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PHASE 1: DESK TOP STUDY & COAL MINING RISK ASSESSMENT REPORT

PREPARED FOR MR SAJID HUSSAIN

PROPOSED NEW SHEEP SHED

HALFWAY HOUSE

WARDLE ROAD

WARDLE

ROCHDALE OL12 9ER

Project No: 23-053

Prepared By:

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Date:

6th April 2023

Approved By:

Darren McGrath

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Date:

6th April 2023

The information and/or advice contained in this Phase 1: Desk Top Study & Coal Mining Risk Assessment Report is based solely on, and is limited to, the boundaries of the site, the immediate area around the site, and the historical use(s) unless otherwise stated. This 'Report' has been prepared in order to collate information relating to the physical, environmental and industrial setting of the site, and to highlight, where possible, the likely problems that might be encountered when considering the future development of this site for the proposed end use. All comments, opinions, diagrams, cross sections and/or sketches contained within the report, and/or any configuration of the findings is conjectural and given for guidance only and confirmation of the anticipated ground conditions should be considered before development proceeds. Agreement for the use or copying of this report by any Third Party must be obtained in writing from Arc Environmental Limited (ARC). If a change in the proposed land use is envisaged, then a reassessment of the site should be carried out.

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1.0 Introduction

April 2023

Arc Environmental Ltd (Arc) were instructed to undertake a Phase 1: Desk Top Study and Coal Mining Risk Assessment Report, on behalf of Mr Sajid Hussain, for the construction of a new sheep shed (for agricultural livestock) within a currently undeveloped piece of vacant land adjacent to Halfway House, Wardle Road, Wardle, Rochdale, OL12 9ER. Construction of the new sheep shed is currently underway and will comprise a small single storey agricultural building, at the south western corner of the vacant plot.

The primary objectives of this report are to assess the geological and potential ground contamination conditions on and beneath the surface of the site. This Phase 1: DTS & CMRA Report has been carried out generally in accordance with the EA (Environment Agency) guidance for Land Contamination Risk Management (LCRM: October 2020) which has replaced CLR11: Model Procedures for the Management of Land Contamination and based on all of the data reviewed a preliminary Conceptual Site Model (CSM) has been developed to define the scope and extent of any further investigation works deemed necessary, prior to commencing with any further development works. A site reconnaissance (walkover) survey was completed as part of this report which involved an inspection of the site and its vicinity. Site photographs were taken during the site reconnaissance survey and these can be seen in Appendix I, with all relevant observations noted in Section 2.1 below.

2.0 Physical Setting

2.1 Site Details: -

Table 2.1

Site Name & Address:	Vacant land at Halfway House, Wardle Road, Wardle, Rochdale, OL12 9ER.
National Grid Reference:	391140, 415910 (representative of the centre of the site).
Description of Location:	The position of the proposed new sheep shed is located adjacent and to the south east of Halfway House, at the south western corner of the currently vacant plot of land to the east of Halfway House. The site is located off Wardle Road, Wardle, c.2.5km from the centre of Rochdale.
Site Boundaries:	N & E = vacant land, S = bowling green & W = residential properties (James Street), poorly surfaced car parking and Halfway House.
Site Shape & Development Details:	The new Sheep Shed is rectangular in shape occupying a total area of c.35m ² . This new agricultural building is a single storey structure, designed to comply with the RSPCA Welfare Standards for Sheep, June 2020, with two open arches to allow permanent access to the shed for livestock. No other development works will take place for the new structure (see proposed site layout plans).
General Topography:	The site is generally relatively level at c.180m AOD – a detailed topographical survey has not been provided by the client or design team.
Site surfacing:	At the position of the new sheep shed, as with the rest of the vacant land, the surfacing is rough grass/pasture.
Above Ground Structures:	There are no other above ground structures presently on site.
Sub-surface Structures & Services:	There is no evidence of any sub-surface relic structures and it is understood that the position of the new structure is absent of live services. A utilities report/maps have not been provided by the client or design team.

3.0 Environmental Setting

3.1 Site Geology: -

The geological assessment for this site has been based on geological maps, technical reports and borehole records published by the British Geological Survey (BGS), the Coal Authority and previous site investigation information. The following documents have been reviewed as part of this study: -

3.0 Environmental Setting (Cont'd)

3.1 Site Geology (Cont'd): -

- BGS Sheet 76, Rochdale, Bedrock & Superficial Edition, 1:50,000 Scale, 2008.
- BGS Sheet 76, Rochdale, Bedrock, 1:50,000 Scale, 2008.
- BGS Archive Historical Borehole Records – SD91NW 49-52.
- BGS Digital Mapping (Geoindex Onshore).
- Coal Authority Online Interactive Map Viewer.
- The Coal Authority (CA) Consultants Coal Mining Report, reference; 51003338740001.

3.1.1 Made Ground: -

According to published BGS maps and data, the site is not recorded to be underlain by significant thicknesses of made ground. However, taking into account the potential history of the site, some made ground may be present on site below the proposed new structure. This made ground, if present, is likely to comprise a mixture of disturbed natural strata (clay, sand, gravel, etc.) with some anthropogenic debris (ash, fragmented stone, etc.) and is anticipated to extend to depths of c.1m to c.2m bgl.

3.1.2 Superficial Deposits: -

Based on maps and data produced by the BGS, the superficial deposits are shown to be Glacial Till which typically comprises firm and stiff sandy gravelly clays with bands and lenses of sands and gravels. From the closet archive BGS borehole logs, located in a similar geological setting c.225m to the south west, Glacial Till deposits, initially comprising soft and firm clays, becoming stiff, to depths of c.3.30m to c.4.10m bgl, have been recorded and are in turn underlain by medium dense and dense sands and gravels to depths of at least c.5.50m bgl. Similar depths of superficial deposits are anticipated to be present below the location of the new sheep shed.

