

EnviroSmart



Phase 1 Contaminated Land Assessment

Site address

Land between 21 and 23 Mode Hill Lane
Whitefield
Manchester

Date issued

June 2023

Report status

Final

Grid Reference

382140, 405980

Site Area

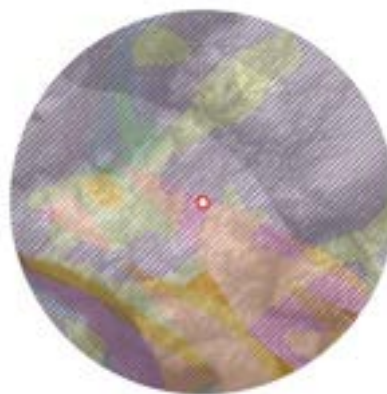
0.04 ha

Report prepared for

Hanif Nadjafi
21A Mode Hill Lane

Report reference

79400R1



Risk – Low to Moderate/Low

It is noted that whilst a limited intrusive site investigation (including appropriate laboratory testing of soil samples) could be adopted in order to validate the preliminary risk assessment conclusions, a watching brief during all proposed redevelopment activities and associated ground works (which would include a thorough inspection of any exposed sub surface soils/Made Ground) would likely be sufficient.

Report author

Rebecca Conway
Project Consultant

Report check & review

Jessica Bayliff
Senior Consultant

GeoSmart Information Ltd
Suite 9-11, 1st Floor
Old Bank Buildings
Bellstone, Shrewsbury
SY1 1HU
+44(0)1743 298 100
info@geosmartinfo.co.uk
www.geosmartinfo.co.uk





The purpose of this EnviroSmart report is to provide clear and pragmatic advice regarding the nature and potential significance of contaminated land hazards which may be present at the study site. GeoSmart are providing consultancy and professional opinion based upon our collation, interpretation and assessment of information contained within an Envirocheck report, and other sources where expressly stated (i.e. site visits, photographs, and anecdotal evidence). It is acknowledged that the risk assessment findings are based on documentary sources of information alone.

Site analysis

1. Probability/likelihood of a contaminant hazard at the Site	High likelihood	
	Likely	
	Low likelihood	
	Unlikely	
2. Potential severity/consequence of any impacts	Severe	
	Medium	
	Mild	
	Minor	
3. Overall land quality risks posed by the Site	Very high	
	High	
	Moderate	
	Moderate/low	
	Low	
	Very low	

Summary of existing and proposed development

The Site is currently a development Site but was most recently undeveloped grassland with an area of hardstanding in the south of the Site. Development proposals comprise the construction of a new residential dwelling with associated access and landscaping. Development plans are included in Section 1.6.

Environmental Setting

The underlying superficial geology consists of Glaciofluvial Ice Contact Deposits, Devensian which is classified as a Secondary (A) Aquifer and the bedrock geology consists of Chester Formation which is classified as a Principal Aquifer.

There are no significant surface water features within 250 m of the Site.

There are no environmentally sensitive land uses within 500 m of the Site.

Site History

Historical mapping indicates that the Site was first developed by 1909. Off Site land are predominantly agricultural land and residential land use.

Radon

The Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m³).

Coal Mining

Although the Site lies within an area of historic coal mining, as the Site is not located within a Coal Authority Development High Risk Area there is no specific requirement to submit any coal mining information with a planning application and the Coal Authority will not be consulted by the local planning authority (LPA). The LPA are likely to include the Coal Authority Standing Advice as an informative note with the decision notice.

Summary of Conceptual Site Model (CSM)

Source of Contamination

Potential for asbestos containing materials within the subsurface soils due to the presence of buildings on Site, historically.

Receptors

Human Health

Human Health (pathway)

Liberation of sub surface ACMs and inhalation of asbestos fibres

Preliminary Risk Assessment

Overall, the preliminary risk classification of the Site in relation to the proposed redevelopment is considered to be Low to Low/Moderate.

Recommendations / Next Steps

No immediate action but observe a watching brief

It is noted that whilst a limited intrusive site investigation (including appropriate laboratory testing of soil samples) could be adopted in order to validate the preliminary risk assessment conclusions, a watching brief during all proposed redevelopment activities and associated ground works (which would include a thorough inspection of any exposed sub surface soils/Made Ground) would likely be sufficient.

Consider Coal Mining Risk

As the Site is not located within a Coal Authority Development High Risk Area there is no specific requirement to submit any coal mining information with a planning application and the Coal Authority will not be consulted by the local planning authority (LPA). The LPA are likely to include the Coal Authority Standing Advice as an informative note with the decision notice. Consideration should however be given to further investigation of the coal mining risk.

1. Introduction



1.1 Background

The study site (from herein known as 'the Site') is situated at Land between 21 and 23 Mode Hill Lane in Whitefield, Manchester. A location plan of the Site is shown in Section 1.5. A proposed development plan of the Site is shown in Section 1.6.

GeoSmart was commissioned by Hanif Nadjafi in May 2023 to undertake a Phase 1 Land Quality Assessment for the Site. The report has been requested by Bury Metropolitan Borough Council in order to support Planning Application Reference 66993.

The proposed development is for the construction of a new detached residential dwelling with associated driveway and landscaping.

The EnviroSmart report has been undertaken by firstly compiling information concerning the Site and the surrounding area, including current and historical land uses, geological records and registered pollution incidents. The information which is gathered is then used to construct a 'conceptual site model', including an understanding of likely contaminant sources, pathways and receptors. Finally, a preliminary assessment of risks posed to identified receptors (i.e., people, buildings or the natural environment) from the anticipated land quality at the Site is performed. The risk assessment methodology is consistent with CIRIA C552 (2001); see Section 3.4 for details.

1.2 Purpose of this report

The purpose of this EnviroSmart report is to provide clear and pragmatic advice regarding the nature and potential significance of contamination hazards which may be present at the Site.

1.3 Report contents

This report is divided into two sections, as described below:

Section	Content	Purpose
Section 2: LAND QUALITY ASSESSMENT	A summary of the site history and environmental setting, the findings of the preliminary risk assessment and associated recommendations	To present a clear and concise overview of the land quality issues facing the Site, including recommendations of how to manage any land contamination which may be present
Section 3: SUPPORTING INFORMATION	A collection of site specific information on which the land quality assessment is based	To provide detailed information in support of the risk assessment; this section also represents a source of reference data for use in any subsequent site works/assessments

1.4 Report limitations

It is noted that the findings presented in this report are largely based on information supplied by third parties. Whilst we assume that all information is representative of past and present conditions we can offer no guarantee as to its validity.

This report excludes consideration of potential hazards arising from any activities at the Site other than normal use and occupancy for the intended land uses. Hazards associated with any other activities have not been assessed and must be subject to a specific risk assessment by the parties responsible for those activities.

1.5 Site location plan



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BlueSky copyright and database rights 2023

1.6 Proposed Site development plan



2. Land quality assessment



2.1 Site details

Site name:	Land between 21 and 23 Mode Hill Lane	Current land cover:	Mix of hardstanding/building cover (c. 50%) and softstanding (c. 50%)
Current use:	Development Site		
Proposed use:	Residential with garden	Site area:	0.04 ha

2.2 Conceptual understanding (potential sources of contamination)

 Site history (historical land use taken within 250m radius of the Site boundary)	Date	Description of land use		POTENTIAL SOURCES OF CONTAMINATION	Source description	LOW LIKELIHOOD	PROBABILITY OF CONTAMINATION
		On-Site	Off-Site				
	1848	Site undeveloped. Located at the intersection of Hillock Lane and Oak Lane.	Adjacent land used in an agricultural capacity. Residential and agricultural buildings located c. 10m south east, 50m north west and c. 185m south west. Wesleyan Chapel and Graveyard located c. 210m north west. Pond mapped c. 220m south east.		The land use history suggests that there is the potential for contamination to have occurred both <u>on-Site</u> and <u>off-Site</u> relating to the following: Residential: Miscellaneous small scale fuel or chemical spills relating to domestic land-uses.(i.e., fuels used for garden machinery, herbicides, paints/creosote, detergents, etc.) Potential for localised/historical deposition of residential waste materials (ash, litter, packaging, etc.). Made Ground/demolition waste materials associated with former development/demolition activities. Asbestos containing materials (ACM) may have been incorporated within the built structures in the past; the disturbance of any such materials may have resulted in asbestos being present within the sub surface surrounding the buildings. Potential for atmospheric deposition of generic air borne contaminants including lead (historically derived from engine exhaust emissions). Continued...		
	1893	(Assumed) greenhouses mapped on Site. Nursery (plant) mapped in the north of the Site.	Terraced residential buildings constructed adjacent to the east of the Site.				
	1894	No discernible change on Site.	No discernible change off Site.				
	1909	Building constructed in the north of the Site, extending beyond the northern boundary.	No discernible change off Site.				
	1910	No discernible change on Site.	No discernible change off Site.				
	1923	No discernible change on Site.	No discernible change off Site.				

2.2 Conceptual understanding (potential sources of contamination)

 Site history <i>(historical land use taken within 250m radius of the Site boundary)</i>	Date	Description of land use		POTENTIAL SOURCES OF CONTAMINATION	Source description	LOW LIKELIHOOD	PROBABILITY OF CONTAMINATION
		On-Site	Off-Site				
	1932	No discernible change on Site.	Undefined agricultural buildings constructed from c. 50m south of the Site. Outbuildings associated with the nursery constructed from c. 100m north.				
	1938	Building no longer mapped in the north of the Site.	No discernible change off Site.				
	1955-1956	No discernible change on Site.	No discernible change off Site.				
	1956	Buildings no longer mapped on Site.	Social club constructed c. 25m south of the Site.				
	1956-1958	No discernible change on Site.	No discernible change off Site.				
	1965-1968	No discernible change on Site.	No discernible change off Site.				
	1969-1970	No discernible change on Site.	Considerable residential development from c. 5m west of the Site. Residential buildings no longer mapped adjacent to the east of the Site. Farm building demolished c. 185 south west of the Site.				
	1970-1971	No discernible change on Site.	Chapel no longer mapped c. 210m north west.				
	1974-1979	No discernible change on Site.	No discernible change off Site.				
	1977-1978	No discernible change on Site.	Further, considerable, residential development from c. 10m south of the Site.				
	1983-1986	No discernible change on Site.	Pond infilled c. 220m south east.				
	1984	Small outbuilding mapped in the north of the Site.	No discernible change off Site.				

Source description

Nursery/greenhouses:

Miscellaneous small scale fuel and chemical spills (i.e. fuel used for heating, oils and lubricants, herbicides/pesticides, fertilisers, etc.)
Bulk storage of fuels and/or miscellaneous chemicals

The land use history suggests that there is the potential for contamination to have occurred off-Site relating to the following:

Agricultural buildings:

Bulk storage
Miscellaneous small scale fuel and chemical spills (i.e., fuels used for heating/agricultural machinery/other vehicles, oils and lubricants, herbicides/pesticides, fertilisers, paints/thinners, creosote, etc.).
Potential for localised/historical deposition of domestic/agricultural waste materials. Note: there is no direct evidence, including topographic evidence, that any such waste disposal or infilling activities have taken place on the Site. Also, given the open nature of the wider site, it is considered unlikely that any significant wastes were deposited in close proximity to the existing structures.
Made Ground associated with former development/demolition activities.
Animal effluent from the housing of livestock within the on-site buildings.
Asbestos containing materials (ACM) may have been incorporated within the built structures in the past; the disturbance of any such materials may have resulted in asbestos being present within the sub surface surrounding the buildings.
Localised disposal of effluent wastes.

Continued...

2.2 Conceptual understanding (potential sources of contamination)

 Site history (historical land use taken within 250m radius of the Site boundary)	Date	Description of land use	
		On-Site	Off-Site
	1992	No discernible change on Site.	No discernible change off Site.
	1992-1994	No discernible change on Site.	No discernible change off Site.
	1999	No discernible change on Site.	No discernible change off Site.
	2000 (aerial imagery)	No discernible buildings on Site. Approximately 50% of the Site is comprised of a driveway to the neighbouring property.	No discernible change off Site.
	2003 (aerial imagery)	No discernible change on Site.	Residential development from c. 65m north east. Topographical depression filled with surface water c. 165m north east of the Site (seasonal in extent).
	2005 (aerial imagery)	No discernible change on Site.	Residential development completed from c. 65m north east.
	2013-2022 (aerial imagery)	No discernible change on Site.	No discernible change off Site.
	2023	No discernible change on Site.	No discernible change off Site.
POTENTIAL SOURCES OF CONTAMINATION	Source description		
	Cemetery: Given the proximity of the neighbouring cemetery, it may be possible that anthropogenic sources of environmental contamination could impact the underlying groundwater. Infilled pond: Made Ground associated with former infilling activities. Any Made Ground/fill materials may contain a variety of inorganic and organic contaminants and could give rise to the generation of bulk gases and also leachate. Despite there being a pond present which maybe have been subsequently infilled, given the small scale of the feature and the time passed since any potential infilling occurred (~37 years), it is considered unlikely that there will be an appreciable gas source which could impact future Site users. Therefore this potential source will not be carried forward into the risk assessment.		
	LOW LIKELIHOOD		
	PROBABILITY OF CONTAMINATION		

2.2 Conceptual understanding (potential sources of contamination)

 Current land use	The Site was previously undeveloped grassland. Photographs provided by the client (section 3.2) confirm that construction is underway on Site. There are no known buried storage tanks at the Site. There is no known bulk fuel or chemical storage on Site.				The Site's current use is unlikely to have given rise to significant land contamination.	UNLIKELY																																																									
 Neighbouring industrial land uses <i>(see environmental data report in Section 3.3 for full listing)</i>	No potentially contaminative land uses are located within 250m of the Site. <table><tr><th>Distance from Site</th><th>Number of active industrial land uses</th><th>Number of inactive industrial land uses</th></tr><tr><td>1 - 50 m</td><td>0</td><td>0</td></tr><tr><td>51 - 100m</td><td>0</td><td>0</td></tr><tr><td>101 - 250 m</td><td>0</td><td>0</td></tr></table> <table><tr><th>Nr</th><th>Nearest distance</th><th>Land use / permitted activity / authorisation</th></tr><tr><td>0</td><td>NA</td><td>Fuel station entries</td></tr><tr><td>0</td><td>NA</td><td>Gas pipelines</td></tr><tr><td>0</td><td>NA</td><td>Underground electrical cables</td></tr><tr><td>0</td><td>NA</td><td>Control of major accident hazards sites (COMAH)</td></tr><tr><td>0</td><td>NA</td><td>Notification of installations handling hazardous substances (NIHHS)</td></tr><tr><td>0</td><td>NA</td><td>Explosives sites</td></tr><tr><td>0</td><td>NA</td><td>Planning hazardous substance consents</td></tr><tr><td>0</td><td>NA</td><td>Planning hazardous substance enforcements</td></tr><tr><td>0</td><td>NA</td><td>Sites determined as Contaminated Land under Part IIA of the Environmental Protection Act 1990</td></tr><tr><td>0</td><td>NA</td><td>Records of Licensed Discharge Consents.</td></tr><tr><td>0</td><td>NA</td><td>Integrated pollution prevention and control sites</td></tr><tr><td>0</td><td>NA</td><td>Local Authority pollution prevention and control sites</td></tr><tr><td>0</td><td>NA</td><td>Local Authority pollution prevention and control enforcements</td></tr><tr><td>0</td><td>NA</td><td>Records of Category 3 or 4 Radioactive Substance Licences</td></tr></table>				Distance from Site	Number of active industrial land uses	Number of inactive industrial land uses	1 - 50 m	0	0	51 - 100m	0	0	101 - 250 m	0	0	Nr	Nearest distance	Land use / permitted activity / authorisation	0	NA	Fuel station entries	0	NA	Gas pipelines	0	NA	Underground electrical cables	0	NA	Control of major accident hazards sites (COMAH)	0	NA	Notification of installations handling hazardous substances (NIHHS)	0	NA	Explosives sites	0	NA	Planning hazardous substance consents	0	NA	Planning hazardous substance enforcements	0	NA	Sites determined as Contaminated Land under Part IIA of the Environmental Protection Act 1990	0	NA	Records of Licensed Discharge Consents.	0	NA	Integrated pollution prevention and control sites	0	NA	Local Authority pollution prevention and control sites	0	NA	Local Authority pollution prevention and control enforcements	0	NA	Records of Category 3 or 4 Radioactive Substance Licences	POTENTIAL SOURCES OF CONTAMINATION	Given the absence of any current potentially contaminative land uses/activities within 250 m of the Site no associated contamination hazards have been identified.
Distance from Site	Number of active industrial land uses	Number of inactive industrial land uses																																																													
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2.2 Conceptual understanding (potential sources of contamination)

 EA recorded pollution incidents <i>(see environmental data report in Section 3.3 for full listing)</i>	No Environment Agency pollution incidents have been recorded within 250 m of the Site.	POTENTIAL SOURCES OF CONTAMINATION	No potential for gross contamination has been identified in relation to any pollution incidents occurring near to the Site.	NEGLECTIBLE	PROBABILITY OF CONTAMINATION
 Landfills / waste sites <i>(taken within 500m radius of the Site boundary, see environmental data report in Section 3.3 for full listing)</i>	There are no BGS recorded landfills located within 500 m of the Site. There are no Environment Agency listed historical landfills located within 500 m of the Site. There are no registered landfills located within 500 m of the Site. There are no Local Authority listed historical landfills located within 500 m of the Site. The following other waste sites are registered within 500 m of the Site: 0 Records of registered waste transfer sites. 0 Records of registered waste treatment or disposal sites. 0 Records of licenced waste management facilities.		Given the absence of any historical or operational landfills within close proximity of the Site no associated contamination hazards have been identified. Given the absence of any waste treatment, transfer or disposal sites within close proximity of the Site no associated contamination hazards have been identified.	NEGLECTIBLE	

2.2 Conceptual understanding (potential sources of contamination)

Rn Radon (see environmental data report in Section 3.3 for full listing)	According to current UK radon mapping the Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m3).	POTENTIAL SOURCES OF CONTAMINATION	<1% of homes are at or above the UK radon action level (200 Bq/m3).	UNLIKELY	PROBABILITY OF CONTAMINATION
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2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

