estimated Soil Chemistry Lead - Slice A





Order Details

Order Details:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

Dukefield Street, Manchester, M22 4NG

Estimated Soil Chemistry Nickel - Slice A

Order Details

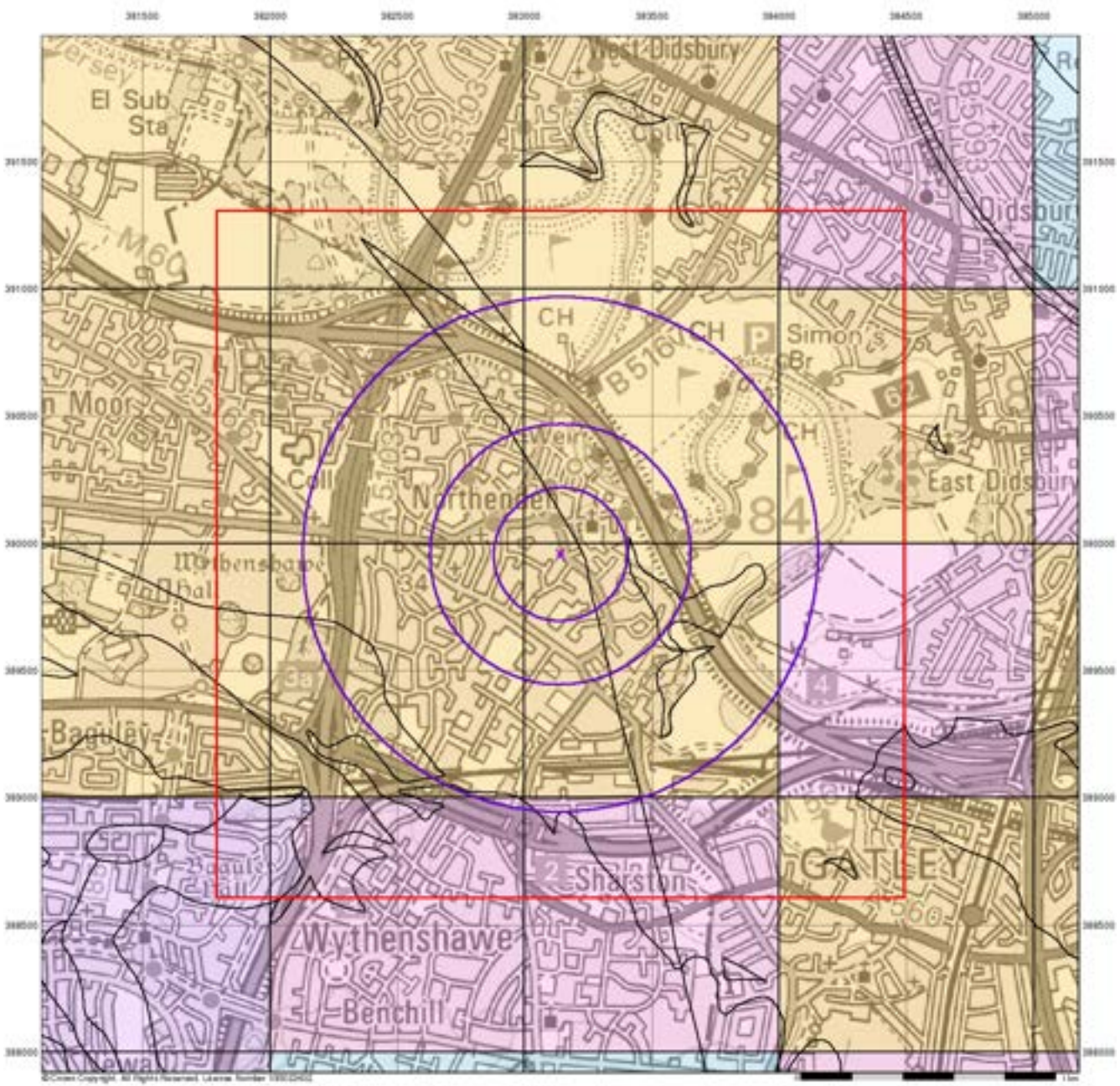
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Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