3.1.3 Solid Geology: -

The solid geology below the site comprises the Pennine Lower Coal Measures (PLCM) - undifferentiated, deposited during the Period of Earth's history known as the Carboniferous. These deposits typically comprise alternations of sandstones, siltstone, mudstone, seatearth (fire clay) and coal seams, with undifferentiated mudstone shown below the proposed building footprint.

The closest coal seam to the site is the Upper Mountain (UM) seam which the CA indicates to subcrop c.225m to the north of the site, dipping in a southerly direction below the location of the new Sheep Shed.

3.2 Coal Mining Risk Assessment: -

The geological maps and data published by the BGS record the site as being underlain by productive coal bearing stratum of the PLCM, with the Upper Mountain (UM) seam subcropping c.225m to the north and dipping to the south below the site. Reference has been made to the Coal Authority's online interactive map viewer and has identified the following:

- The location of the sheep shed is shown to lie within a 'coal mining reporting area' and a defined 'development high risk area' (DHRA) associated with recorded shallow coal workings within the Upper Mountain seam, which subcrops c.225m to the north of the site.
- The location of the sheep shed is not shown to lie within an area of probable shallow workings.
- There are no recorded deeper workings below the site area.

3.0 Environmental Setting (Cont'd)

3.2 Coal Mining Risk Assessment (Cont'd): -

- There are no surface mining areas (past or current) or mine entries below or in close proximity to the location of the new sheep shed.
- Seam levels closest to the site indicate the UM seam at a level of 161m AOD and last worked in 1926.

To further aid in this coal mining risk assessment, a Consultants Coal Mining Report (ref. 51003338740001) was procured from the Coal Authority (CA), a copy of which can be found in Appendix II. The report concurs with the CA's online data and identifies the following:

- There is recorded past underground coal mining in the UM seam at a depth of c.21m and with an extraction thickness of 0.50m, last worked in 1926.
- There are no probable unrecorded shallow workings below the location of the new sheep shed.
- There are no spine roadways recorded at shallow depth.
- There are 2 no. mine entries (one shaft and one adit) located within 100m of the site boundary; ref.s 391415-001 & 391415-004, at a distance of c.90m to the west and south east of the new sheep shed. Neither of these mine entries represent a risk to the new structure.
- There are no coal outcrops, remediated sites, damage notices or claims (since 31st October 1994) nor requests for preventative works (under section 33 of the Coal Mining Subsidence Act 1991) within 50m of the site boundary and no geological faults, fissures or breaklines intersecting with the site boundaries.
- Similarly, there are no opencast mines, CA managed tips, mine gas sites nor mine water treatment schemes within 500m of the site boundary.

Taking into account the information above, it can be seen that there is the potential for voiding to be present, within the historical mine workings in the UM coal seam, at shallow depths (<30m) below the new sheep shed and possibly with insufficient rock cover (normally taken as a minimum ratio of 10:1 rock cover to extraction thickness) to prevent void migration reaching the surface and causing future ground subsidence. However, if rockhead is shallow enough to provide sufficient rock cover then the risk of future ground subsidence occurring would be effectively dismissed.

Consequently, for most types of development, further intrusive investigation works in the form of open hole rotary boreholes would normally be recommended to determine whether remedial measures would be required. However, taking into account the nature of the new sheep shed, i.e. an agricultural structure for livestock with minimal groundworks, it is possible that the CA will consider that the new structure is exempt from requiring any further investigation or remedial works. Bearing this in mind, it is recommended that reference is made directly to the CA through the Local Planning Officer and a copy of this report submitted to the LPA for their comments.

Taking into account the recently published CL:AIRE guidance for Good Practice for Risk Assessment for Coal Mine Gas Emissions (October 2021), an assessment of the potential risks from coal mine gas to this site has been completed, initially based on the following site specific data:

- There are no mine entries within 20m of site boundary.
- Recorded workings at less than 30m depth which may or may not be permanently flooded (no data available on groundwater levels below this site).
- There are no fault or other pathways connecting the site surface to deeper workings.
- The site lies within an area of past shallow workings on the CA online viewer.

3.0 Environmental Setting (Cont'd)

3.2 Coal Mining Risk Assessment (Cont'd): -

Using the decision support tool for mine gas risk assessment (Fig 13.1) the site is initially assessed as lying within a Moderate to High Risk Zone. However, given nature of the proposed structure, which will have permanent open entrance arches and will be fully ventilated, the level of risk is considered to be negligible and no further investigation or monitoring will be required.

3.3 Site Hydrogeology: -

The aquifer designations for the various deposits present below this site have been based on records produced by the EA, and the Aquifer Designation Maps & Groundwater Vulnerability Maps are contained within the Envirocheck Report, copies of which can be seen attached in Appendix III.

Table 3.1

<u>STRATA</u>	<u>Aquifer / Soil Leachability EA Classification</u>	<u>Comments</u>
Groundwater Vulnerability:	Low Vulnerability (combined)	Low vulnerability (combined) – secondary superficial aquifers (productive bedrock and superficial aquifers).
Superficial Deposits: (Glacial Till)	Secondary Aquifer - Undifferentiated	Low permeable layers with negligible flow rate. Unlikely to be capable of supporting local water supplies and not considered a significant resource.
Solid Geology: (Pennine Lower Coal Measures)	Secondary Aquifer - A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.
Groundwater:	No site specific records for this site.	Given the nature of the superficial deposits below this a shallow continuous groundwater surface (water table) is not anticipated to be present below the site, with deeper groundwater present within the solid geology only.

- The site does not lie within 250m of a Source Protection Zone.
- There are no water abstraction points recorded on or within 250m of the site boundary.