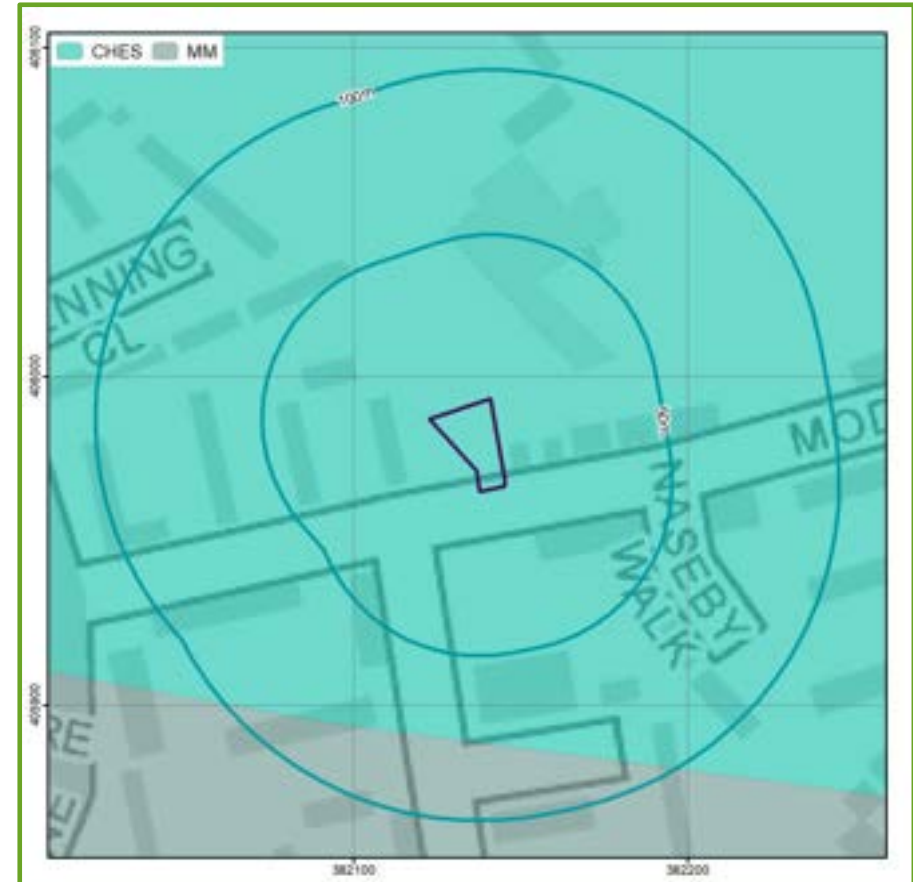
 Geology and Groundwater <i>(see the environmental data report in Section 3.3 for full details)</i>	British Geological Survey mapping indicates that the underlying superficial geology consists of Glaciofluvial Ice Contact Deposits, Devensian (GFICD) which comprises sand and gravel and is classified as a Secondary (A) Aquifer. British Geological Survey mapping indicates that the bedrock geology consists of Chester Formation (CHES) which comprises of sandstone and is classified as a Principal Aquifer. According to the GeoSmart Groundwater Flood Risk (GW5) Map (GeoSmart, 2023). The risk of groundwater flooding at the Site is 'negligible'. The Site does not lie within a groundwater Source Protection Zone (SPZ). There are no groundwater abstraction licences within 1 km of the Site.	POTENTIAL RECEPTORS	SEVERE	POTENTIAL SEVERITY OF IMPACT
 Geohazards <i>(see the environmental data report in Section 3.3 for full details)</i>	The Site lies within an area of historical coal mining activity. There are no brine affected areas within 75 m of the Site. No or limited artificial ground / Made Ground is anticipated on Site. There are no natural hazards (with a hazard rating of moderate or above) at or within 50 m of the Site.		MILD	

Superficial Geology (BGS, 2023)



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Bedrock Geology (BGS, 2023)



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2.3 Conceptual understanding (environmental sensitivity / potential severity of impacts)

 Surface water <i>(see the environmental data report in Section 3.3 for full details)</i>	There are no significant surface water features within 250 m of the Site. The Site lies within a Flood Zone 1 (low probability). The following surface water abstraction licences are held within 1 km of the Site: Onsite Central Ltd. Surface water abstraction from a single point c. 320m south. Start date: 01/11/2011. End date: unknown. Onsite Central Ltd. Surface water abstraction from a single point c. 340m south. Start date: 01/11/2011. End date: unknown. Onsite Central Ltd. Surface water abstraction from a single point c. 530m south. Start date: 01/11/2011. End date: unknown.	POTENTIAL RECEPTORS	No relevant surface water receptors have been identified.	NEGLECTIBLE	POTENTIAL SEVERITY OF IMPACT
 Environmental designations <i>(see the environmental data report in Section 3.3 for full details)</i>	There are no environmentally sensitive land uses within 500 m of the Site.		No relevant environmentally designated sites/receptors have been identified.	NEGLECTIBLE	
 Human receptors	Proposed residents/users of the Site plus neighbouring residences.		Human receptors are proposed to be present on Site.	SEVERE	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
On-Site sources								
1	Potential for inorganic and low volatility organic contaminants to be present within the subsurface soils	Dermal contact, ingestion & inhalation of soils & soil dust	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	The risk classification reflects the likely absence of any significant sources of inorganic and low volatility organic contamination.
2		Consumption of home grown produce	HH		MEDIUM	UNLIKELY	LOW RISK	
3		Ingress into water supply pipework and subsequent water ingestion	HH		MEDIUM	UNLIKELY	LOW RISK	
4		Building materials in direct contact with aggressive ground	PROP	Future Site buildings	MILD	UNLIKELY	VERY LOW RISK	Aggressive ground conditions are not anticipated to be present.
5		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Glaciofluvial Ice Contact Deposits, Devensian (a Secondary (A) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	The risk classification reflects the likely absence of any significant sources of inorganic and low volatility organic contamination.
6		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Chester Formation (a Principal Aquifer)	MEDIUM	UNLIKELY	LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
7	Potential for volatile organic contaminants to be present within the subsurface soils	Dermal contact, ingestion & inhalation of soils & soil dust	HH	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	The risk classification reflects the likely absence of any significant sources of volatile organic contamination.
8		Consumption of home grown produce	HH		MEDIUM	UNLIKELY	LOW RISK	
9		Ingress into water supply pipework and subsequent water ingestion	HH		MEDIUM	UNLIKELY	LOW RISK	
10		Migration of vapours to surface; inhalation indoors	HH		MEDIUM	UNLIKELY	LOW RISK	
11		Migration of vapours to surface; inhalation outdoors	HH		MEDIUM	UNLIKELY	LOW RISK	
12		Building materials in direct contact with aggressive ground	PROP	Future Site buildings	MILD	UNLIKELY	VERY LOW RISK	Aggressive ground conditions are not anticipated to be present.
13		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Glaciofluvial Ice Contact Deposits, Devensian (a Secondary (A) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	The risk classification reflects the likely absence of any significant sources of contamination.
14		Dissolution into pore water/shallow groundwater and subsequent migration	CW	Chester Formation (a Principal Aquifer)	MEDIUM	UNLIKELY	LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
15	Potential for asbestos containing materials within the subsurface soils	Liberation of sub surface ACMs and inhalation of asbestos fibres	HH	Future Site occupants	MEDIUM	LOW LIKELIHOOD	MODERATE/LOW RISK	Given the age of buildings previously located on Site, asbestos-containing material may be present within the surrounding subsoils.
16	Potential for dissolved phase contaminants to be present within shallow groundwater	Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Glaciofluvial Ice Contact Deposits, Devensian (a Secondary (A) Aquifer)	MEDIUM	UNLIKELY	LOW RISK	The risk classification reflects the likely absence of any significant sources of contamination.
17		Lateral and vertical groundwater movement via natural or artificial flow paths	CW	Chester Formation (a Principal Aquifer)	MEDIUM	UNLIKELY	LOW RISK	
18	Potential for elevated methane to be present within the sub-surface soils	Lateral and vertical migration into on-Site buildings; potential to cause an explosion	HH	On-Site properties and their occupants	SEVERE	UNLIKELY	MODERATE/LOW RISK	Based on the prevailing conceptual understanding an appreciable on-Site gas source is considered unlikely. However, because the Site is located within a coal mining area, there is potential for there to be a gas risk which could impact future Site users, but according to Coal Authority mapping the Site is within a 'Development Low Risk Area' of the defined coalfield; whilst coal mining has taken place in this area, it was at such depth not to pose a public safety or ground stability risk to new development according to Coal Authority guidance. The risk classification is a reflection of the severity of consequences rather than the likelihood of occurrence.
19		Lateral migration towards off-Site buildings; potential to cause an explosion	HH	Off-Site properties and their occupants	SEVERE	UNLIKELY	MODERATE/LOW RISK	
20	Potential for elevated carbon dioxide to be present within the subsurface soils	Lateral and vertical migration into on-Site buildings; potential to cause asphyxiation	HH	Occupants of on-Site buildings	SEVERE	UNLIKELY	MODERATE/LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
21	Potential for elevated carbon dioxide to be present within the subsurface soils	Lateral migration towards off-Site buildings; potential to cause asphyxiation	II	Occupants of off-Site buildings	SEVERE	UNLIKELY	MODERATE/LOW RISK	Based on the prevailing conceptual understanding an appreciable on-Site gas source is considered unlikely. However, because the Site is located within a coal mining area, there is potential for there to be a gas risk which could impact future Site users, but according to Coal Authority mapping the Site is within a 'Development Low Risk Area' of the defined coalfield; whilst coal mining has taken place in this area, it was at such depth not to pose a public safety or ground stability risk to new development according to Coal Authority guidance. The risk classification is a reflection of the severity of consequences rather than the likelihood of occurrence.
22	Potential for radon within the subsurface	Lateral migration towards on-Site buildings; potential to cause long term health effects	II	Occupants of on-Site buildings	MEDIUM	UNLIKELY	LOW RISK	The Site lies in an area where <1% of homes are at or above the UK radon action level (200 Bq/m3).
OVERALL RISK RATING (on-Site)							MODERATE/LOW RISK	

2.5 Preliminary Risk Assessment

Nr	Sources	Pathways	TYPE	Receptors	Consequence	Probability	Risk classification	Comments
Off-Site sources: Cemetery c. 210m north west								
23	Potential for both inorganic and volatile organic contaminants to be present within the subsurface soils	Dermal contact, ingestion & inhalation of soils & soil dust	III	Future Site occupants	MEDIUM	UNLIKELY	LOW RISK	Whilst the cemetery has the potential to impact underlying groundwater in the secondary and principle aquifers, due to the reasonable distance from the Site it is unlikely that this would effect the development Site.
24		Consumption of home grown produce	III		MEDIUM	UNLIKELY	LOW RISK	
25		Ingress into water supply pipework and subsequent water ingestion	III		MEDIUM	UNLIKELY	LOW RISK	
26		Migration of vapours to surface; inhalation indoors	III		MEDIUM	UNLIKELY	LOW RISK	
27		Migration of vapours to surface; inhalation outdoors	III		MEDIUM	UNLIKELY	LOW RISK	
	OVERALL RISK RATING (off-Site)						LOW RISK	

2.6 Next Steps

✓	No immediate action but observe a watching brief		Given the known history of the Site it is considered unlikely that significant contamination is present within the sub-surface. The preliminary risk assessment suggests that the risks posed by in situ land quality are therefore likely to be low to moderate/low. It is noted that whilst a limited intrusive site investigation (including appropriate laboratory testing of soil samples) could be adopted in order to validate the preliminary risk assessment conclusions, a watching brief during all proposed redevelopment activities and associated ground works (which would include a thorough inspection of any exposed sub surface soils/Made Ground) will likely be sufficient. The watching brief should be maintained throughout the entire development phase of works and any possible evidence of contamination encountered during the redevelopment works should be alerted to the Local Authority. Appropriate actions would then be required to further inspect, sample and analyse any suspect materials, and formulate an appropriate remediation plan, as necessary.
---	---	---	---

2.7 Other recommendations

✓	Consider Coal Mining Risk		As the Site is not located within a Coal Authority Development High Risk Area there is no specific requirement to submit any coal mining information with a planning application and the Coal Authority will not be consulted by the local planning authority (LPA). The LPA are likely to include the Coal Authority Standing Advice as an informative note with the decision notice. Consideration should however be given to further investigation of the coal mining risk.
---	----------------------------------	---	--

3. Supporting Information



The following supporting information is contained in this section:

Section	Content
3.1	Referenced materials used in the EnviroSmart reporting
3.2	Site photographs
3.3	Published environmental data records (Landmark Envirocheck report 21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF. REF: 312640850_1_1) including: • Aerial photographs and site map • Environmental permits, incidents and registers • Landfill and other waste sites • Current land use information • Geology • Hydrogeology and hydrology • Flooding • Designated environmentally sensitive sites • Other environmental factors
3.4	Risk assessment methodology
3.5	Historical land use maps

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The Property Ombudsman scheme

Milford House

43-55 Milford Street

Salisbury

Wiltshire SP1 2BP

Tel: 01722 333306

Fax: 01722 332296

Email: admin@tpos.co.uk

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- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
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- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

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Martin Lucass
Commercial Director
GeoSmart Information Limited
Suite 9-11, 1st Floor
Old Bank Buildings, Bellstone
Shrewsbury
SY1 1HU

Tel: 01743 298100
martinlucass@geosmartinfo.co.uk

3.1 References

The following references were used to inform the conceptual site model and preliminary risk assessment:

British Geological Survey, 2023. GeoIndex Onshore (<http://mapapps2.bgs.ac.uk/geoindex/home.html>)

British Standards Institute, 2011. Investigation of potentially contaminated sites – code of practice. BS10175:2011+A2:2017.

CIRIA, 2001. Contaminated land risk assessment. A guide to good practice. Publication C552. CIRIA London. ISBN 0-86017-552 9

Environment Agency, 2020. Land Contamination Risk Management (LCRM)

GeoSmart Information Limited, 2023. National Groundwater Flood Risk Map (GW5)

Health Protection Agency, 2000. Spring 2000 Newsletter featuring: Radon: Guidance on Protective Measures for New Dwellings (BR 211).

Landmark, 2023. Landmark Envirocheck report 21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF. REF: 312640850_1_1

3.2 Site photographs

Photograph 1: Site conditions (north westerly facing)



Photograph 2: Site conditions (easterly facing)



Photograph 3: Site conditions (northerly facing)



Photograph 4: Site conditions (southerly facing)

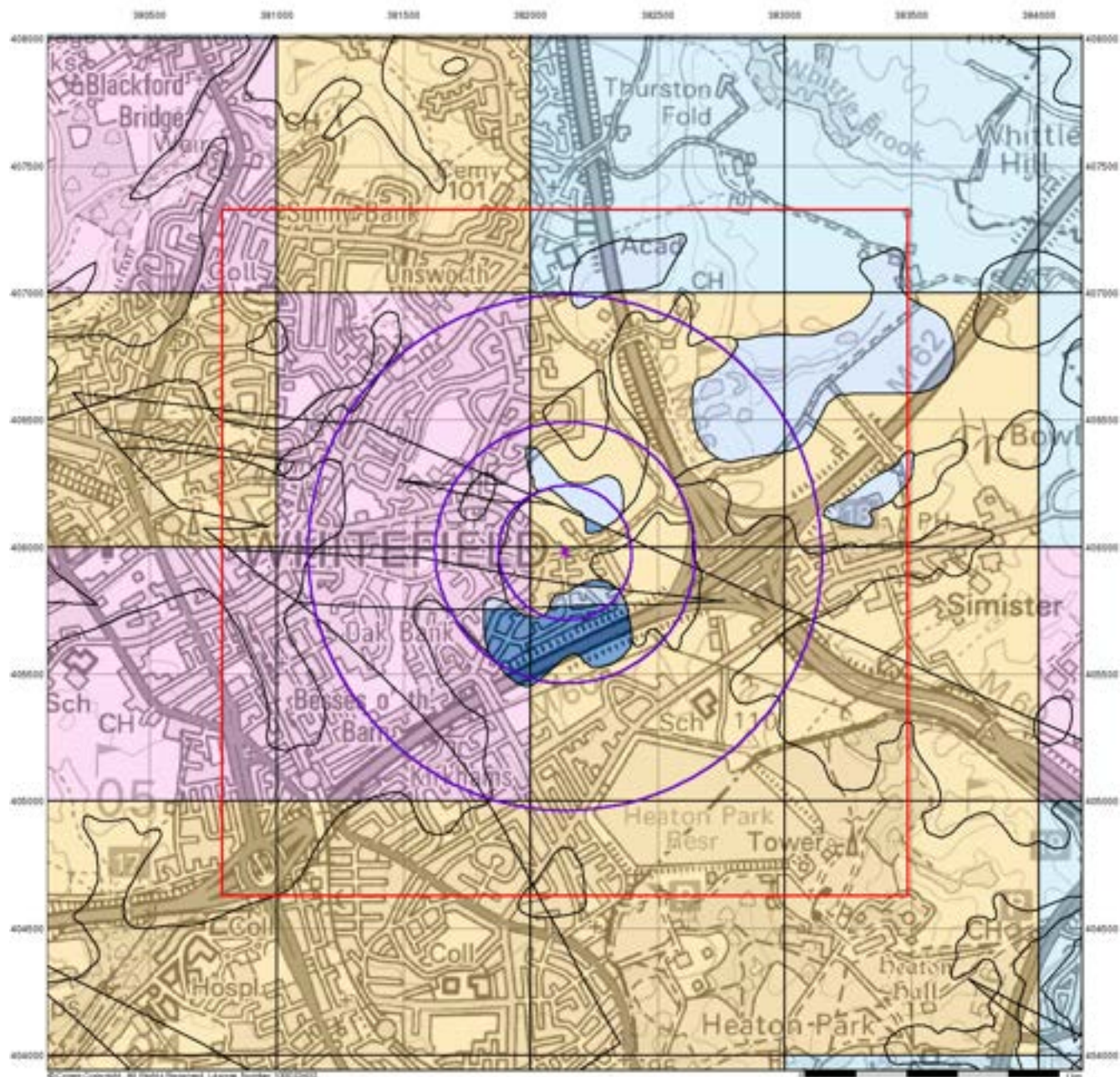


Photograph 5: Site conditions (north easterly facing)



3.3 Environmental data report

Readily available environmental information relating to the Site and its surrounding area has been provided by Landmark.