Dukefield Street, Manchester, M22 4NG

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GEOCON

Groundwater Vulnerability

General

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

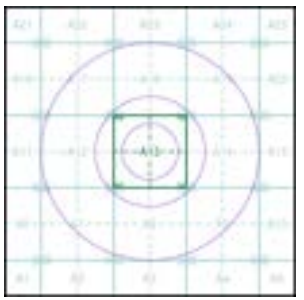
Agency and Hydrological

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

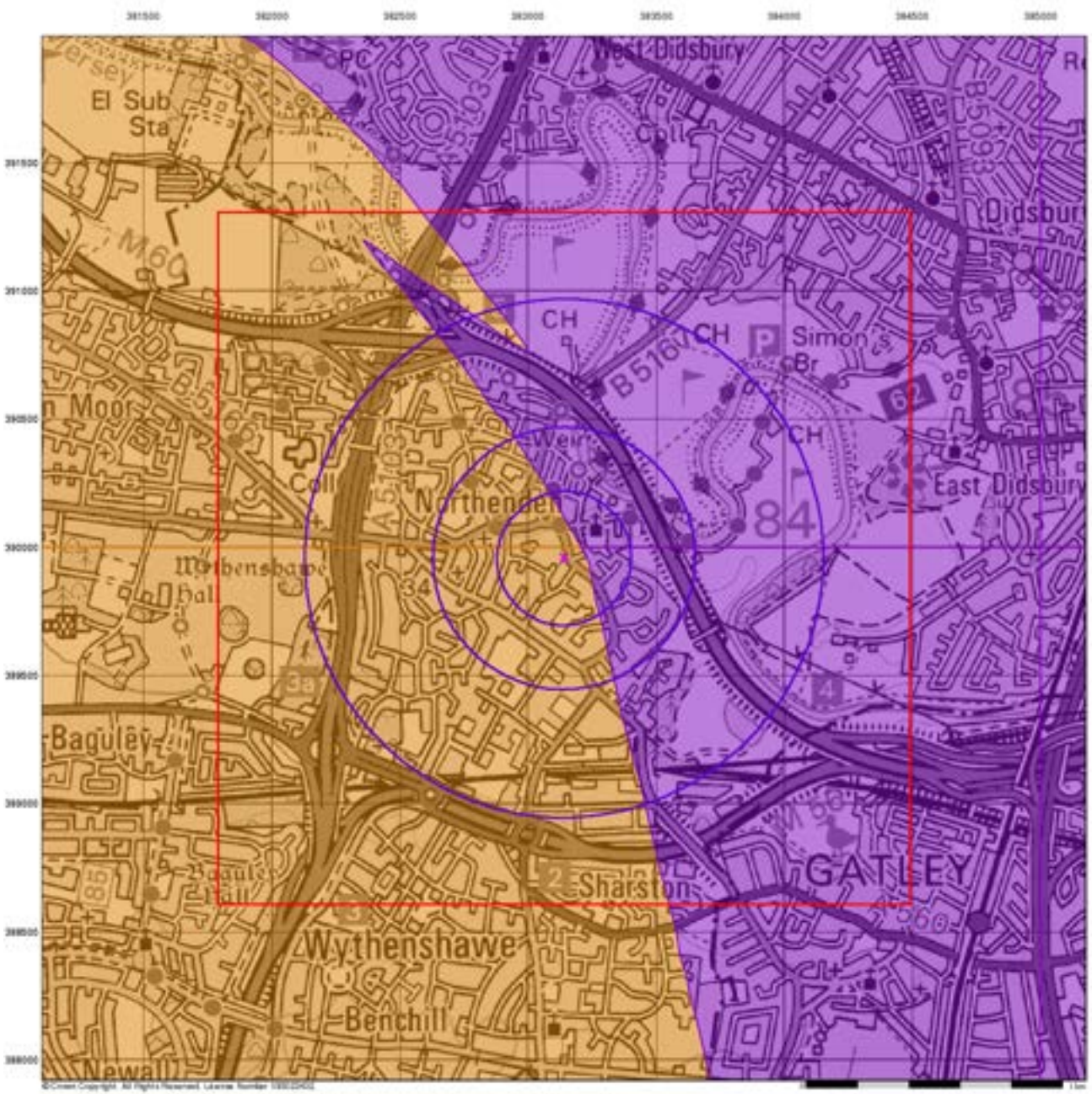
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Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
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Site Details