3.4 Site Hydrology: -

Table 3.2

<u>SURFACE WATER FEATURE</u>	<u>Location</u>	<u>Comments</u>
OS Water Network & GQA Classified River:	Three recorded below and within c.250m.	A small tributary (c.90m) and Ash Brook (c.200m) lie to the south east of the site. Locally Ash Brook is a Grade B watercourse. An unnamed OS watercourse is shown c.225m to the south west.
Unclassified Watercourse(s), Canals, Ponds, Lakes & Other Bodies of Water:	None additional features within c.250m.	As above.
Flooding from River or Sea: (Fluvial & Tidal)	The site does not fall within the designated Flood Zone II & III.	Although the site does not fall within the designated Flood Zone II & III, it is recommended that further consultation with the LA and EA should be made with respect to the potential for flood events in this area and to establish local knowledge of periodic flooding problems.

3.0 Environmental Setting (Cont'd)

3.4 Site Hydrology (Cont'd): -

Table 3.2 (Cont'd)

<u>SURFACE WATER FEATURE</u>	<u>Location</u>	<u>Comments</u>
Surface Water Flooding: (Pluvial)	The published EA data shows that the site is in a very low risk area for pluvial flooding.	Taking into account the lack of potential risks from surface water (pluvial) flooding and the nature of the sheep shed, no mitigation measures will be required for future surface water management.
Groundwater Flooding at Surface (BGS):	The location of the new structure has limited potential for groundwater flooding to occur.	Given the anticipated lack of potential shallow groundwater and the nature of the superficial deposits below this site, the site is not considered to be at significant risk from groundwater flooding.
<u>RAINFALL</u>	<u>Measurements (mm)</u>	<u>Comments</u>
Annual	1197.22	Based on 'station average' records from Rochdale Station, dated from 1991-2020.
Min (May)	65.67	
Max (December)	138.88	

3.5 Radon Assessment: -

The site is recorded to lie within a lower probability radon area, with less than 1% of homes estimated to be at or above the action level, in accordance with the BGS, National Geoscience Information Service, and their assessment suggests that no radon protective measures are necessary in the construction of new dwellings or extensions. This corresponds with the BRE Digest, BR211 (2015) Radon: Guidance on Protective Measures for New Buildings, which shows the site is situated within a clear grid square (1km), and therefore no radon protective measures are required for the site.

3.6 Site Ecology: -

Table 3.3

<u>FEATURES</u>	<u>Location</u>	<u>Comments</u>
Local Nature Reserves:	None recorded within c.250m.	~
Areas of Adopted Green Belt:	On site.	EC ref. 242 – Rochdale MBC – adopted 30 th June 2006.
Special Protection Areas:	None recorded within c.250m.	~
Nitrate Vulnerable Zone:	None recorded within c.250m.	~
Other:	None recorded within c.250m.	~

There was no visual evidence to suggest that the site is affected by the presence of invasive weed species such as Japanese Knotweed, Giant Hogweed or Himalayan Balsam, at the time of the recent site survey, although the site reconnaissance visit has been completed outside the standard growing season. Therefore, as a detailed invasive weed survey has not been undertaken as part of this site investigation report, care should be taken during future development works with site awareness for any potential invasive weed species during the construction period.

3.7 Estimated Soil Chemistry: -

Data provided by the BGS in relation to estimated soil chemistry for a number of key metals and metalloid elements are summarised in Table 3.4 below. Note; the references to the anticipated background concentrations of contaminants, sourced from the BGS, should not be relied upon. They are not site-specific and do not represent the condition of the ground at the proposed development site.

3.0 Environmental Setting (Cont'd)

3.7 Estimated Soil Chemistry (Cont'd): -

Table 3.4

Element	Location	Estimated Soil Concentrations (mg/kg)
Arsenic	Sediment	15 – 25
Cadmium	Sediment	2.2 – 3.0
Chromium (total)	Sediment	60 – 90
Lead	Sediment	100 – 200
Nickel	Sediment	15 – 30

4.0 Industrial Setting

4.1 Site History: -

Copies of OS maps covering this site and adjacent land are included in Appendix III, and a summary of the site history based on these plans is provided in Table 4.1 below and on the following page.

Table 4.1

Date	Site	Adjacent Areas
c.1851	The location of the new sheep shed is recorded as undeveloped land, most likely in agricultural use.	Cock Clod (two residential properties?) is adjacent to the north west (on Wardle Road) with Halfway House (Public House) opposite. Two ' Brickfields ' are shown to the east and west of the site. The rest of the surrounding land is undeveloped land most likely in agricultural use.
c.1893 – c.1894	The location of the new sheep shed is recorded as undeveloped land, most likely in agricultural use.	By c.1893 a paddock feature is shown adjacent with a rectangular pond and unnamed structure shown to the south. Ashbrook Hey Mill (Cotton) and Ashbrook Hey Dye Works are located c.250m east and c.220m south east. The ' Brickfields ' are no longer shown and the majority of the surrounding land is most likely in agricultural use.
c.1910 – c.1911	By c.1910 the location of the new sheep shed is still recorded as undeveloped land, most likely in agricultural use.	By c.1910 James Street comprising 6 no. terraced houses has been constructed adjacent to the south west with the paddock and pond features no longer shown. The unnamed structure has reduced in size and a Free Library has been constructed c.80m to the south on Wardle Road. Ashbrook Hey Dye Works has expanded and Ashbrook Hey Mill is recorded as disused.
c.1930 – c.1956	By c.1930 the location of the new sheep shed is still recorded as undeveloped land, within an enclosed area which correlates with the current vacant plot boundaries.	By c.1930 Halfway House is now recorded as Cock Clod and is no longer recorded as a Public House . Cock Clod has been demolished and replaced with the larger Halfway House (Public House) . New detached and semi-detached properties are located to the north west and south west on and adjacent to Wardle Road. A War Memorial and public garden area present to the south of the Free Library with further properties beyond.