Groundwater Vulnerability

General

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

Agency and Hydrological

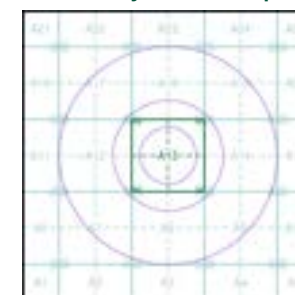
Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

Superficial Aquifers

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

Site Sensitivity Context Map - Slice A

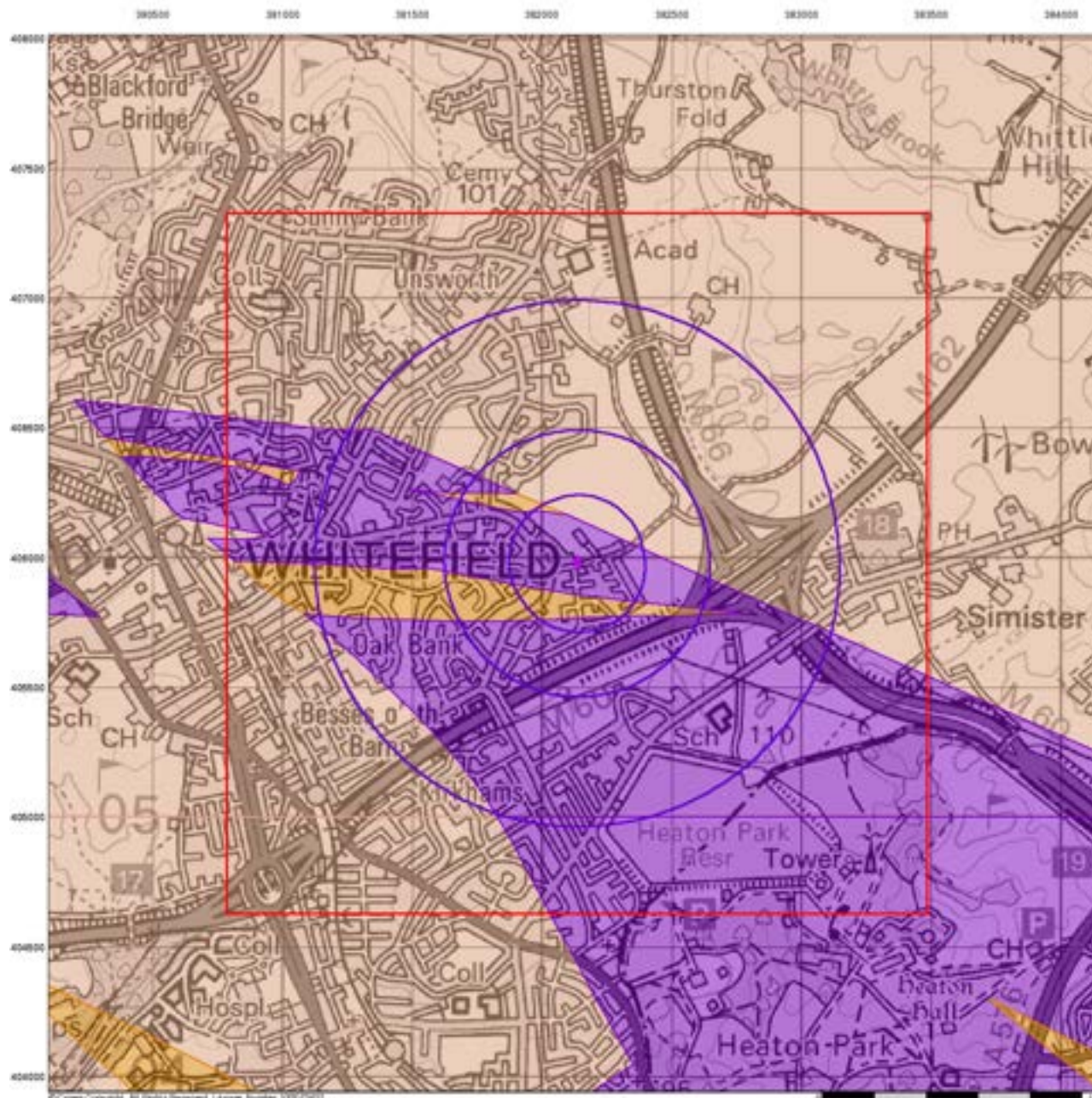


Order Details

Order Number: 312640850_1_1
Customer Ref: 79400
National Grid Reference: 382140, 405980
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 1000

Site Details

21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



Bedrock Aquifer Designation

General

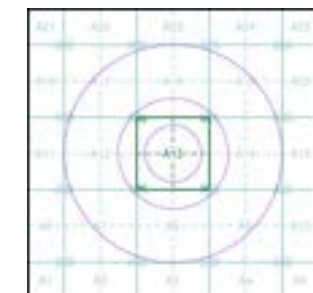
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Site
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

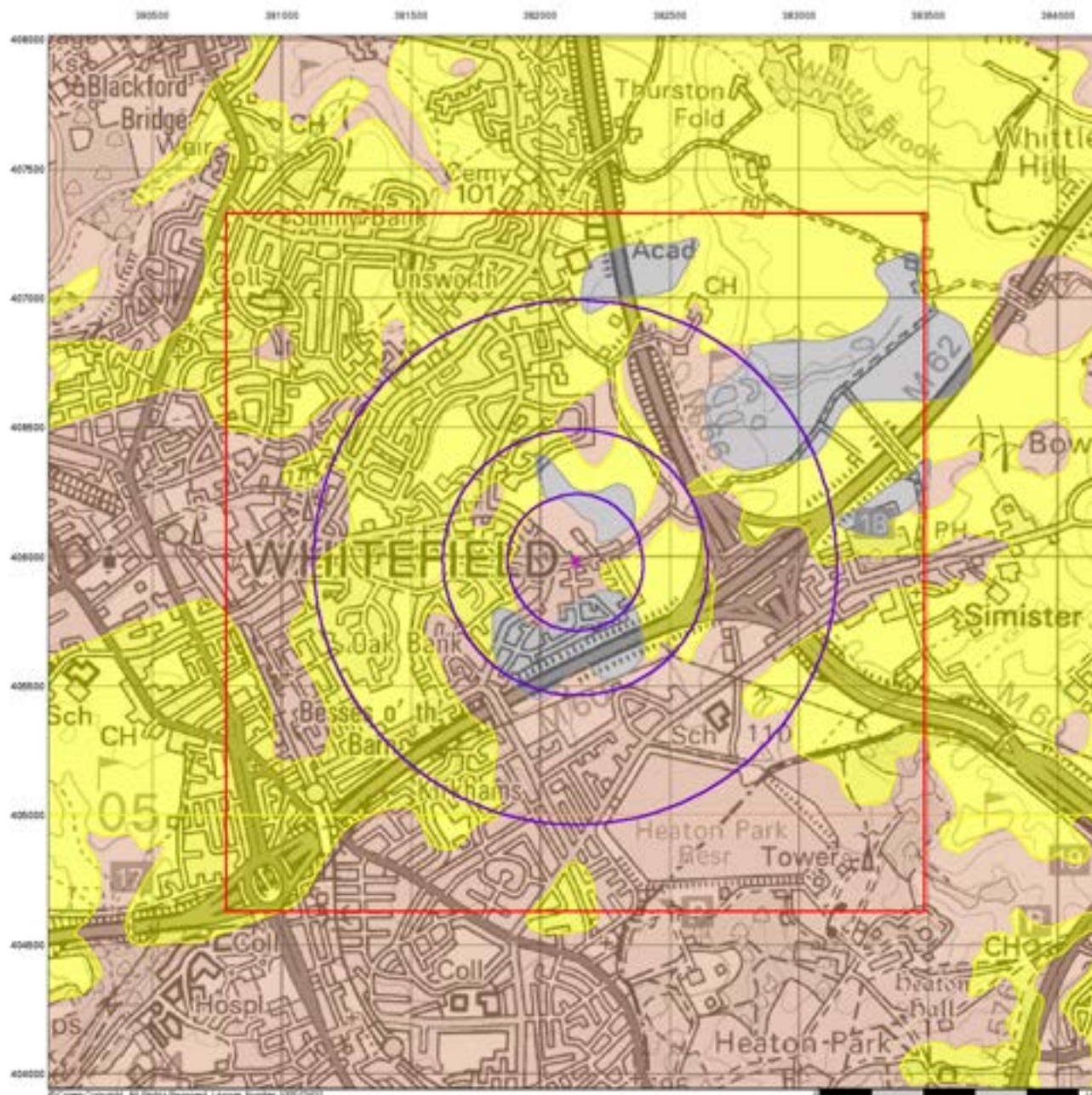


Order Details

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 National Grid Reference: 382140, 405980
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



Superficial Aquifer Designation

General

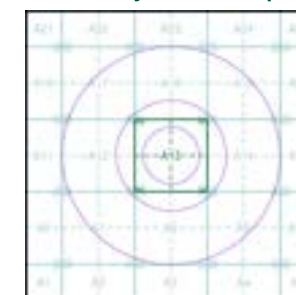
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A

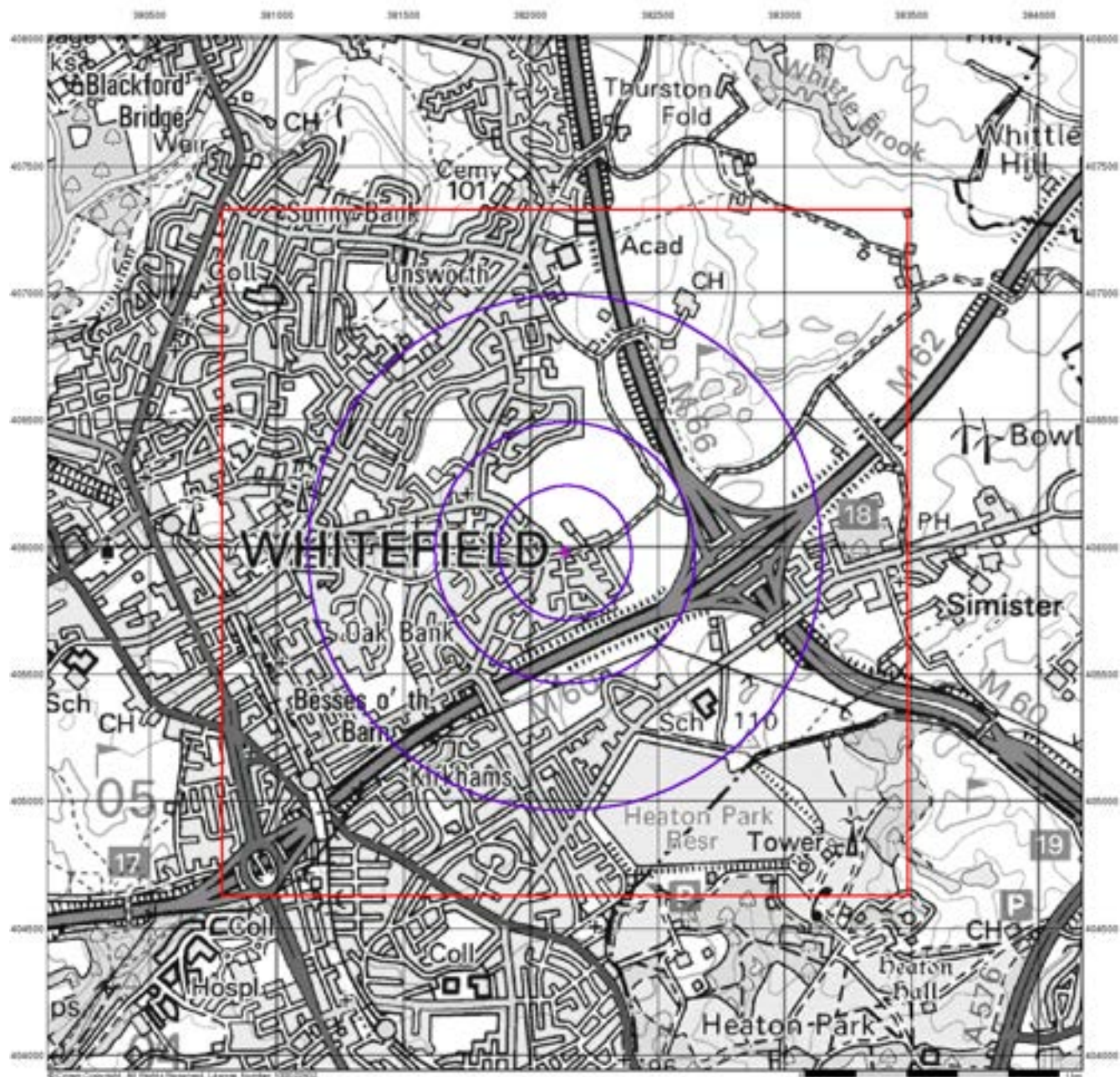


Order Details

Order Number: 312640850_1_1
 Customer Ref: 79400
 National Grid Reference: 382140, 405980
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



Source Protection Zones

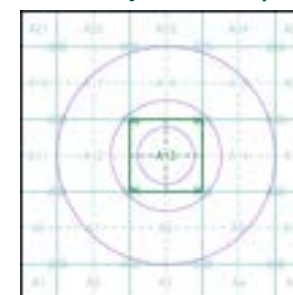
General

- 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

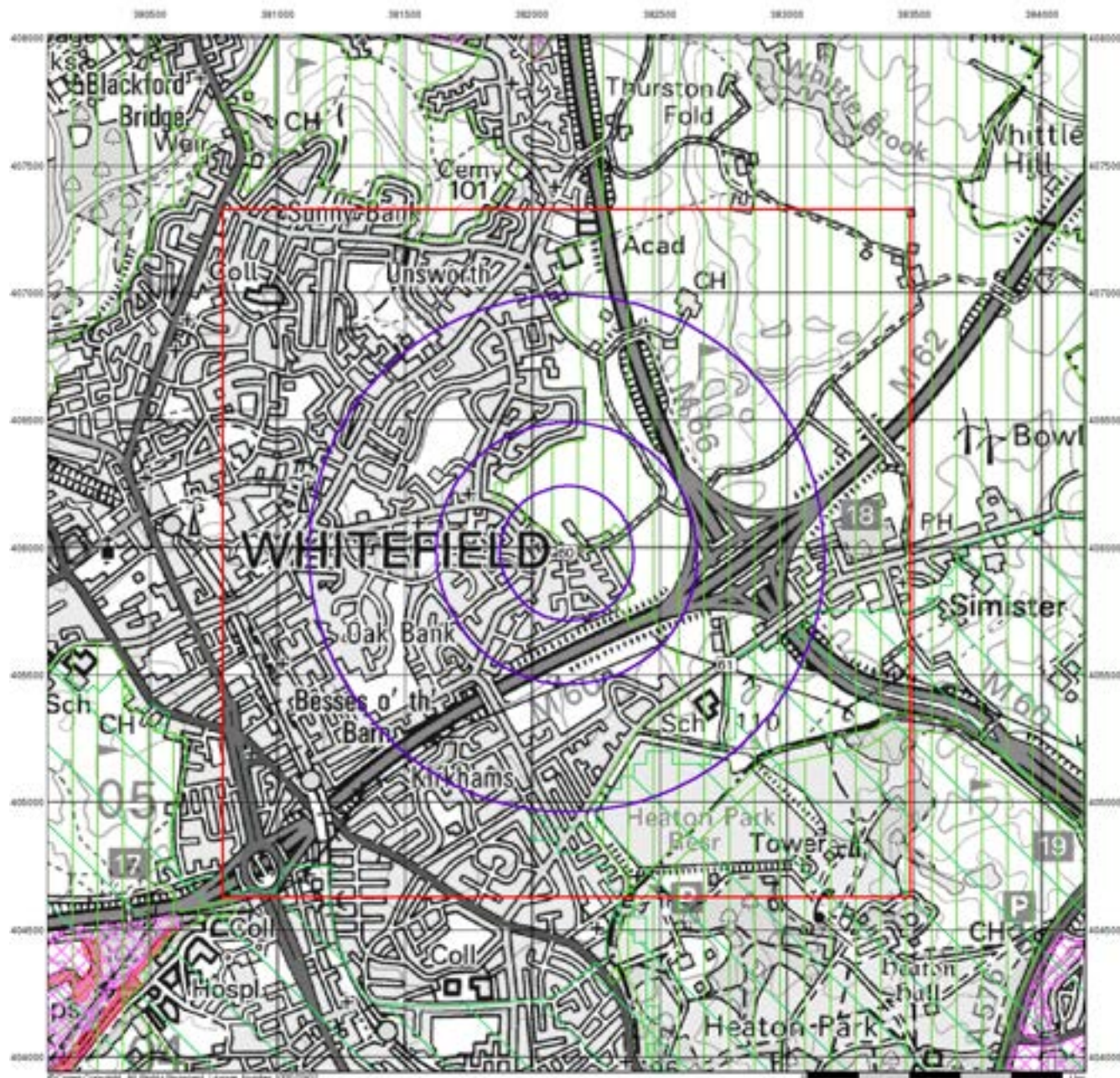


Order Details

Order Number: 312640850_1_1
 Customer Ref: 79400
 National Grid Reference: 382140, 405980
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



Sensitive Land Uses

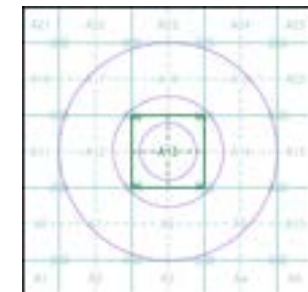
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A