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Landmark INFORMATION GROUP

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GEOCON

Bedrock Aquifer Designation

General

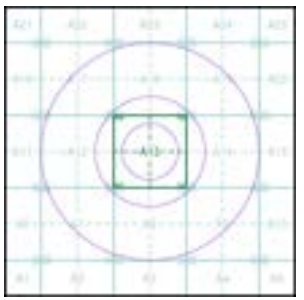
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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



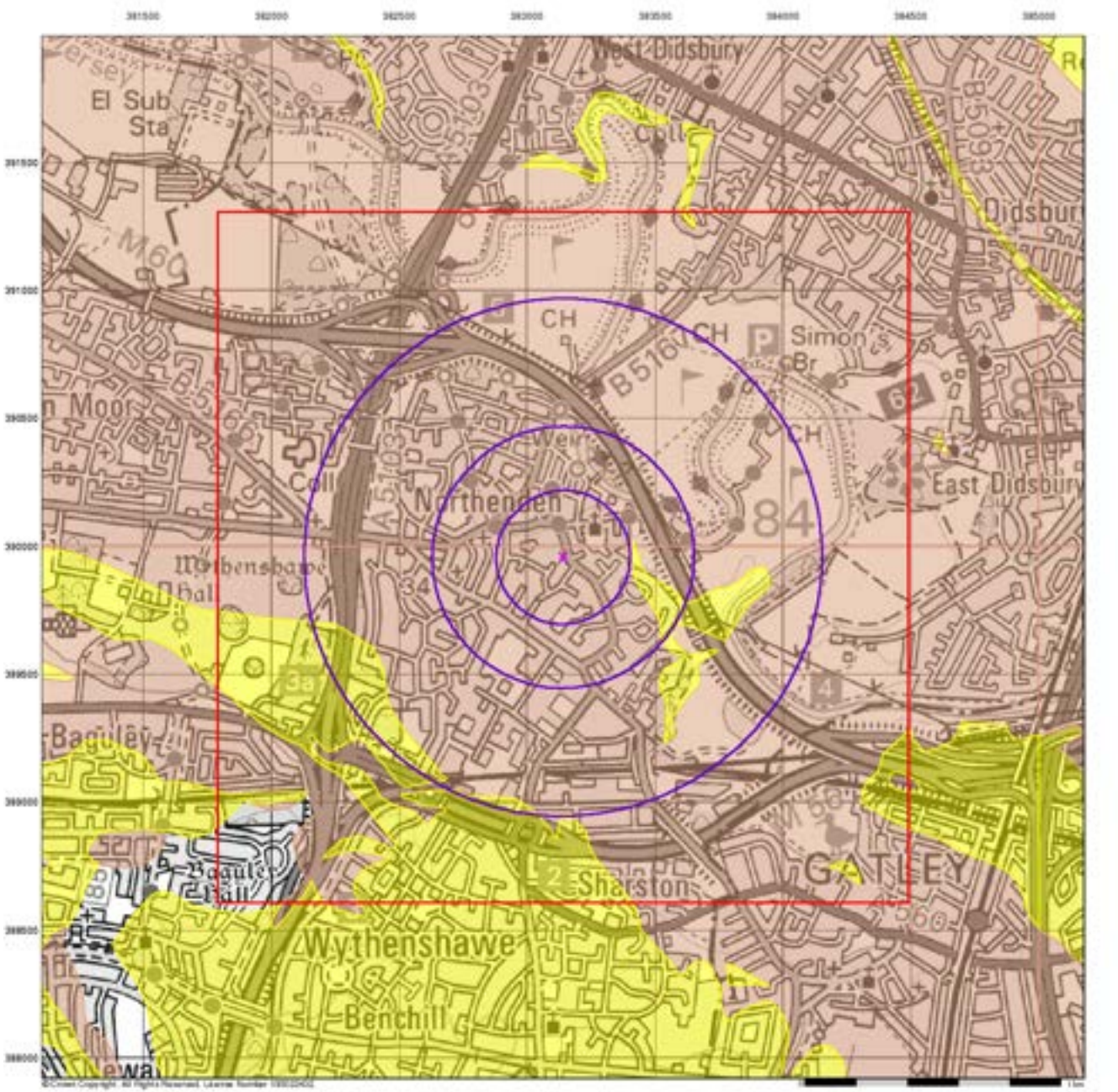
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Order Number:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