Significant features / potential contamination sources highlighted in **bold**.

4.0 Industrial Setting (Cont'd)

4.1 Site History (Cont'd): -

Table 4.1 (Cont'd)

Date	Site	Adjacent Areas
c.1930 – c.1956 (Cont'd)		Ashbrook Hey Dye Works has further expanded. By c.1937/c.1939 Cock Clod has been demolished with further residential properties to the north west on Wardle Road with the unnamed structure no longer present. A new Children's Playing Field with paddling pool is located to the east of the Free Library along with UDC Offices to the south. A sports ground, new school and tennis courts are present to the south west beyond the residential properties.
c.1960 – c.1992	During this period there are no significant changes to the location of the new sheep shed which remains undeveloped land.	By c.1960, the location of the new sheep shed lies within an area recorded as the Rochdale Company of Archers with a new structure located to the east of Halfway House. A new bowling green and tennis courts with pavilion is located adjacent to the south of the site and James Street. Additional new residential properties are location to the north and south of the site on Wardle Road and Ashbrook Hey Dye Works is now recorded as a Works . Spoil/raised ground is shown adjacent to Wardle Road and north of Halfway House. By c.1970 Ashbrook Hey Dye Works is now recorded as a Coachbuilding Works . A small pavilion and playing field are shown to the north east and a new Corporation Yard is shown behind the residential properties to the south west. By c.1984 the Corporation Yard has been redeveloped for housing and the school has expanded to the south west.
c.1999 – present day	During this period, other than the beginning of the construction of the new sheep shed, the site remains undeveloped land.	By c.1999 the structure associated with Rochdale Company of Archers is no longer present. During this period there is little change to the surrounding areas other than the construction of additional houses by c.2006 on the site of the school to the south west and the removal of the paddling pool to the south east by c.2022. Sometime after c.2006 Halfway House Public House is converted into the current private residential property.

Significant features / potential contamination sources highlighted in **bold**.

4.2 Landfill & Waste: -

The following information relating to Landfill and Waste has been obtained from the Envirocheck Report (attached in Appendix III) and the site reconnaissance (walkover) survey;

- There are no BGS or Local Authority Recorded Landfill Sites within 250m.
- There are no Licensed Waste Management Facilities, Registered Waste Transfer, Registered Waste Treatment or Disposal Sites recorded within 250m.

4.0 Industrial Setting (Cont'd)

4.2 Landfill & Waste (Cont'd): -

- There is 1 no. Historical and Registered Landfill site (EC ref.s 101 & 150) recorded c.55m to the east of the proposed new sheep shed. The last date of input is 31st December 1986 and appears to have operated for a period of 1 year, with a range of authorised wastes including the following types; ceramics, inert and non-hazardous/non-toxic construction/non-demolition, fibreglass, glass/cullet, scrap metal, non-leachate forming waste, plastic/polythene (including sacks), soil, clay, sand, stone, brick, concrete, slate, wood & timber.
- The position of the new sheep shed lies within a larger area of Potentially Infilled Land (non-water) (EC ref. 105) which also includes Halfway House. A second area of Potentially Infilled Land (non-water) (EC ref. 106) is located c.40m to the west of the new sheep shed. However, there is no evidence from the historical plans which correlates with these features.
- There is one feature of Potentially Infilled Land (water) (EC ref. 126) associated with a possible backfilled former pond, which is then built over with terraced housing by c.1910.

When considering the above information, the anticipated ground conditions as well as the coal mining legacy, it can be seen that the location of the new sheep shed is in an area at risk from hazardous ground and coal mine gases, which would normally require further investigation (gas monitoring) and risk assessment to determine whether gas protection measures would be required. However, given the nature of the proposed new sheep shed structure which will be fully ventilated, it is felt that no further gas monitoring or protection measures will be required.

4.3 Statutory Requirements / Authorisations: -

Table 4.2

Type	Location	Comments
Integrated Pollution Controls & Prevention And Control	None recorded within c.250m.	~
Local Authority Integrated Pollution Prevention and Control	None recorded within c.250m.	~
Local Authority Pollution Prevention and Controls Enforcements	None recorded within c.250m.	~
Registered Radioactive Substances	None recorded within c.250m.	~
Prosecutions Relating to Authorised Processes	None recorded within c.250m.	~
Enforcement and Prohibition Notices	None recorded within c.250m.	~
COMAH/Explosive/NIHHS Sites	None recorded within c.250m.	~
Planning Hazardous Substances Consents / Enforcements	None recorded within c.250m.	~
Contemporary Trade Entries	One located within c.250m.	EC ref. 164 - inactive entry – not attributable to this site.
Fuel Station Entries	None recorded within c.250m.	~

4.0 Industrial Setting (Cont'd)

4.3 Statutory Requirements / Authorisations (Cont'd): -

Table 4.2 (Cont'd)

Type	Location	Comments
Points of Interest - Commercial Services	One located within c.250m.	EC ref. 201. Vehicle repair, testing and servicing – 1 James Street, c.30m to the south west of new sheep shed.
Points of Interest - Manufacturing and Production	One located within c.250m.	EC ref. 212 – associated with former Ashbrook Hey Works site c.225m to the south east.