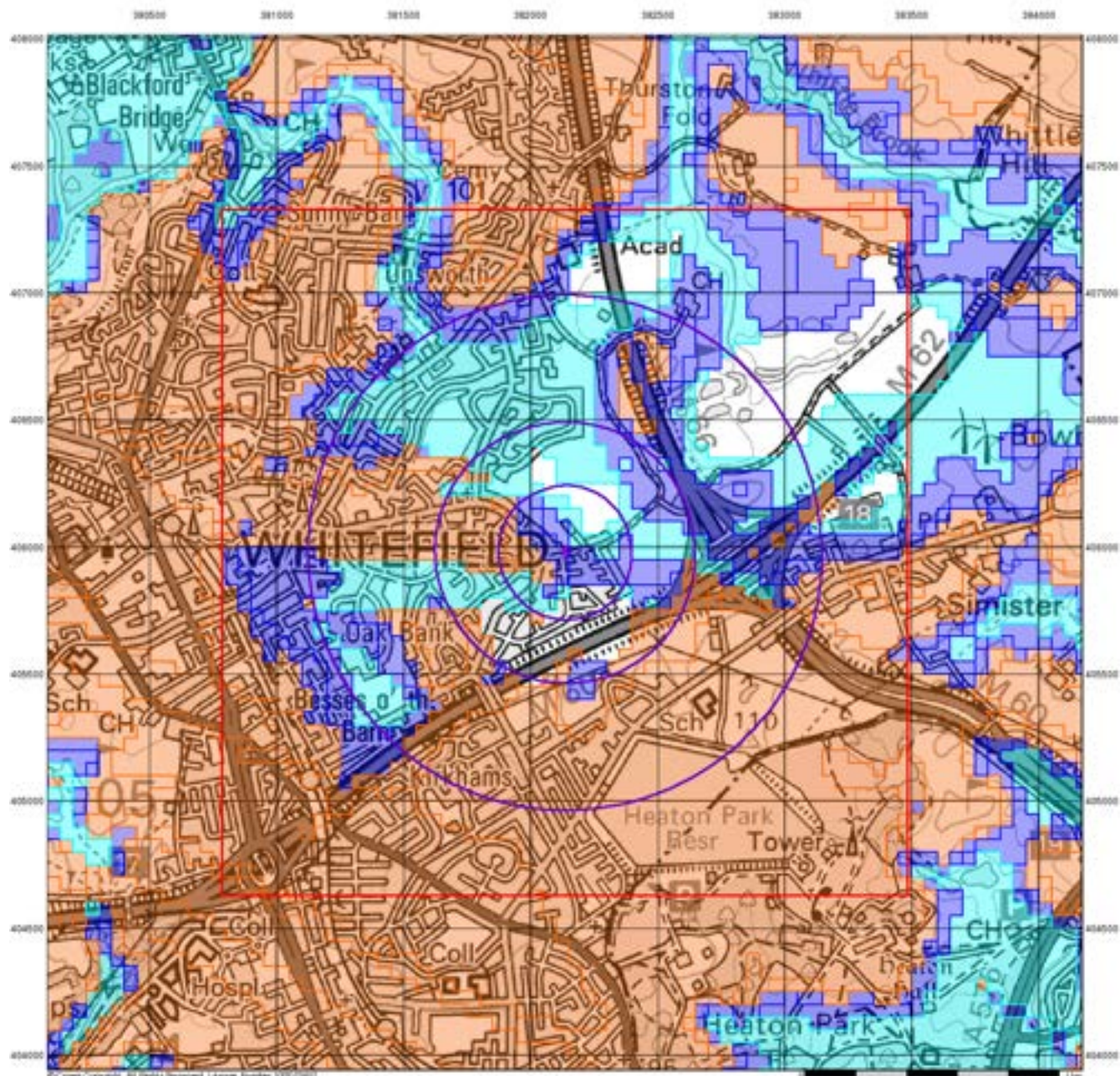


Order Details

Order Number: 312640850_1_1
 Customer Ref: 79400
 National Grid Reference: 382140, 405980
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



BGS Flood GFS Data

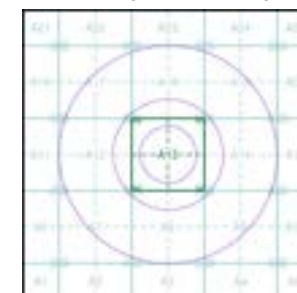
General

- 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: 312640850_1_1
 Customer Ref: 79400
 National Grid Reference: 382140, 405980
 Slice: A
 Site Area (Ha): 0.04
 Search Buffer (m): 1000

Site Details

21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



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

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

312640850_1_1

Customer Reference:

79400

National Grid Reference:

382140, 405980

Slice:

A

Site Area (Ha):

0.04

Search Buffer (m):

1000

Site Details:

21, Mode Hill Lane

Whitefield

MANCHESTER

M45 8JF

Client Details:

Ms J Bayliff

Geo Smart Information Limited

Suite 9-11, 1st Floor

Old Bank Buildings

Bellstone

Shrewsbury

Shropshire

SY1 1HU

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	11
Hazardous Substances	-
Geological	12
Industrial Land Use	14
Sensitive Land Use	18
Data Currency	19
Data Suppliers	24
Useful Contacts	25

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2				1
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 2			Yes	
Pollution Incidents to Controlled Waters	pg 3				3
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality					
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 3			2	1 (*16)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 8	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 8		1	1	18

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 11				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 11	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 12	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 12				4
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 12	Yes	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 12	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 12		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 13	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 13		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 14			6	36
Fuel Station Entries	pg 17				1
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 18	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 18				1
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	0	1	382136 405979
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	5	1	382150 405979
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	8	1	382136 406000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	12	1	382150 406000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	41	1	382100 405950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	115	1	382136 405850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	121	1	382100 405850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	145	1	382050 405850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	158	1	382136 406150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	169	1	382300 406050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	177	1	381950 405950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	179	1	382050 406150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	226	1	382050 406200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	233	1	382050 405750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	235	1	382350 405850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	255	1	382400 405979
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	280	1	382400 405850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	303	1	382400 406150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	334	1	382400 405750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	347	1	382450 405800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	366	1	382150 405600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	372	1	382350 406300

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	A13NW (NW)	379	1	381850 406250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	392	1	382500 405800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	400	1	381800 405750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	405	1	382450 405700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	415	1	382136 405550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	416	1	382150 405550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	427	1	381850 405650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	438	1	382550 405800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	455	1	382600 405950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (NE)	473	1	382500 406300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	479	1	381900 405550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	483	1	382400 406400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	487	1	381750 406300
1	Discharge Consents Operator: M.D. Homes (North West Ltd) Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Plots 1-3 Parrenthorn Farm Corday Lane, Prestwich, Manchester, Lancashire, M25 2rp Authority: Environment Agency, North West Region Catchment Area: Irwell Reference: Npswqd006831 Permit Version: 1 Effective Date: 26th February 2009 Issued Date: 26th February 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Parr Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	560	2	382598 405636
2	Local Authority Pollution Prevention and Controls Name: Edenclough Ltd T/A Academy Fleet Services Location: Albert Close Trading Estate, Whitefield, BURY, M45 8EH Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: Lappc04-13 Dated: 1st January 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorisation certificate surrendered by operator Positional Accuracy: Manually positioned to the address or location	A12SW (W)	857	3	381274 405868
	Nearest Surface Water Feature	A18SE (NE)	412	-	382341 406352

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Petrol Note: Parr Brook Incident Date: 4th August 1995 Incident Reference: 95611982 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Leaking Tank Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	733	2	381500 405600
4	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Parr Brook Incident Date: 22nd November 1993 Incident Reference: 93622158 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	829	2	381700 406700
5	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Parr Brook, Albert Road, WHITEFIELD Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: Blue Incident Date: 7th April 1998 Incident Reference: SO980693 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	871	2	381300 405700
6	Water Abstractions Operator: Onsite Central Limited Licence Number: Nw/069/0004/002 Permit Version: 1 Location: Point A Whitefield Brook At Whitefield, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 27 November Permit Start Date: 1st November 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (S)	320	2	382063 405654
7	Water Abstractions Operator: Onsite Central Limited Licence Number: Nw/069/0004/002 Permit Version: 1 Location: Point B On Whitefield Brooke Whitefield, Manchester Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 27 November Permit Start Date: 1st November 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	342	2	381829 405811

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Water Abstractions Operator: Onsite Central Limited Licence Number: Nw/069/0004/002 Permit Version: 1 Location: Point C On Whitfield Brook Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 27 November Permit Start Date: 1st November 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12NE (W)	531	2	381610 406123
	Water Abstractions Operator: Mr Mr R Monaghan Mr H Adams Mr G Ryan Mr P Bradley Licence Number: 2569002273 Permit Version: 2 Location: Borehole At Hills Lane Unsworth Bury 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Pike Fold Golf Club Hills Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	1089	2	382600 406980
	Water Abstractions Operator: Mr Mr R Monaghan Mr H Adams Mr G Ryan Mr P Bradley Licence Number: 2569002273 Permit Version: 2 Location: Borehole At Hills Lane Unsworth Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Pike Fold Golf Club, Hills Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	1089	2	382600 406980
	Water Abstractions Operator: Mr Mr R Monaghan Mr H Adams Mr G Ryan Mr P Bradley Licence Number: 2569002273 Permit Version: 1 Location: Borehole At Hills Lane Unsworth Bury 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Pike Fold Golf Club Hills Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th July 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	1089	2	382600 406980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr Mr R Monaghan Mr H Adams Mr G Ryan Mr P Bradley Licence Number: 2569002273 Permit Version: 1 Location: Borehole At Hills Lane Unsworth Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Pike Fold Golf Club, Hills Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th July 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	1089	2	382600 406980
	Water Abstractions Operator: Mr Mr Ray Monaghan Mr Harry Adams Mr Ged Ryan Mr Paul Bradley Licence Number: 2569002273/R01 Permit Version: 1 Location: Borehole At Hills Lane Unsworth Bury 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Pike Fold Golf Club Hills Lane Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	1105	2	382647 406975
	Water Abstractions Operator: Mr Mr Ray Monaghan Mr Harry Adams Mr Ged Ryan Mr Paul Bradley Licence Number: 2569002273/R01 Permit Version: 1 Location: Borehole At Hills Lane Unsworth Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Pike Fold Golf Club, Hills Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	1105	2	382647 406975
	Water Abstractions Operator: Mr Mr Ray Monaghan Mr Harry Adams Mr Ged Ryan Mr Paul Bradle Licence Number: 2569002273r01 Permit Version: 1 Location: Borehole At Hills Lane Unsworth Bury 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Pike Fold Golf Club Hills Lane Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	1105	2	382647 406975

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr Mr Ray Monaghan Mr Harry Adams Mr Ged Ryan Mr Paul Bradle Licence Number: 2569002273r01 Permit Version: 1 Location: Borehole At Hills Lane Unsworth Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Pike Fold Golf Club, Hills Lane Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	1105	2	382647 406975
	Water Abstractions Operator: Mr Mr Ray Monaghan Mr Harry Adams Mr Ged Ryan Mr Paul Bradle Licence Number: 2569002273 Permit Version: 3 Location: Borehole At Hills Lane Unsworth Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Pike Fold Golf Club, Hills Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st December 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	1105	2	382647 406975
	Water Abstractions Operator: Mr Mr Ray Monaghan Mr Harry Adams Mr Ged Ryan Mr Paul Bradle Licence Number: 2569002273 Permit Version: 3 Location: Borehole At Hills Lane Unsworth Bury 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Pike Fold Golf Club Hills Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st December 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	1105	2	382647 406975
	Water Abstractions Operator: Danish Crown Uk Limited Licence Number: 2569004042 Permit Version: 102 Location: Borehole At Premises, Stanley Road, Whitefield Authority: Environment Agency, North West Region Abstraction: Food And Drink: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Whitefield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NE (W)	1262	2	380900 406300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Danish Bacon Independent Dbi Ltd Licence Number: 2569004042 Permit Version: 100 Location: Borehole At Premises, Stanley Road, Whitefield Authority: Environment Agency, North West Region Abstraction: Food And Drink: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 436 Yearly Rate (m3): 159295 Details: Premises At Whitefield Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st July 1986 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NE (W)	1262	2	380900 406300
	Water Abstractions Operator: Total Fitness Uk Ltd Licence Number: 2569004056 Permit Version: 1 Location: Land At Total Fitness Bury New Road Whitefield Bury Authority: Environment Agency, North West Region Abstraction: Sports Grounds/Facilities: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Total Fitness, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th February 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (W)	1718	2	380450 406380
	Water Abstractions Operator: Total Fitness Health Clubs Limited Licence Number: Nw/069/0004/004 Permit Version: 1 Location: Borehole At Whitefield, Manchester Authority: Environment Agency, North West Region Abstraction: Sports Grounds/Facilities: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Total Fitness, Bury Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 29th January 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A16SW (W)	1719	2	380450 406381
	Water Abstractions Operator: Whitefield Golf Club Ltd Licence Number: 2569004052 Permit Version: 101 Location: Borehole At Whitefield Golf Club, Higher Lane, Whitefield 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Whitefield Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 9th November 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1808	2	380420 405380

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Whitefield Golf Club Licence Number: 2569004052 Permit Version: 100 Location: Borehole At Whitefield Golf Club, Higher Lane, Whitefield 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): 100 Yearly Rate (m3): 8000 Details: Land At Whitefield Golf Club Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 19th April 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1808	2	380420 405380
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: >70% Superficial Patchiness: >90% Superficial Thickness: >10m Superficial Recharge: High	A13NE (N)	0	4	382136 405979
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NE (N)	0	4	382136 405979
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (N)	0	4	382136 405979
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1246.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	143	5	382214 405841
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	496	5	382519 405640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.4 Watercourse Level: Underground Permanent: True Watercourse Name: Parr Brook Catchment Name: Mersey Primacy: 1	A12NE (NW)	666	5	381540 406309
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 131.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Parr Brook Catchment Name: Mersey Primacy: 1	A17SE (NW)	674	5	381546 406336
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 416.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (W)	686	5	381481 406227
14	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 99.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	699	5	381463 405756
15	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 342.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	700	5	382700 406415
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	702	5	381467 405736
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: Underground Permanent: True Watercourse Name: Parr Brook Catchment Name: Mersey Primacy: 1	A17SE (NW)	720	5	381582 406462
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Parr Brook Catchment Name: Mersey Primacy: 1	A17SE (NW)	728	5	381771 406623
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Parr Brook Catchment Name: Mersey Primacy: 1	A17SE (NW)	730	5	381788 406635

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Parr Brook Catchment Name: Mersey Primacy: 1	A17SE (NW)	733	5	381575 406473
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Parr Brook Catchment Name: Mersey Primacy: 1	A17SE (NW)	753	5	381688 406602
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Parr Brook Catchment Name: Mersey Primacy: 1	A17NE (NW)	870	5	381690 406741
23	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.9 Watercourse Level: Underground Permanent: True Watercourse Name: Parr Brook Catchment Name: Mersey Primacy: 1	A17NE (NW)	894	5	381669 406756
24	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 513.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Parr Brook Catchment Name: Mersey Primacy: 1	A17NE (NW)	920	5	381636 406768
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 475.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	968	5	382881 406616
26	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	968	5	382881 406616
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	972	5	382763 406739
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.3 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	996	5	382777 406759

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Historical Landfill Sites Licence Holder: Costain Engineering and Construction Limited Location: Farm Lane, Simister, Bury, Greater Manchester Name: Land to the South of Whitehouse Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16086 First Input Date: 31st October 1993 Last Input Date: 25th May 1994 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9307 BGS Ref: Not Supplied Other Ref: C096, RD/LIC/1046/93	A14SE (E)	951	2	383059 405704
	Local Authority Landfill Coverage Name: Bury Metropolitan Borough Council - Has not been able to supply Landfill data		0	6	382136 405979

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13NE (N)	0	1	382136 405979
30	BGS Recorded Mineral Sites Site Name: Cold Gate Sand Pit Location: Simister, Middleton, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96890 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A14NW (E)	575	1	382713 406056
31	BGS Recorded Mineral Sites Site Name: Besses O'Th' Barn Brick Works Location: Besses O'Th' Barn, Whitefield, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96925 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7NE (SW)	866	1	381571 405310
32	BGS Recorded Mineral Sites Site Name: The Hills Gravel Pit Location: Whitefield, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96926 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19NW (N)	882	1	382473 406810
33	BGS Recorded Mineral Sites Site Name: Brick Hill Bank Brick Field Location: Whitefield, Bury, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96889 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Till, Devensian Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SW (W)	884	1	381239 405959
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (N)	0	7	382136 405979
	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	A13NE (N)	0	1	382136 405979
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	92	1	382229 406019
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	166	1	382166 405801
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	382136 405979

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	79	1	382186 405898
	Potential for Compressible Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	92	1	382229 406019
	Potential for Compressible Ground Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	166	1	382166 405801
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	382136 405979
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	382136 405979
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	382136 405979
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	79	1	382186 405898
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	0	1	382136 405979
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	79	1	382186 405898
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	171	1	381955 406022
	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	A13NE (N)	0	1	382136 405979
	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	A13NE (N)	0	1	382136 405979

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Contemporary Trade Directory Entries Name: Mark Anthony Dental Maintenance Ltd Location: 35, Kenmore Road, Whitefield, Manchester, M45 8ES Classification: Medical Equipment Maintenance & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	275	-	381884 405851
35	Contemporary Trade Directory Entries Name: Enterprise Print Services Location: 45, Hindburn Close, Whitefield, Manchester, M45 8JQ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	276	-	381849 406024
36	Contemporary Trade Directory Entries Name: Northern Flash Repairs Location: 30, Kenmore Road, Whitefield, Manchester, M45 8ER Classification: Photographic Equipment Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	325	-	381856 405801
37	Contemporary Trade Directory Entries Name: Statley Holmes Ltd Location: 6, MERSEY DRIVE, WHITEFIELD, MANCHESTER, M45 8LA Classification: Staircase, Balustrade & Handrail Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	390	-	381825 406238
38	Contemporary Trade Directory Entries Name: Cjb Auto Repairs Location: 8, Beverley Close, Whitefield, Manchester, M45 8BB Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	475	-	381692 406185
39	Contemporary Trade Directory Entries Name: I Am The Man With A Van Location: 20, Hazel Road, Whitefield, MANCHESTER, M45 8EU Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	478	-	381707 405753
40	Contemporary Trade Directory Entries Name: Bodyshop Technical Services Ltd Location: Unit 2, Albert Road, Whitefield, Manchester, M45 8NH Classification: Spraying - Paint & Coatings Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (W)	505	-	381640 405841
41	Contemporary Trade Directory Entries Name: Steam & Sew Location: 23, Hazel Road, Whitefield, Manchester, M45 8EU Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	509	-	381725 405669
41	Contemporary Trade Directory Entries Name: Busy Bees Location: 25, Hazel Road, Whitefield, Manchester, M45 8EU Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	510	-	381719 405673
42	Contemporary Trade Directory Entries Name: Fastclean Location: 11, Roch Walk, Whitefield, Manchester, M45 8RT Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	520	-	381944 406475
43	Contemporary Trade Directory Entries Name: Stairlift Removals Location: 36, Parrenthorn Road, Prestwich, Manchester, M25 2RL Classification: Stairlifts - Manufacturers & Installers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	580	-	382390 405441
44	Contemporary Trade Directory Entries Name: Hedleys Transport Ltd Location: 1, Hilltop Avenue, Whitefield, Manchester, M45 8FG Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	615	-	381583 405693