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GEOCON

Superficial Aquifer Designation

General

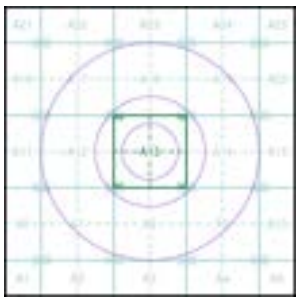
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

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

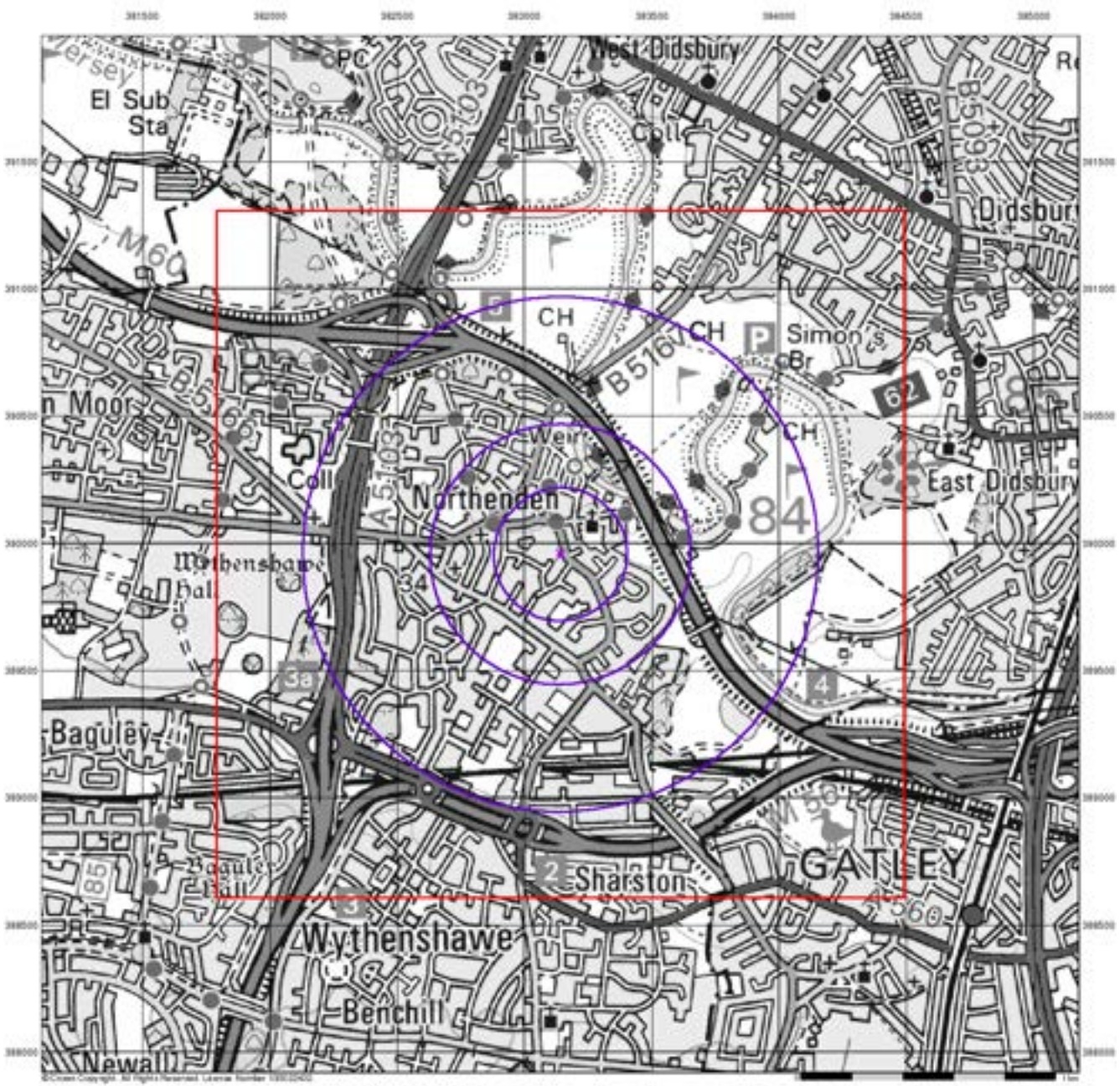


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Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

Dukefield Street, Manchester, M22 4NG



GEOCON

Source Protection Zones

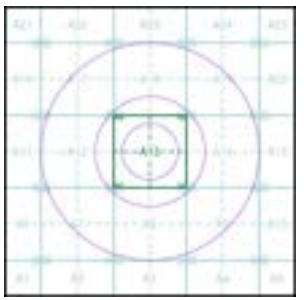
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