4.4 Pollution Incidents and Discharge Consents: -

Table 4.3

Type	Location	Comments
Discharge Consents	None recorded within c.250m.	~
Water Industry Act Referrals	None recorded within c.250m.	~
Prosecutions Relating to Controlled Waters	None recorded within c.250m.	~
Pollution Incidents to Controlled Waters	None recorded within c.250m.	~
Substantiated Pollution Incident Register	None recorded within c.250m.	~

5.0 Conceptual Site Model (CSM)

The Conceptual Site Model (CSM) is one of the primary planning tools that can be used to support the decision making process of managing contaminated land and groundwater on any given site, and allows a better understanding of what needs to be done to achieve risk management, and from this appropriate remediation techniques, if required for those risk management goals can be chosen. This can be done by undertaking a *source-pathway-receptor* analysis of the site.

Table 5.1

*= Not included in the Human Health & Controlled Waters Risk Assessment.

	Sources (S)		Pathways (P)		Receptors (R)
S1	Made Ground: Given the history of the site only limited made ground is anticipated and no targeted sources identified at the location of the new sheep shed.	P1	Ingestion & Dermal Contact.	R1	Human health (End use taken as <i>Commercial</i> (best fit) and construction workforce.
		P2	Air-inhalation of vapours and direct contact with dust.		
		P3	Migration through existing services / permeable strata.	R2	Controlled Waters: Groundwater – within the deeper solid geology (identified as Secondary A Aquifer). No surface water features within a plausible migration distance.
S2	Potential Ground Gases: on site and off site sources for generation and migration. Given the nature of the proposed structure not considered to represent a significant risk	P4	Direct contact with Building Materials.		
		P5	Surface runoff, Infiltration & Leachate migration.	R3	Adjacent sites.
				R4*	Building materials.
				R5*	Flora and fauna.

The anticipated *sources*, *pathways* and *receptors* for this site are summarised in Table 5.1 above. A graphical representation of the CSM has been produced for this site and can be seen attached in Appendix IV,

5.0 Conceptual Site Model (CSM) (Cont'd)

which also sets out the critical pollutant linkages of concern for this particular site with regard to contamination.

5.1 Geotechnical Considerations: -

At this stage, whilst there are a number of potential geotechnical issues associated with the ground at the location of the new sheep shed, taking into account the nature and construction progress of the new structure and proposed agricultural end use, it is felt that no further intrusive geotechnical investigation works will be necessary.

The information reviewed and the nature of the sheep shed, the new structure is considered as being located within a **LOW** geotechnical risk setting.

5.2 Sources of Potential Contamination: -

Taking into account the recorded site history and other relevant geo-environmental data it can be seen that significant heavy or gross contamination is not anticipated for this site, with the only likely potential source of ground contamination being any limited made ground if present. The made ground is likely to comprise a mixture of disturbed natural strata (clay, sand, gravel, etc.) with some anthropogenic debris (ash, fragmented stone, etc.).

Taking into account the above, potential on-site contamination issues have been identified for this site and the proposed end use: -

- Made ground anticipated up to c.1m to c.2m in thickness.
- Generation of hazardous ground & mine gases from both off-site & on-site sources, as well as the coal mining legacy.

Bearing this in mind, whilst the overall risks associated with the made ground on this site are considered to be low, it would be considered prudent to undertake some nominal ground contamination screening in order to verify that there are no significant risks to the human end users. In addition, taking into account the nature of the fully ventilated new sheep shed, no ground gas monitoring nor gas protection measures are considered necessary for the new structure.

5.2.1 Soils – Human Health: -

The information reviewed and the nature of the sheep shed, the new structure is considered as being located within a **LOW** ground contamination risk setting for Human Health.

5.2.2 Groundwater / Leachate – Controlled Waters: -

The following issues have been taken into consideration when assessing the risks towards Controlled Waters (groundwater & surface waters):

- No shallow groundwater is anticipated- deeper groundwater within the solid deposits only (classified as a Secondary A Aquifer).
- The site does not lie within a Source Protection Zone (SPZ).
- There are no recorded abstractions within c.250m of the site.
- There are no surface water features within a plausible migration distance.
- No significant heavy or 'gross' contamination is anticipated for this site.

5.0 Conceptual Site Model (CSM) (Cont'd)

5.2 Sources of Potential Contamination (Cont'd): -

5.2.2 Groundwater / Leachate – Controlled Waters (Cont'd): -

- The site is underlain by relatively impermeable superficial deposits (Glacial Till).

Taking the above into account, the risks to Controlled Waters from the new sheep shed structure are considered to be negligible.

The information reviewed indicates that the site can be considered as being located within a **NEGLIGIBLE** ground contamination risk setting for Controlled Waters.

6.0 Recommendations For Intrusive Ground Investigation Works

Taking into account the above information, it is recommended that further limited intrusive investigation works are completed for the location of the new sheep shed, in the form of shallow manually excavated trial pits in order to recover samples and the made ground/natural soils for generic laboratory contamination screening. The purpose of the contamination screening is to confirm that there are no significant risks to the future human end users and that no further remedial measures are required for this site.

In addition, the client/design team should make reference directly to the CA through the Local Planning Officer in order to determine whether the new structure is exempt from requiring any further investigation or remedial works.

END OF REPORT

APPENDIX I

**Location Plan, Aerial Photograph, Existing Site Layout,
Proposed Development Layout Plan
&
Site Observations - Photographic Record Sheets**

Scale as shown



Client:

MR SAJID HUSSAIN

Project Title:

New Sheep Shed

Half Way House, Wardle Road

Rochdale, OL12 9ER

Drawing Title:

Location Plan

Job Reference:

23-053

Drawing Number:

-

Revision:

-

Drawn by:

P.D

Date:

06.04.23

Scale at A4:

As Shown

Checked by:

M.R.B

Approved by:

M.R.B

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.