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	Contemporary Trade Directory Entries Name: Swan Projects Location: 38, Stanway Road, Whitefield, Manchester, M45 8FX Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	656	-	381553 405662
45	Contemporary Trade Directory Entries Name: Magical Fireworks Ltd Location: 9, Cambeck Walk, Whitefield, Manchester, M45 8NB Classification: Firework Technicians, Manufacturers & Distribution Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (W)	678	-	381484 406215
46	Contemporary Trade Directory Entries Name: D S R Cartons Location: 17, St. Josephs Avenue, Whitefield, Manchester, M45 6NT Classification: Boxes & Cartons Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	724	-	381986 405257
47	Contemporary Trade Directory Entries Name: Mark Kendrew Transport Location: 90, Cunningham Drive, Bury, BL9 8PD Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	738	-	381477 406343
48	Contemporary Trade Directory Entries Name: Unsworth Pole Garage Location: 1A Pole La, Bury, Lancashire, BL9 8QD Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	768	-	382240 406754
49	Contemporary Trade Directory Entries Name: G D R Domestic Appliance Specialists Location: 1, Mardale Close, Prestwich, Manchester, M25 2RG Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	792	-	382217 405177
50	Contemporary Trade Directory Entries Name: Academy Fleet Location: Unit 1/2, Albert Close Trading Estate, Whitefield, Manchester, Lancashire, M45 8EH Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SW (W)	856	-	381275 405867
51	Contemporary Trade Directory Entries Name: A M S Electrical Services Location: 4, Carlisle Close, Whitefield, Manchester, M45 6TH Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	857	-	381775 405189
52	Contemporary Trade Directory Entries Name: Samuel Simpson & Co Ltd Location: Unit 4, Albert Close Trading Estate, Whitefield, Manchester, M45 8EH Classification: Soft Furnishings - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	882	-	381255 405830
52	Contemporary Trade Directory Entries Name: Simpson Interiors Location: Unit 3, Albert Close Trading Estate, Whitefield, Manchester, Lancashire, M45 8EH Classification: Soft Furnishings - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	882	-	381255 405830
52	Contemporary Trade Directory Entries Name: Acegate (Manufacturing) Ltd Location: Unit 3, Albert Close Trading Estate, Whitefield, Manchester, M45 8EH Classification: Roller Shutter Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	906	-	381232 405817

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	Contemporary Trade Directory Entries Name: Astral Chemical Solutions Ltd Location: Albert CI Trading Est, Whitefield, Manchester, Lancashire, M45 8EH Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12SW (W)	919	-	381215 405842
52	Contemporary Trade Directory Entries Name: Northern Golf & Sports Ltd Location: Albert Close Trading Estate, Whitefield, Manchester, M45 8EH Classification: Sports Equipment Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	934	-	381210 405791
52	Contemporary Trade Directory Entries Name: Universal Imports Location: Unit 1, Albert Close Trading Estate, Whitefield, Manchester, M45 8EH Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	934	-	381210 405791
53	Contemporary Trade Directory Entries Name: Appy Waste Location: 74, Pole Lane, Bury, BL9 8PX Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	903	-	382080 406893
54	Contemporary Trade Directory Entries Name: Graham Bullas Location: Unit 1 Block 3, Albert CI Trading Est, Whitefield, Manchester, M45 8EH Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12SW (W)	913	-	381218 405866
54	Contemporary Trade Directory Entries Name: N J Autobodies Ltd Location: UNIT 2 BLOCK 3, ALBERT TRADING ESTATE, ALBERT CLOSE, WHITEFIELD, MANCHESTER, M45 8EH Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	949	-	381179 405882
54	Contemporary Trade Directory Entries Name: Eric Moore & Co Ltd Location: Albert Close Trading Estate, Whitefield, Manchester, M45 8EH Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	958	-	381174 405851
54	Contemporary Trade Directory Entries Name: Northern Autos Nw Ltd Location: Albert Close Trading Estate, Whitefield, Manchester, M45 8EH Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	960	-	381169 405875
54	Contemporary Trade Directory Entries Name: Toretto Motor Sales Location: Unit 1 Block 2, Albert Trading Estate, Albert Close, Whitefield, Manchester, M45 8EH Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	962	-	381171 405848
54	Contemporary Trade Directory Entries Name: Express Dairies Location: Albert Close Trading Estate, Whitefield, Manchester, M45 8DU Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	981	-	381148 405878
55	Contemporary Trade Directory Entries Name: Whitefield M O T Centre Location: Unit 2 Block 6, Albert Trading Estate, Albert Close, Whitefield, Manchester, M45 8EH Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	957	-	381166 405971

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	Contemporary Trade Directory Entries Name: Ventheat Engineering Co Ltd Location: Albert Close Trading Estate, Whitefield, Manchester, M45 8EH Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	957	-	381166 405971
55	Contemporary Trade Directory Entries Name: Ventheat Engineering Location: Albert Close Trading Estate, Whitefield, Manchester, M45 8EH Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	957	-	381166 405971
55	Contemporary Trade Directory Entries Name: Transmatic Location: Unit 2c, Albert New Mill, Albert Close, Whitefield, Manchester, M45 8EH Classification: Garage Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	984	-	381139 405953
55	Contemporary Trade Directory Entries Name: Alpine Car Sales Manchester Location: Albert New Mill, Albert Close, Whitefield, Manchester, Greater Manchester, M45 8EH Classification: Car Dealers - Used Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	984	-	381139 405953
56	Contemporary Trade Directory Entries Name: Tony Hill Fireplaces Location: 135, Randle Drive, Bury, Lancashire, BL9 8NE Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	966	-	381379 406603
56	Contemporary Trade Directory Entries Name: Scrubbers Clean Commercial Ltd Location: Bury, BL9 8LU Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	966	-	381379 406603
57	Contemporary Trade Directory Entries Name: Parr Lane Service Station Location: Parr Lane, Bury, Lancashire, BL9 8LZ Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	970	-	381345 406566
58	Contemporary Trade Directory Entries Name: Rainbow Cosmetics Location: Edward House, 61, Stanley Road, Whitefield, Manchester, M45 8GZ Classification: Cosmetic Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	1000	-	381164 406269
59	Fuel Station Entries Name: Parr Lane Service Station Location: Parr Lane, Unsworth, Bury, Greater Manchester, BL9 8LZ Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Approximate location provided by supplier	A17NE (NW)	873	-	381595 406682

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	Areas of Adopted Green Belt Authority: Bury Metropolitan Borough Council Plan Name: Bury Unitary Development Plan Status: Adopted Plan Date: 29th August 1997	A13NE (NE)	0	6	382136 405979
61	Nitrate Vulnerable Zones Name: River Irk (Moston Brook To River Irwell) Nvz Description: Surface Water Source: Environment Agency, Head Office	A9NW (SE)	749	4	382763 405542

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Manchester City Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department	June 2020 October 2017 October 2017 October 2017 October 2017 September 2017 September 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	April 2023	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department Manchester City Council - Environmental Health Department	February 2015 July 2014 July 2014 March 2015 March 2015 September 2014	Variable Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Bury Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department Manchester City Council - Environmental Health Department	February 2015 July 2014 July 2014 March 2015 March 2015 September 2014	Not Applicable Annual Rolling Update Not Applicable Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department Manchester City Council - Environmental Health Department	February 2015 July 2014 July 2014 March 2015 March 2015 September 2014	Variable Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	April 2023	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	
Registered Radioactive Substances Environment Agency - North West Region	June 2016	As notified
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	April 2023	Quarterly
Water Abstractions Environment Agency - North West Region	April 2023	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2023	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	April 2023	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	March 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area	January 2023	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	January 2023	Quarterly
Local Authority Landfill Coverage Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018 October 2018	
Registered Landfill Sites Environment Agency - North West Region - South Area	March 2006	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area	April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area	June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Salford City Council Rochdale Metropolitan Borough Council	February 2016 February 2016 February 2016 February 2016 June 2016 May 2023	Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Salford City Council	February 2016 February 2016 February 2016 February 2016 February 2016 June 2016	Variable Variable Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2022	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	February 2023	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2023	Bi-Annually
Areas of Adopted Green Belt Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Manchester City Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Salford City Council	July 2022 July 2022 July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Manchester City Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Salford City Council	July 2022 July 2022 July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	April 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	March 2023	Bi-Annually
Marine Nature Reserves Natural England	April 2023	Bi-Annually
National Nature Reserves Natural England	February 2023	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	March 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2023	Bi-Annually
Special Areas of Conservation Natural England	April 2023	Bi-Annually
Special Protection Areas Natural England	April 2023	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Bury Metropolitan Borough Council - Environmental Health Department 3 Knowsley Place, Duke Street, Bury, Lancashire, BL9 0EJ	Telephone: 0161 253 5000 Fax: 0161 253 5563 Website: www.bury.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Bury Metropolitan Borough Council Craig House, Bank Street, Bury, Lancashire, BL9 0DN	Telephone: 0161 253 5000 Fax: 0161 705 5290 Website: www.bury.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Manchester City Council Town Hall, Albert Square, Manchester, Greater Manchester, M60 2JT	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
10	Rochdale Metropolitan Borough Council PO Box 15, Town Hall, Rochdale, Greater Manchester, OL16 1AB	Telephone: 01706 647474 Fax: 01706 59475 Website: www.rochdale.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

3.4 Risk assessment methodology

The method of risk evaluation adopted in this document is consistent with CIRIA C552 (2001). Hence, risk is considered to be a function of both the probability (likelihood) of contamination occurring at the study site and also the potential severity (consequence) of the environmental impacts associated with this contamination.

The classification system used to define contaminant probability, consequence and risk is described in the following tables.

Table A: Classification of probability

Classification	Definition
High likelihood	There is a contaminant linkage and an event that appears either very likely in the short term and almost inevitable over the long term, or there is evidence at the receptor of harm or pollution.
Likely	There is a contaminant 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.
Low likelihood	There is a contaminant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is contaminant linkage but circumstances are such that it is improbable that an event would occur even in the long term.

Table B: Classification of consequence

Classification	Receptor	Definition	Examples
Severe	Humans	Short-term (acute) risk to human health likely to result in "significant harm" as defined in the CTL Statutory Guidance	High concentrations of cyanide on the surface of an informal recreation area
	Controlled waters	Short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource	Major spillage of contaminants from site into controlled water
	Property	Catastrophic damage to buildings/property	Explosion, causing building collapse (can also equate to an acute human health risk if buildings are occupied)
	Ecology	A short-term risk to a particular ecosystem, or organism forming part of such eco-system	Potentially long term derogation of a designated site or protected species
Medium	Humans	Chronic damage to human health ("significant harm" as defined in the CTL Statutory Guidance)	Concentrations of a contaminant from a residential site exceed the site-specific assessment criteria
	Controlled waters	Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution)	Leaching of contaminants from a site to a principal or secondary aquifer
	Property	Significant damage to crops, buildings, structures and services	Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability)
	Ecology	A significant change in a particular ecosystem	Death of a species within a designated nature reserve

Table B: Classification of consequence (continued)

Classification	Receptor	Definition	Examples
Mild	Humans	Contamination present although unlikely to constitute a significant chronic health risk	Concentrations of a contaminant from a public access site moderately exceed the generic assessment criteria
	Controlled waters	Pollution of non-water resources	Pollution of non-classified groundwater
	Property	Damage to sensitive buildings/structures/services	Aggressive ground conditions leading to potential for long term degradation of buried concrete
	Ecology	Damage to the environment	Localised damage to aquatic habitat causing temporary relocation of certain species
Minor	Humans	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc.)	The presence of contaminants at such concentrations that protective equipment is required during site works
	Controlled waters	Potential minor release of contamination to local water features	Short term or low volume release of potentially polluting material to a secondary surface water course of low existing quality
	Property	Easily reparable effects of damage to buildings, structures and services. Harm which may result in a financial loss, or expenditure to resolve	The loss of plants in a landscaping scheme. Discolouration of concrete
	Ecology	Short term, localised damage may occur; consequences are spatially and temporally limited	Short term or localised disruption to in situ flora or fauna; no lasting effects

Table C: Risk classification (comparison of consequence and probability)

		Consequence (severity)			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

Risk Key

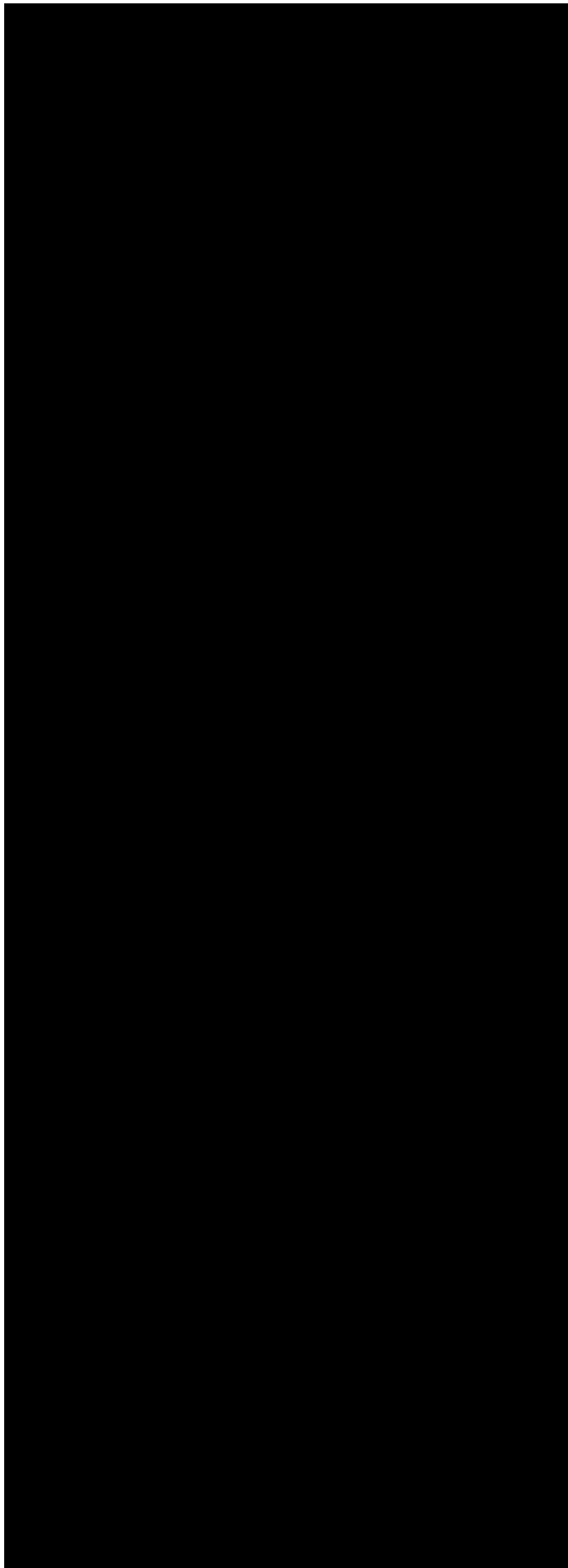
Very High	High	Moderate	Moderate/Low	Low	Very Low
There is a high probability that severe harm could arise to a designated receptor from an identified hazard without appropriate remediation action	Harm is likely to arise to a designated receptor from an identified hazard at the site without appropriate remediation action	It is possible that without appropriate remediation action harm could arise to a designated receptor. It is relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely that such harm would be relatively mild	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely any harm would be mild	It is possible that harm could arise to a designated receptor from an identified hazard. It is likely that, at worst if any harm was realised any effects would be mild	The presence of an identified hazard does not give rise to the potential to cause harm to a receptor

3.5 Historical land use maps

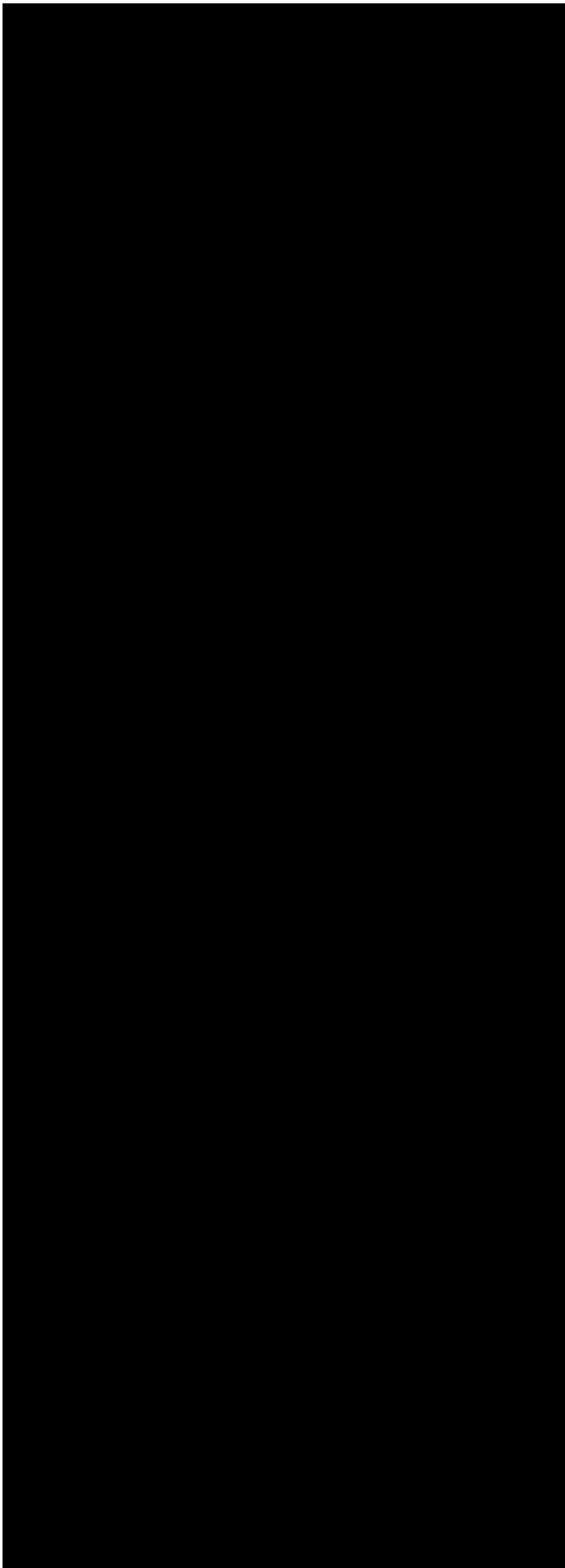
Historical Ordnance Survey maps relating to the site and its surrounding area have been provided by Landmark.