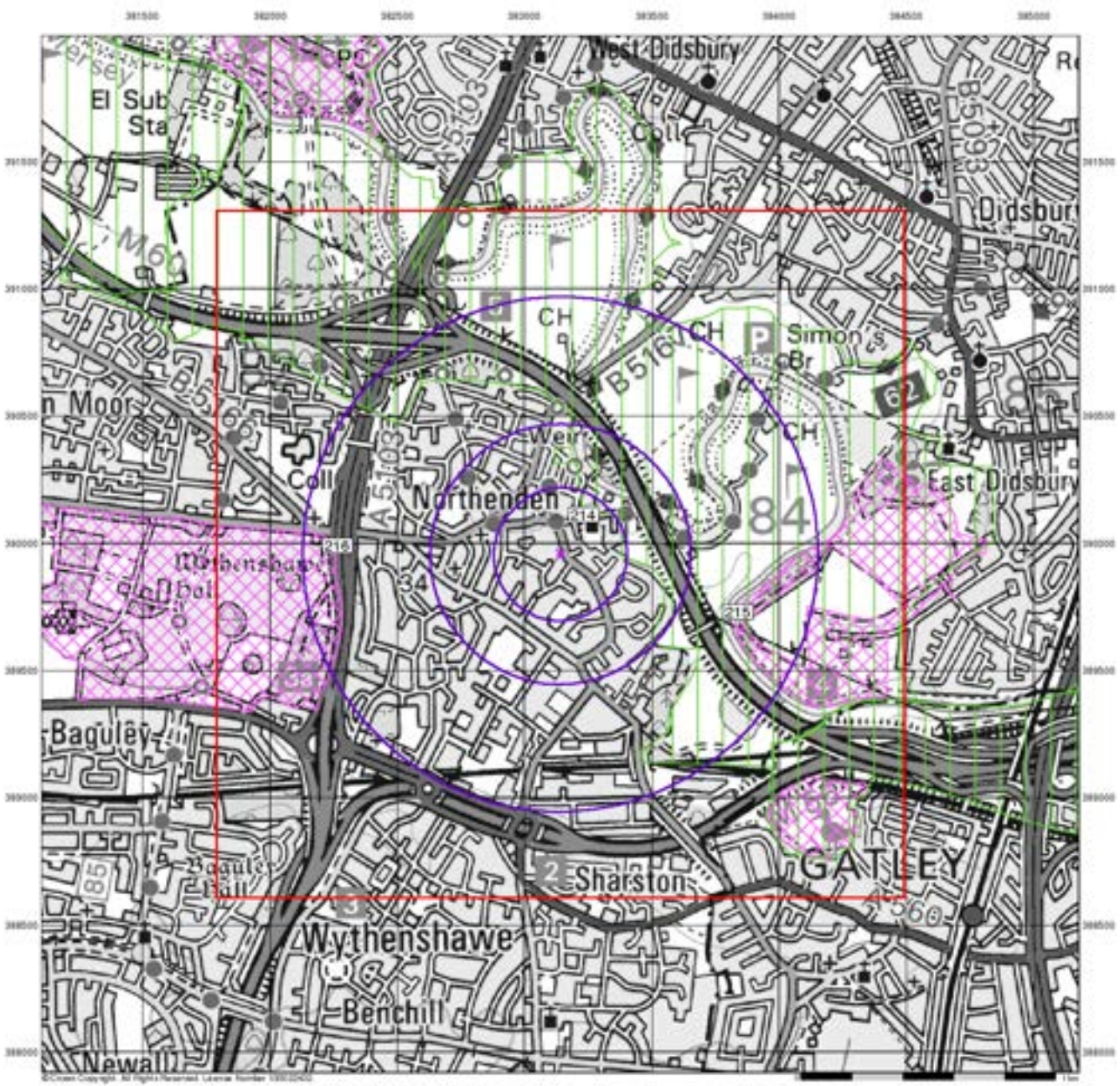
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Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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Sensitive Land Uses

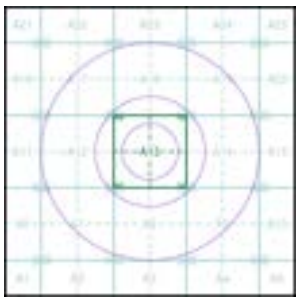
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