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rev.	date	amendments	drawn	chckd

ARC ENVIRONMENTAL LTD

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LEGEND	
	SHEEP SHED LOCATION

rev.	date	amendments	drawn	chckd

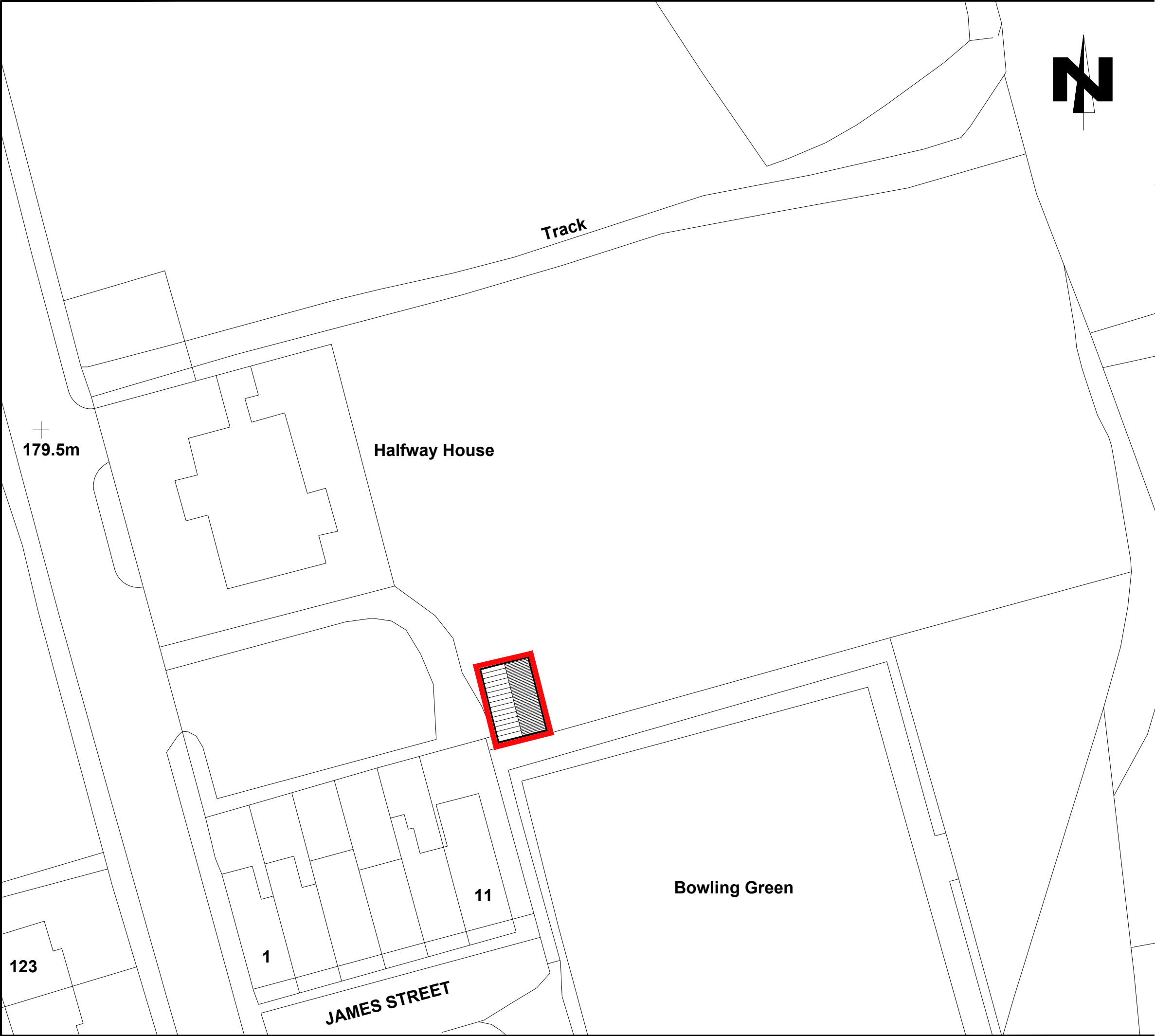
Client:
MR SAJID HUSSAIN

Project Title:
New Sheep Shed
Half Way House, Wardle Road
Rochdale, OL12 9ER

Drawing Title:
Aerial Photograph

Scale at A3: NTS @ A3	Date: 06.04.23	Drawn by: P.D	Approved by: M.R.B
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Job Ref: 23-053	Drg no: —	Rev: —
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LEGEND	
	SHEEP SHED LOCATION