Historical Mapping Legends

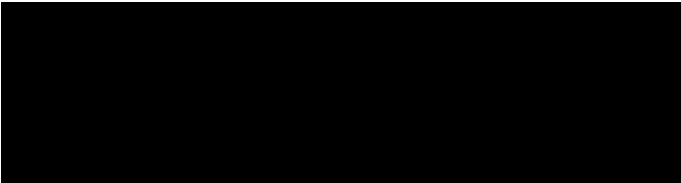
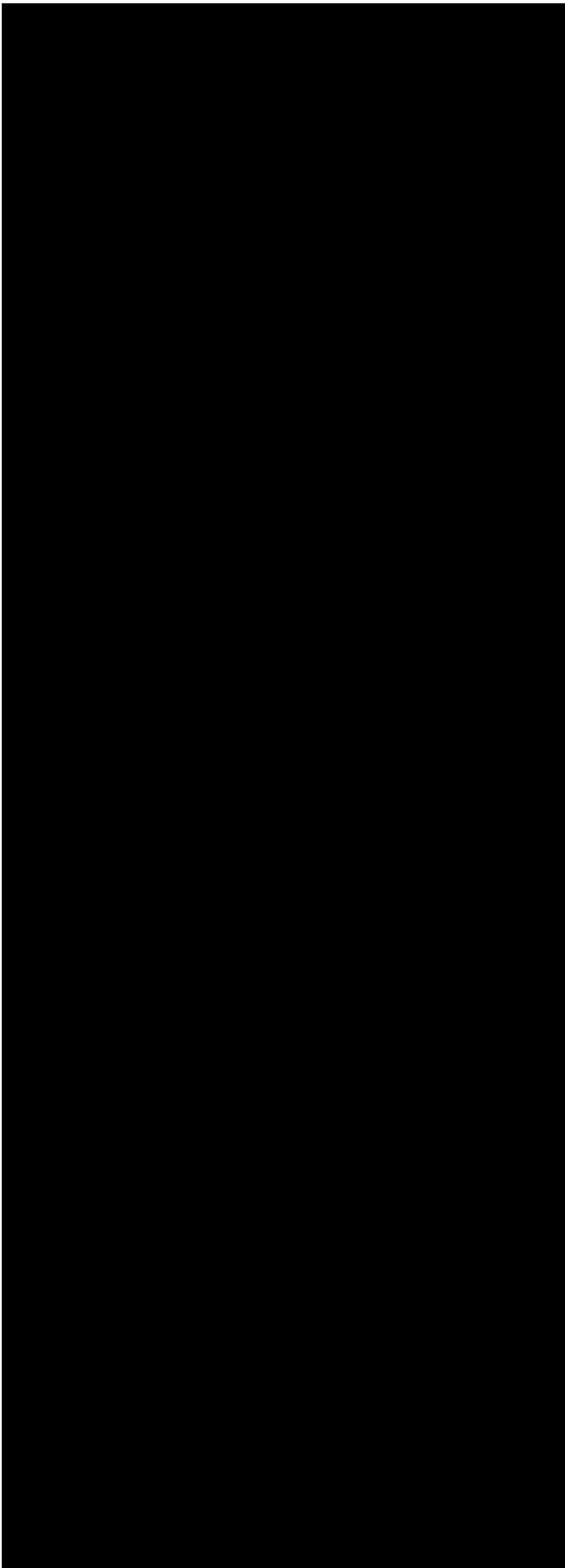
Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



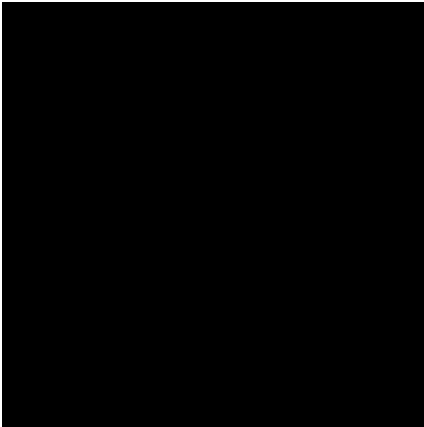
1:10,000 Raster Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	2
Lancashire And Furness	1:10,560	1894	3
Lancashire And Furness	1:10,560	1910	4
Lancashire And Furness	1:10,560	1923	5
Lancashire And Furness	1:10,560	1932	6
Lancashire And Furness	1:10,560	1938	7
Ordnance Survey Plan	1:10,000	1955 - 1956	8
Ordnance Survey Plan	1:10,000	1965 - 1968	9
Ordnance Survey Plan	1:10,000	1974 - 1979	10
Ordnance Survey Plan	1:10,000	1983 - 1986	11
10K Raster Mapping	1:10,000	1999	12
Street View	Variable		13

Historical Map - Slice A



Order Details

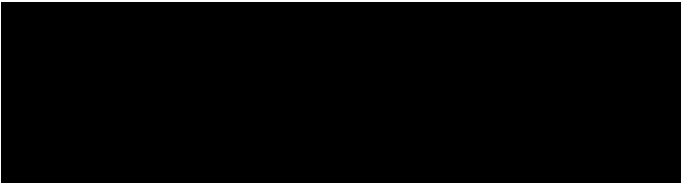
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Customer Ref: 79400
National Grid Reference: 382140, 405980
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 1000

Site Details

21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



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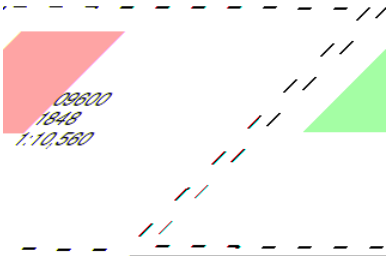
Lancashire And Furness

Published 1848

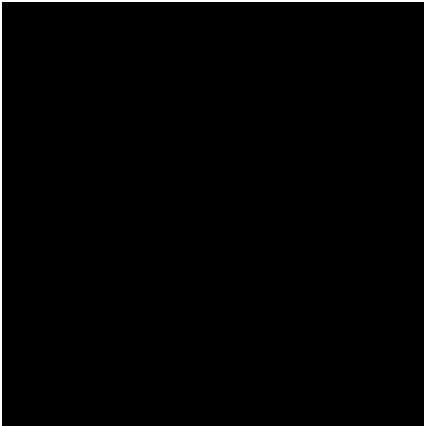
Source map scale - 1:10,560

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

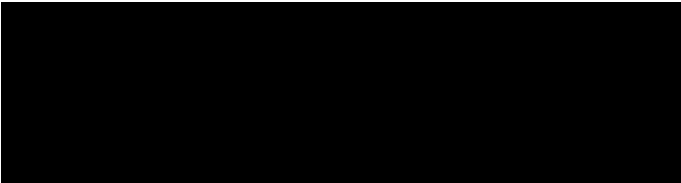
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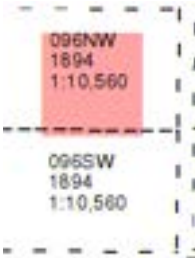
Lancashire And Furness

Published 1894

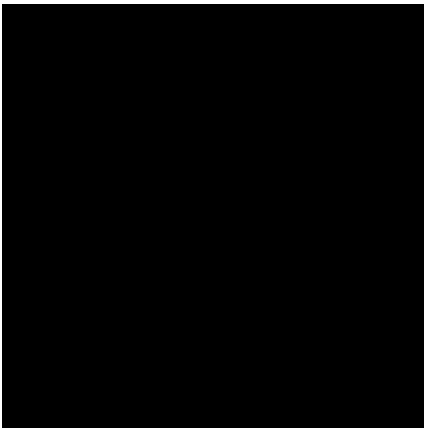
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

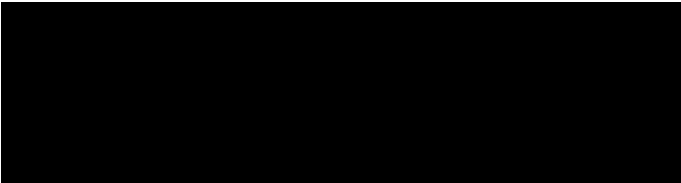
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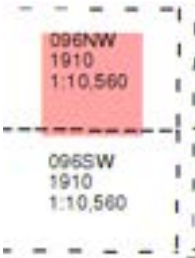
Lancashire And Furness

Published 1910

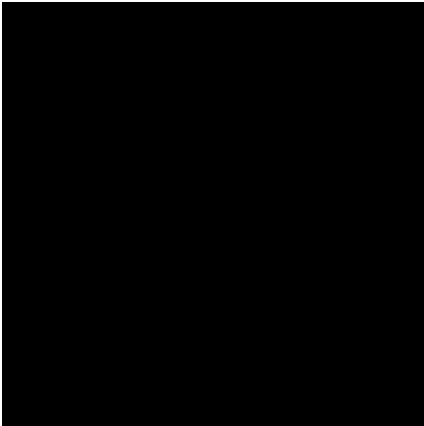
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

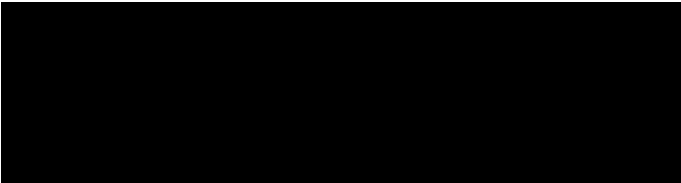
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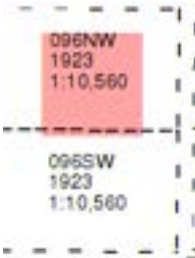
Lancashire And Furness

Published 1923

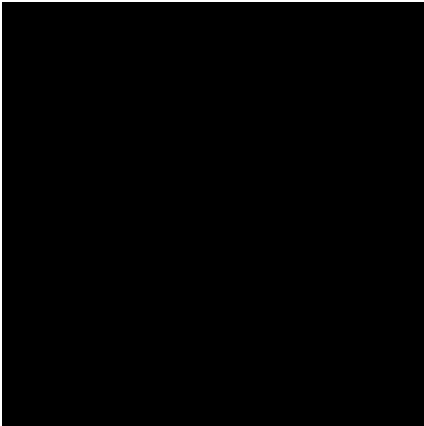
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

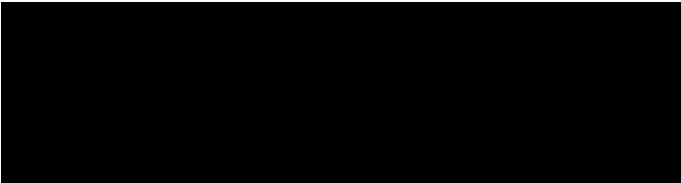
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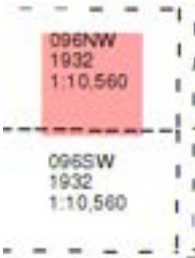
Lancashire And Furness

Published 1932

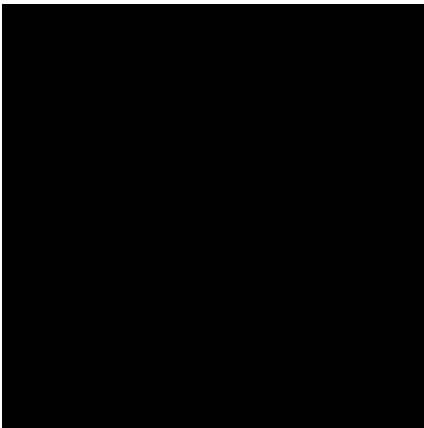
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

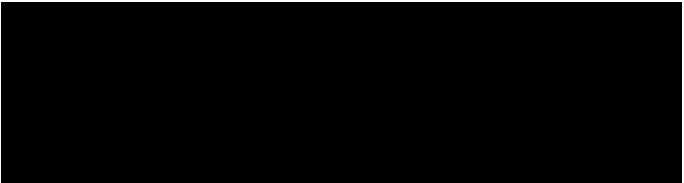
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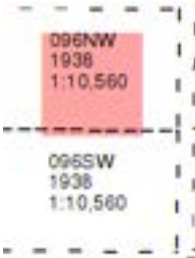
Lancashire And Furness

Published 1938

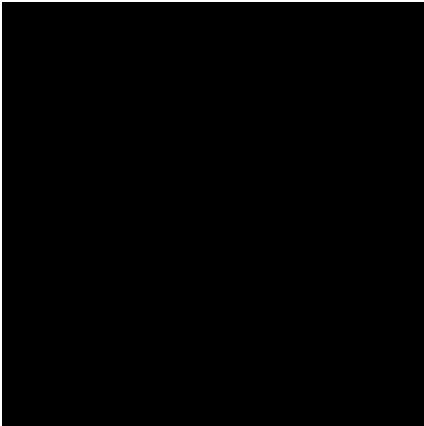
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

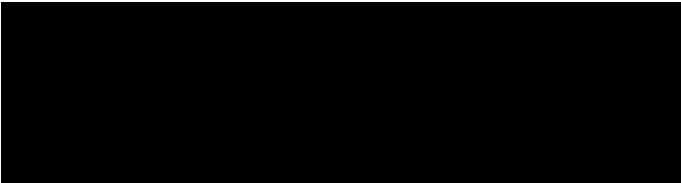
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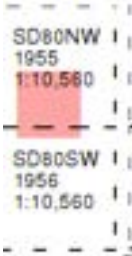
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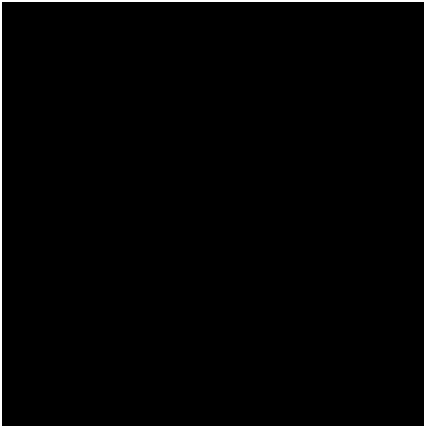
Ordnance Survey Plan
Published 1955 - 1956
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

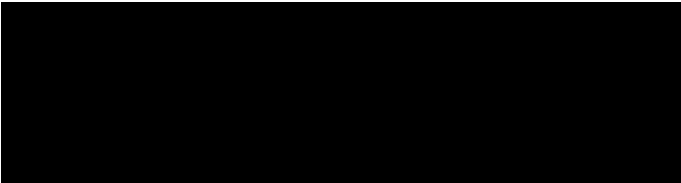


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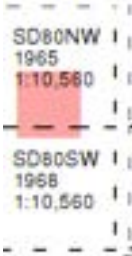
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Web: www.envirocheck.co.uk



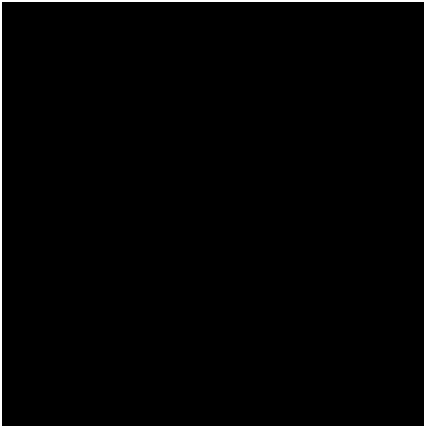
Ordnance Survey Plan
Published 1965 - 1968
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

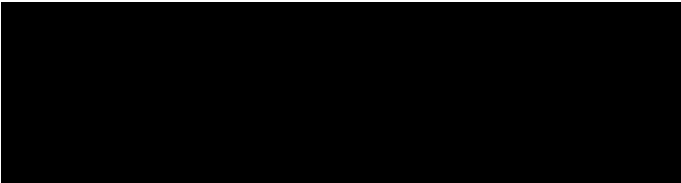


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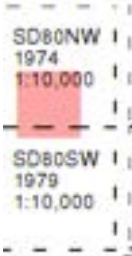
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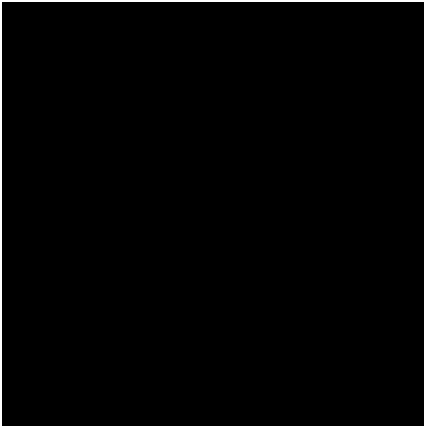
Ordnance Survey Plan
Published 1974 - 1979
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

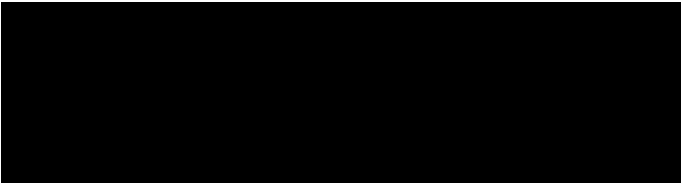


Order Details
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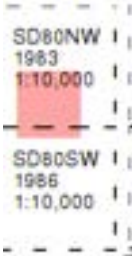
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Web: www.envirocheck.co.uk



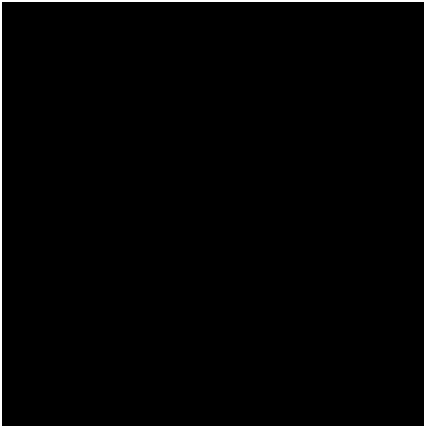
Ordnance Survey Plan
Published 1983 - 1986
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A

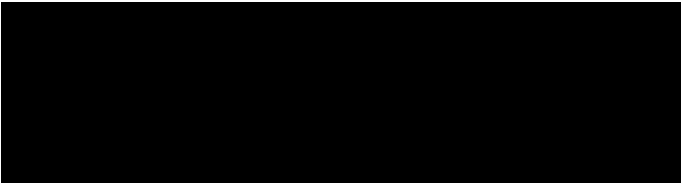


Order Details
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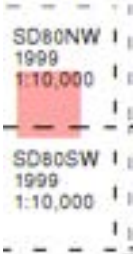
10k Raster Mapping