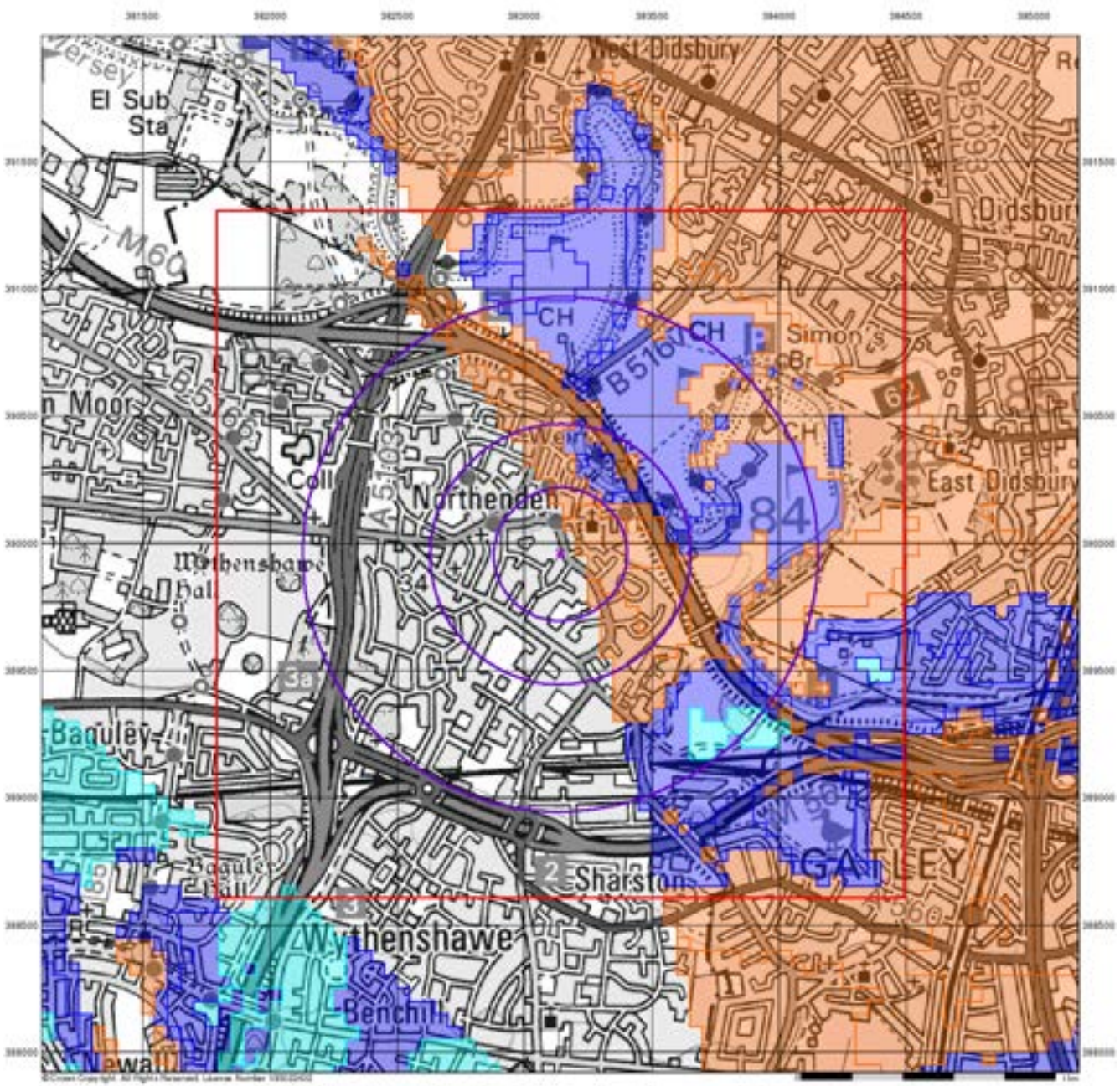


Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

Site Details

Dukefield Street, Manchester, M22 4NG



GEOCON

BGS Flood GFS Data

General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	265732162_1_1
Customer Ref:	GSI 1382
National Grid Reference:	383140, 389960
Slice:	A
Site Area (Ha):	0.03
Search Buffer (m):	1000

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APPENDIX D

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.