rev.	date	amendments	drawn	chckd	

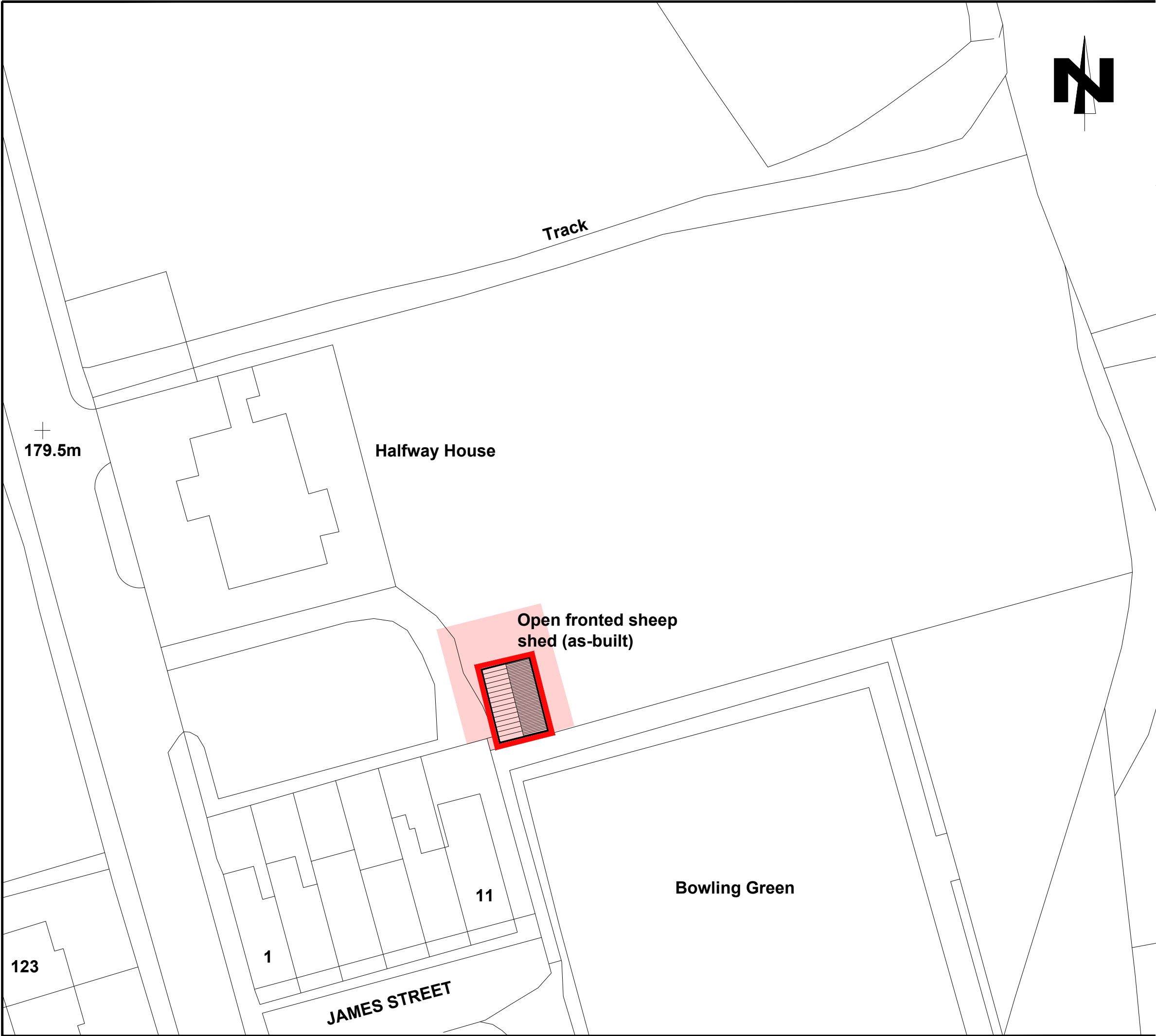
Client:
MR SAJID HUSSAIN

Project Title:
New Sheep Shed
Half Way House, Wardle Road
Rochdale, OL12 9ER

Drawing Title:
Existing Site Layout Plan

Scale at A3: NTS @ A3	Date: 06.04.23	Drawn by: P.D	Approved by: M.R.B
--------------------------	-------------------	------------------	-----------------------

Job Ref: 23-053	Drg no: —	Rev: —
--------------------	--------------	-----------



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Tel: (0191) 378 6380
Fax: (0191) 378 0494
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web: www.arc-environmental.com

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LEGEND	
	SHEEP SHED LOCATION

rev.	date	amendments	drawn	chckd	

Client:
MR SAJID HUSSAIN

Project Title:
New Sheep Shed
Half Way House, Wardle Road
Rochdale, OL12 9ER

Drawing Title:
Proposed Development Layout Plan

Scale at A3: NTS @ A3	Date: 06.04.23	Drawn by: P.D	Approved by: M.R.B
--------------------------	-------------------	------------------	-----------------------

Job Ref: 23-053	Drg no: —	Rev: —
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LEGEND	
	SHEEP SHED BOUNDARY

rev.	date	amendments	drawn	chckd

Client:
MR SAJID HUSSAIN

Project Title:
New Sheep Shed
Half Way House, Wardle Road
Rochdale, OL12 9ER

Drawing Title:
Proposed Development Layout Plan

Scale at A3: NTS @ A3	Date: 06.04.23	Drawn by: P.D	Approved by: M.R.B
--------------------------	-------------------	------------------	-----------------------

Job Ref: 23-053	Drg no: —	Rev: —
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APPENDIX II

Archive BGS Borehole Records

&

Coal Authority Consultants Coal Mining Report

Norwest Holst Soil Engineering Ltd.

Borehole No.

1

Contract No. F5347

BOREHOLE LOG

Location Wardle Sewer

Sheet 1 of 1

Client Rochdale Metropolitan Borough

Chainage

Method of Boring Percussion

Ground Level 170.9 m.A.O.D.

Diameter of Borehole 150mm

Date 30/9/82

SD91NW/49
9102 1577

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/R.O.D. %	Daily Progress
MADE GROUND: Tarmac		0.20	170.7				
MADE GROUND: Compact brick and clay.		1.20	169.7		1.20		
Soft grey silty CLAY with decayed roots.		2.20	168.7		2.20		
Firm to stiff grey-brown silty sandy CLAY with gravel and occasional sand partings.		3.50	167.4		3.00		

Type of Sample

-  S.P.T.  Undisturbed
-  C.P.T.  Vane
-  Jar  Water
-  Bulk  Piezometer

Remarks (Observations of Ground Water etc.)

Borehole dry.

Water levels are subject to seasonal or tidal variations and should not be taken as constant

Norwest Holst Soil Engineering Ltd.

Borehole No.