Published 1999

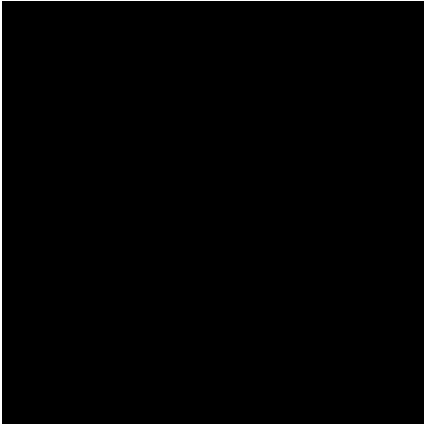
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

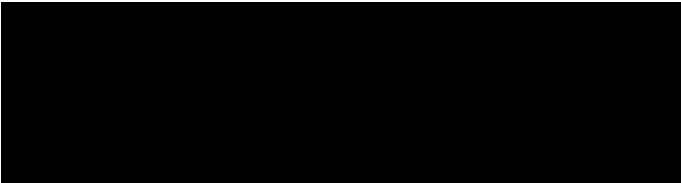
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Customer Ref: 79400
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Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 1000

Site Details

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Street View

Published 2023

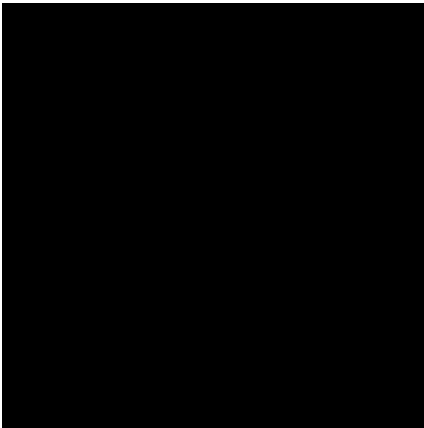
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

Order Number: 312640850_1_1
Customer Ref: 79400
National Grid Reference: 382140, 405980
Slice: A
Site Area (Ha): 0.04
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Site Details

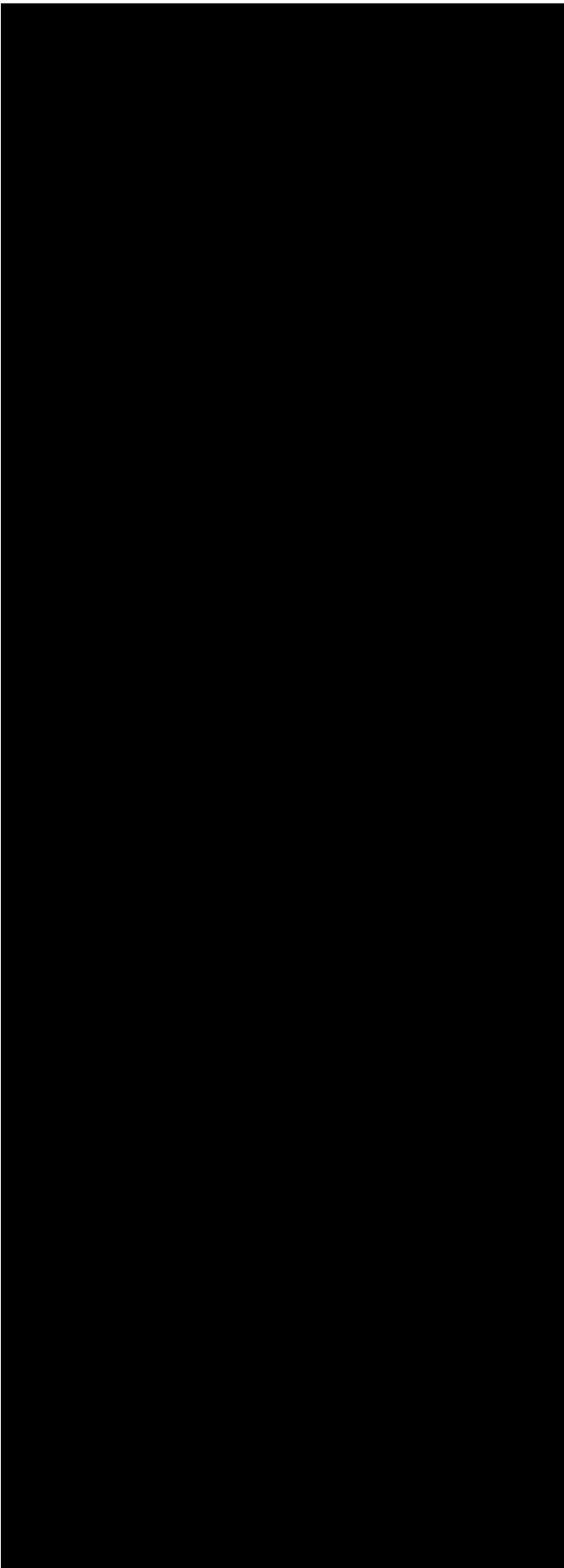
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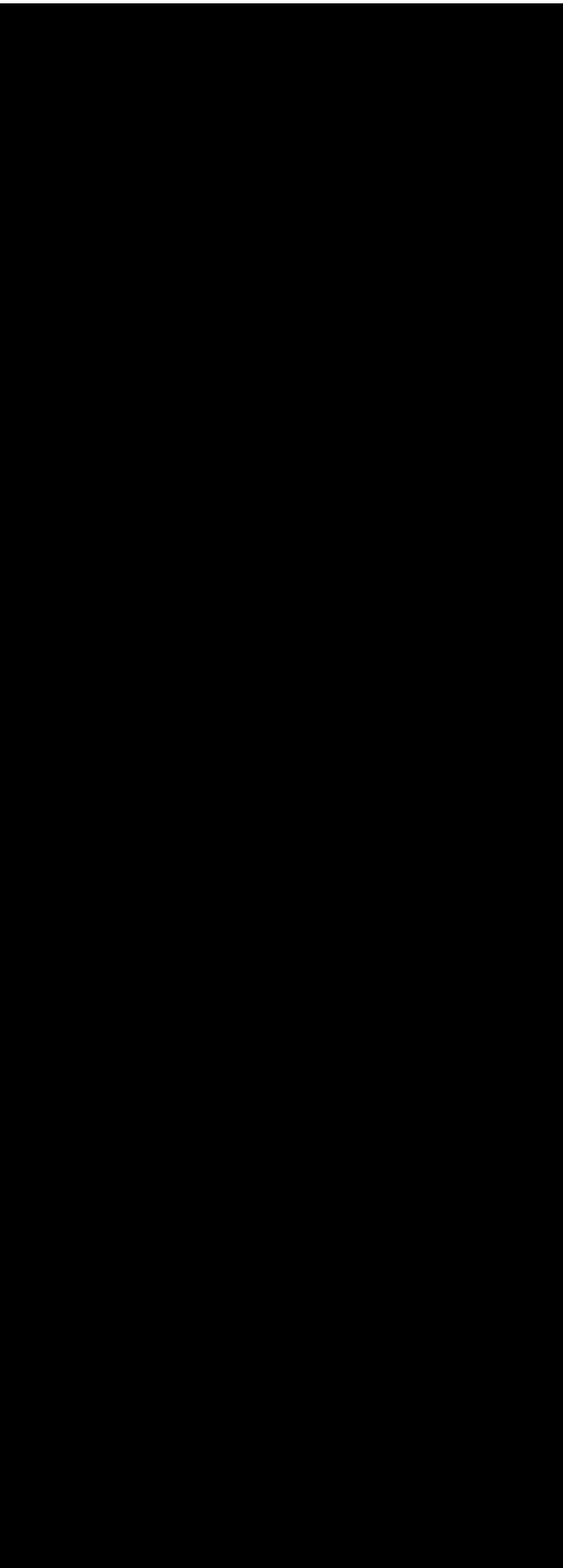
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

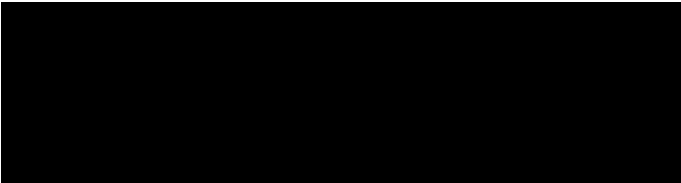
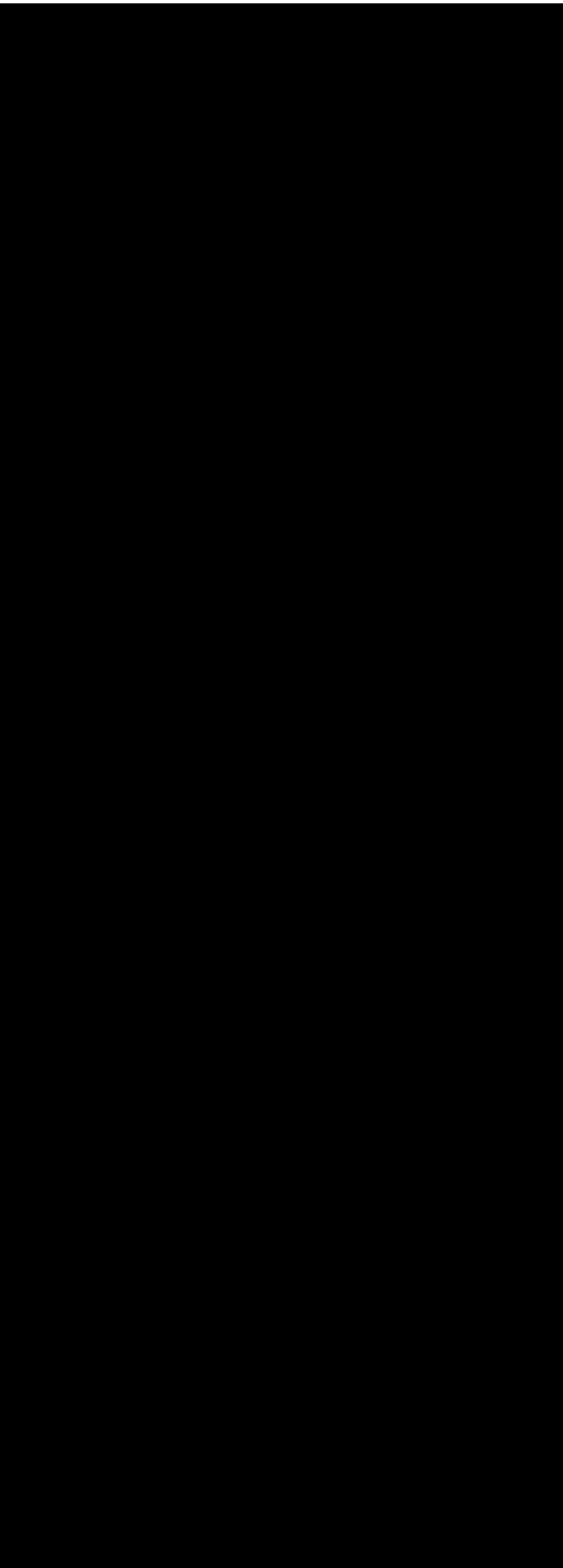
Ordnance Survey County Series and
Ordnance Survey Plan 1:2,500



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



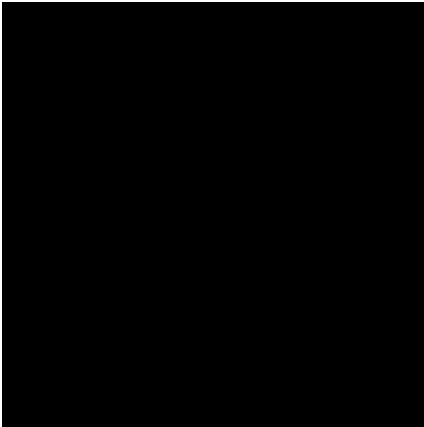
Large-Scale National Grid Data 1:2,500 and
1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1909	3
Lancashire And Furness	1:2,500	1932	4
Ordnance Survey Plan	1:1,250	1956	5
Ordnance Survey Plan	1:2,500	1956 - 1958	6
Ordnance Survey Plan	1:1,250	1969 - 1970	7
Ordnance Survey Plan	1:2,500	1970 - 1971	8
Additional SIMs	1:1,250	1977 - 1978	9
Additional SIMs	1:2,500	1981	10
Ordnance Survey Plan	1:1,250	1984	11
Ordnance Survey Plan	1:2,500	1986	12
Additional SIMs	1:2,500	1986	13
Large-Scale National Grid Data	1:1,250	1992	14
Large-Scale National Grid Data	1:1,250	1992 - 1994	15

Historical Map - Segment A13



Order Details

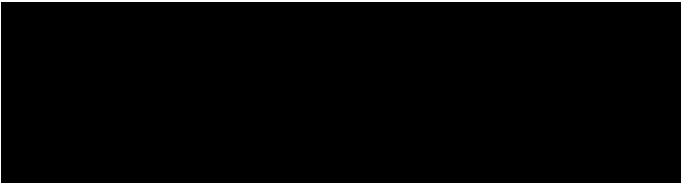
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21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



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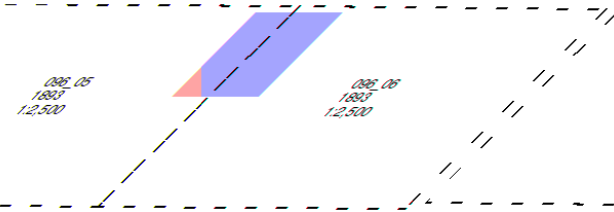
Lancashire And Furness

Published 1893

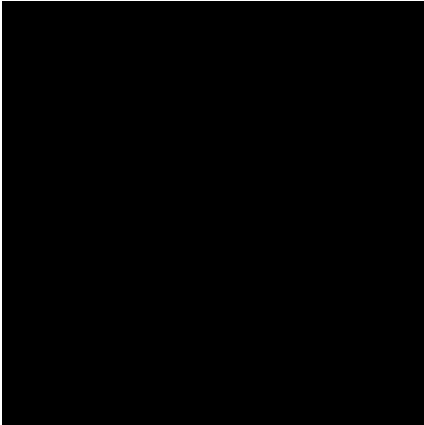
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

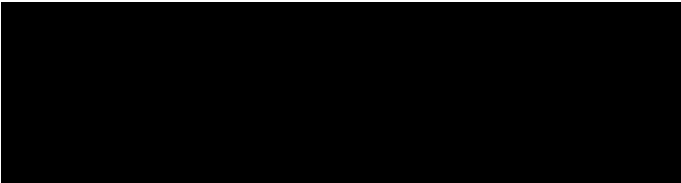
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Search Buffer (m): 100

Site Details

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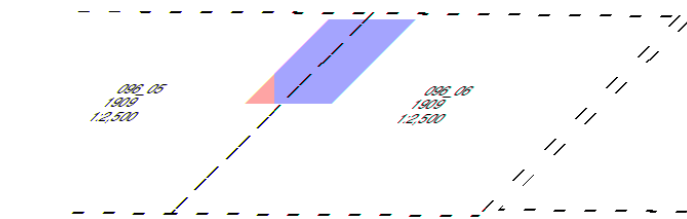
Lancashire And Furness

Published 1909

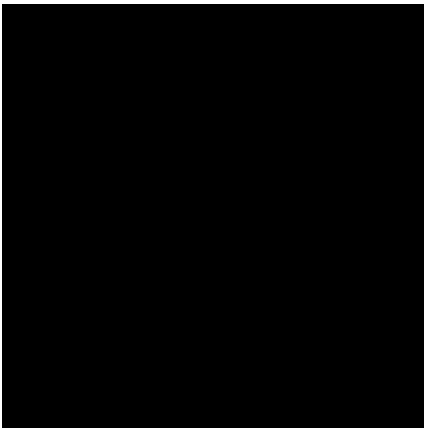
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 312640850_1_1
Customer Ref: 79400
National Grid Reference: 382140, 405980
Slice: A
Site Area (Ha): 0.04
Search Buffer (m): 100

Site Details

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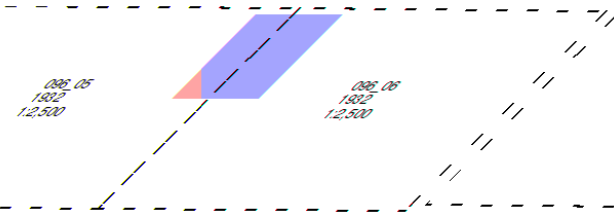
Lancashire And Furness

Published 1932

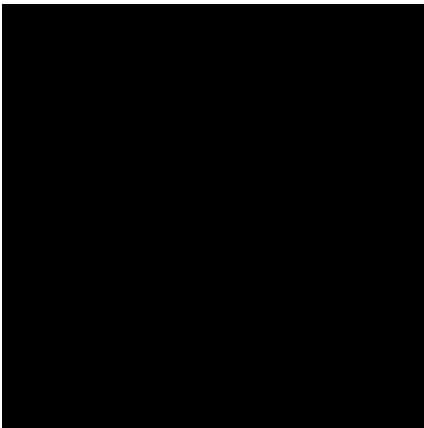
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

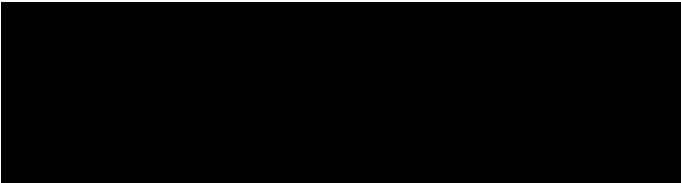
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Site Details

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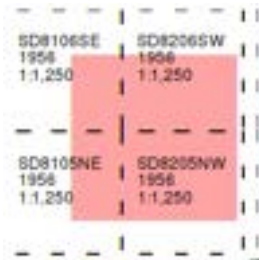
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Web: www.envirocheck.co.uk



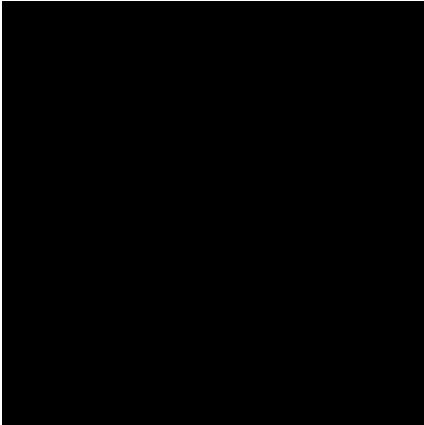
Ordnance Survey Plan
Published 1956
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

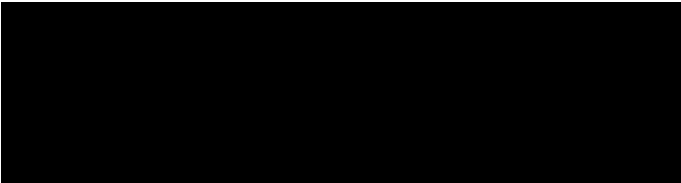


Historical Map - Segment A13



Order Details
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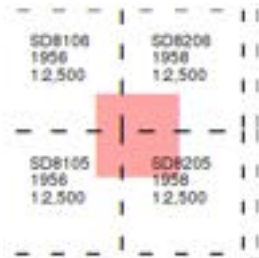
Site Details
21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



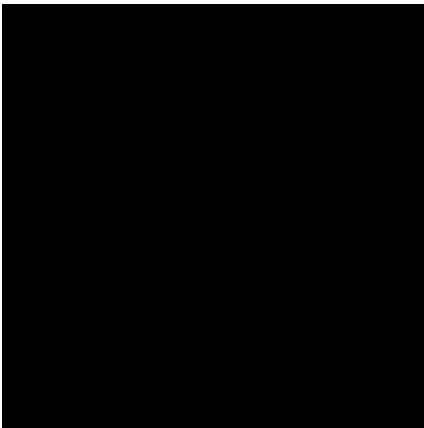
Ordnance Survey Plan
Published 1956 - 1958
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

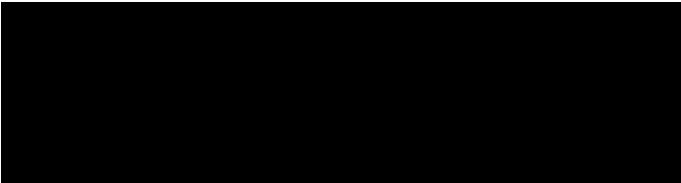
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Site Details

21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



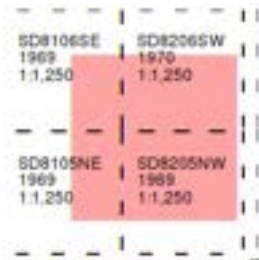
Tel: 0844 844 9952
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Web: www.envirocheck.co.uk



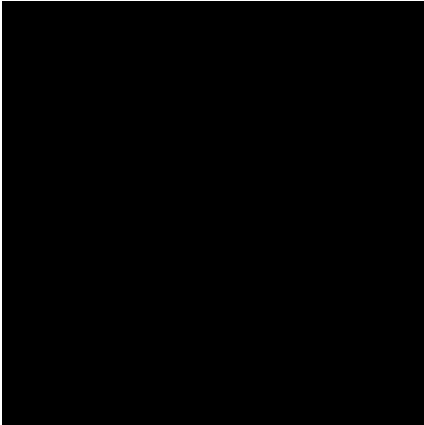
Ordnance Survey Plan
Published 1969 - 1970
Source map scale - 1:1,250

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)

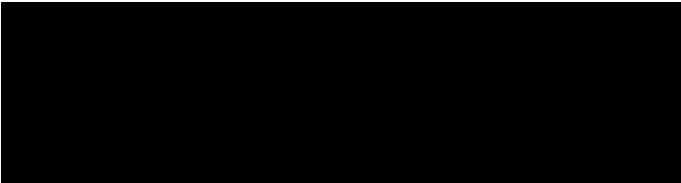


Historical Map - Segment A13



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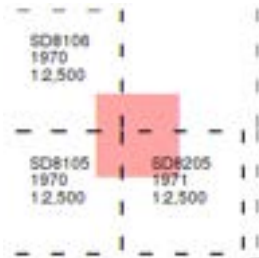
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21, Mode Hill Lane, Whitefield, MANCHESTER, M45 8JF



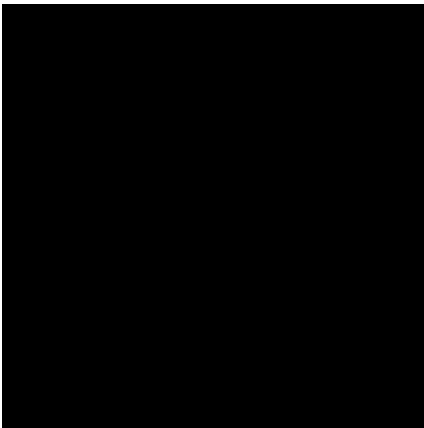
Ordnance Survey Plan
Published 1970 - 1971
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

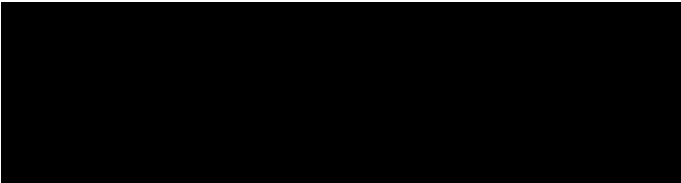
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Slice: A
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Search Buffer (m): 100

Site Details

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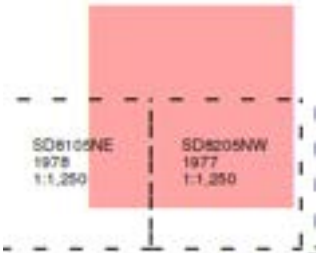
Additional SIMs

Published 1977 - 1978

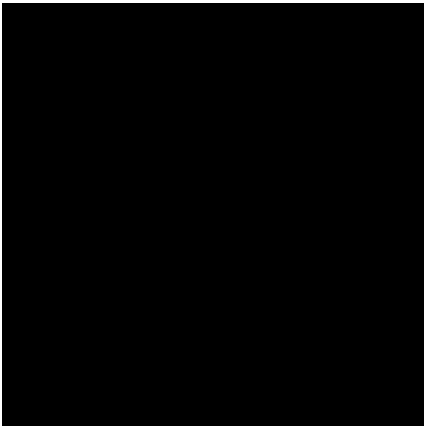
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

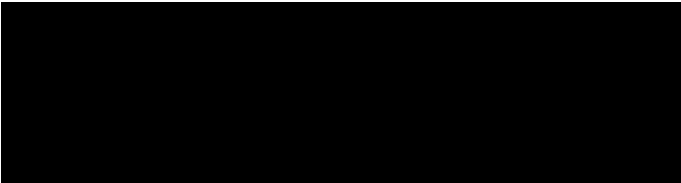
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Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1981

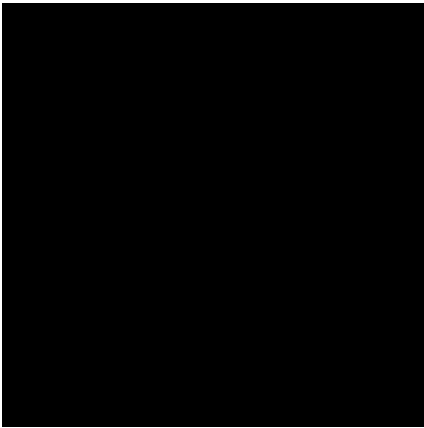
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The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information 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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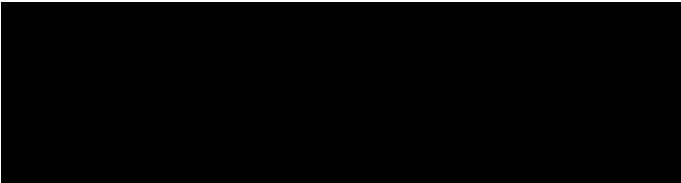
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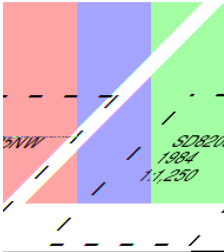
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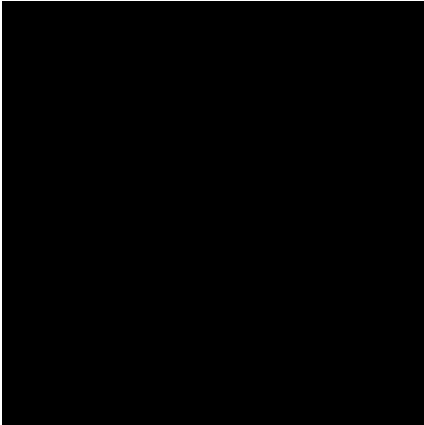
Ordnance Survey Plan
Published 1984
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

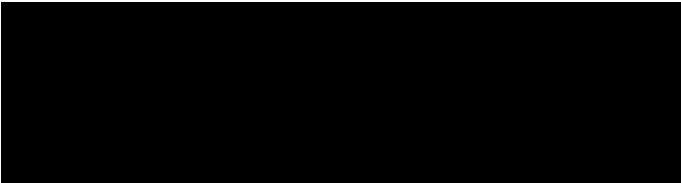
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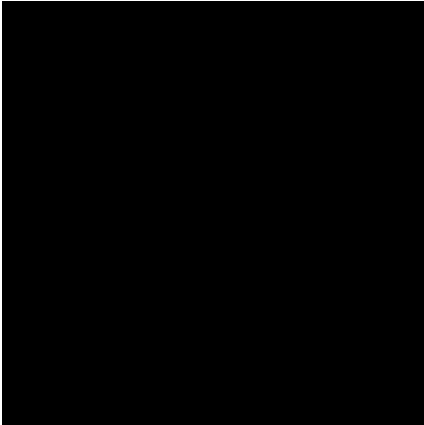
Ordnance Survey Plan
Published 1986
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

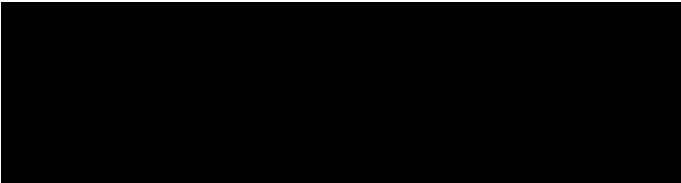
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Site Details

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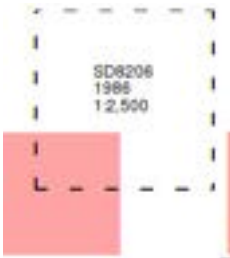
Additional SIMs

Published 1986

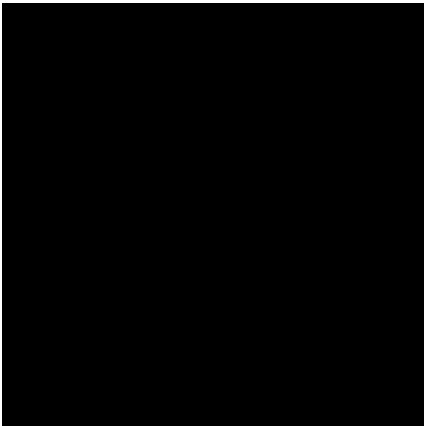
Source map scale - 1:2,500

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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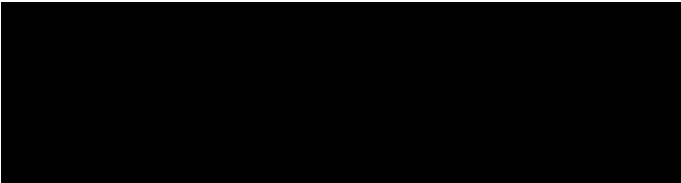
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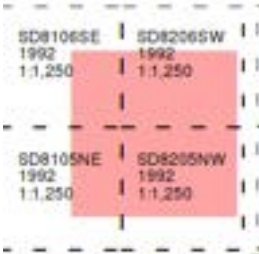
Large-Scale National Grid Data

Published 1992

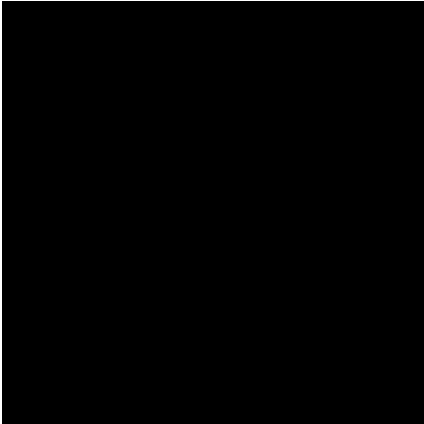
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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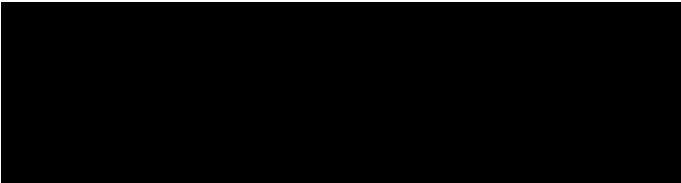
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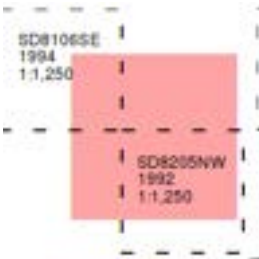
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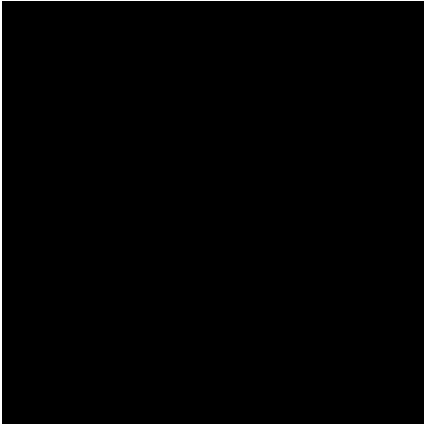
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'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information 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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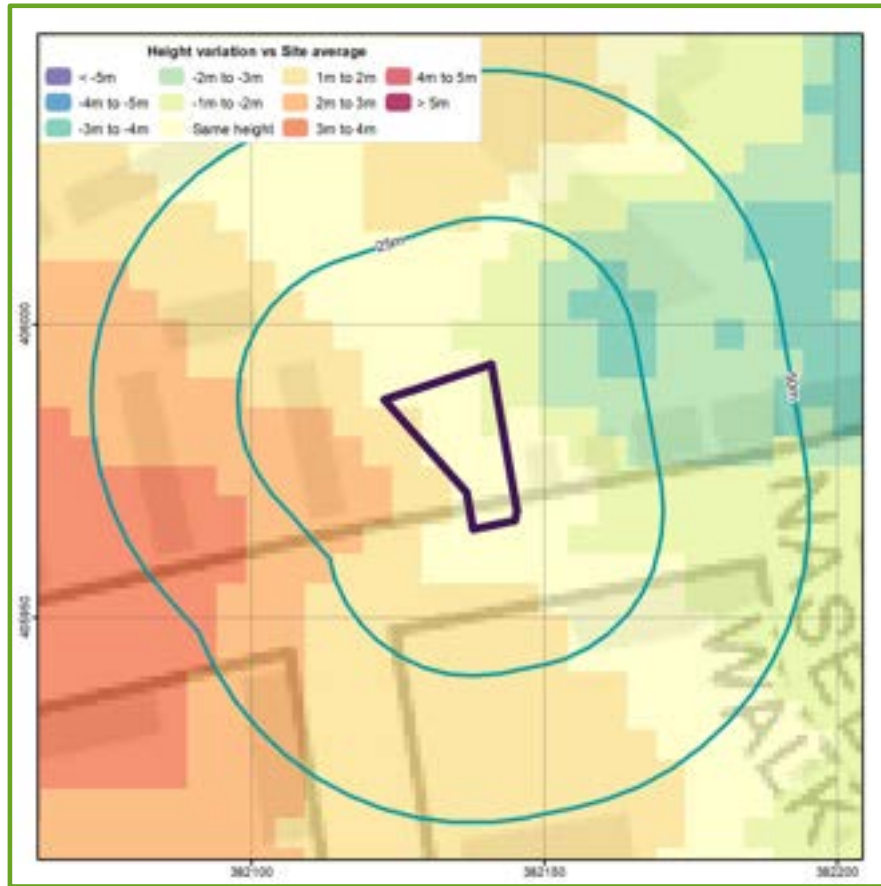
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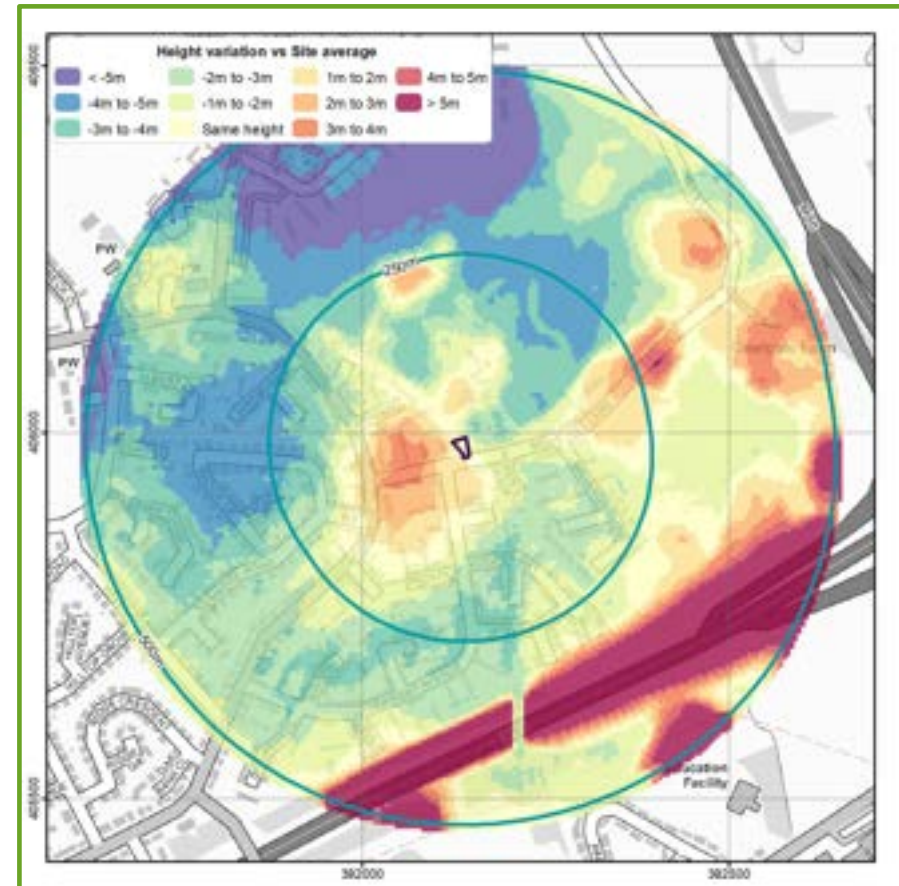


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Fax: 0844 844 9951
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3.6 Topography Maps



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