2

Contract No. F5347
Location Wardle Sewer
Client Rochdale Metropolitan Borough
Method of Boring Percussion
Diameter of Borehole 150mm

BOREHOLE LOG

SD91NW 150
9102 1573

Sheet 1 of 1
Chainage
Ground Level 170.4 m.A.O.D.
Date 29/9/82

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/R.Q.D. %	Daily Progress
MADE GROUND: Tarmac		0.20	170.2				
MADE GROUND: Compact brick and boulder.		0.80	169.6				
MADE GROUND: Firm clay and brick.		1.30	169.1		1.20		
Soft grey-brown silty sandy CLAY.		1.80	168.6		2.00		
Firm becoming stiff dark brown sandy CLAY with occasional gravel.		3.50	166.9		3.00		

Type of Sample

- S.P.T. Undisturbed
- C.P.T. Vane
- Jar Water
- Bulk Piezometer

Remarks (Observations of Ground Water etc.)

Borehole dry.

Norwest Holst Soil Engineering Ltd.

Borehole No.

3

Contract No. F5347

BOREHOLE LOG

Location Wardle Sewer

Client Rochdale Metropolitan Borough Council

Method of Boring Percussion

Diameter of Borehole 150 mm

Sheet 1 of 1

Chainage

Ground Level 171.4 m.A.O.D.

Date 28/9/82

9108 1569

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/R.Q.D. %	Daily Progress
MADE GROUND: Tarmac.		0.20	171.2				
MADE GROUND: Compact brick and clay.		0.50	170.9				
Firm grey-brown very sandy CLAY with some coarse well rounded gravel.		1.60	169.8		1.00		
Firm to stiff brown mottled grey gravelly CLAY.		2.00	169.4		2.00		
Stiff brown slightly sandy gravelly CLAY.		4.10	167.3		3.00		
Dark brown and black slightly clayey fine very sandy GRAVEL.		4.40	167.0		4.50		
Medium dense orange-brown medium SAND with some gravel.		5.00	166.4			23	

Type of Sample

- S.P.T. Undisturbed
- C.P.T. Vane
- Jar Water
- Bulk Piezometer

Remarks (Observations of Ground Water etc.)

Borehole dry.

Norwest Holst Soil Engineering Ltd.

Borehole No.

4

Contract No. F5347

BOREHOLE LOG

Location Wardle Sewer

Client Rochdale Metropolitan Borough Council

Method of Boring Percussion

Diameter of Borehole 150 mm

Sheet 1 of 1

Chainage

Ground Level 171.2 m.A.O.D.

Date 27/9/82 - 28/9/82

SD91NW 152
9115 1568

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/R.O.D. %	Daily Progress
MADE GROUND: Tarmac.		0.20	171.0				
MADE GROUND: Bricks and pieces of concrete.		0.50	170.7				
		0.80	170.4				
MADE GROUND: Soft peat and gravel.		1.10	170.1		1.00		
Soft dark brown organic sandy CLAY.		1.80	169.4				
Soft mottled dark grey and brown very silty sandy CLAY with occasional gravel and cobbles.		2.40	168.8		2.50		
Firm mottled grey and brown silty sandy CLAY with occasional gravel.		3.30	167.9		3.30	20	
Firm brown slightly silty sandy CLAY with occasional gravel.		4.10	167.1		4.10	31	
Medium dense orange-brown mottled very clayey SAND with much gravel.		4.80	166.4		4.80		
Dense very clayey well graded SAND with much gravel.		5.30	165.9				
Dense fine and medium SAND.		5.50	165.7				
Dense brown SAND.							

Type of Sample

- S.P.T.
- Undisturbed
- C.P.T.
- Vane
- Jar
- Water
- Bulk
- Piezometer

Remarks (Observations of Ground Water etc.)

Borehole dry.



The Coal
Authority

Consultants

Coal Mining Report

New Sheep Shed
Halfway House, Wardle Road
Wardle
Rochdale
OL12 9ER

Date of enquiry:	14 February 2023
Date enquiry received:	14 February 2023
Issue date:	14 February 2023

Our reference:	51003338740001
Your reference:	23-053

Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

ARC ENVIRONMENTAL LTD

Enquiry address

New Sheep Shed
Halfway House, Wardle Road
Wardle
Rochdale
OL12 9ER

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

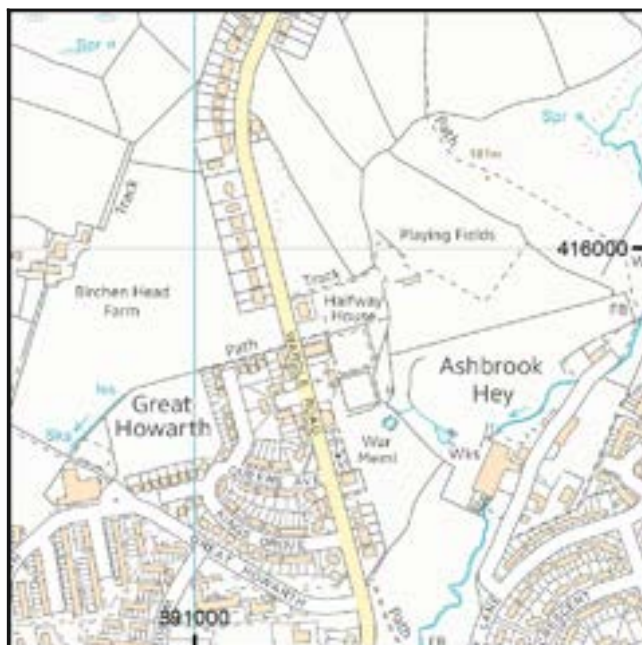
www.groundstability.com

 @coalauthority

 /company/the-coal-authority

 /thecoalauthority

 /thecoalauthority



Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
unnamed	UPPER MOUNTAIN	Coal	3X5Z	21	Beneath Property	2.1	South	50	1926

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Adit	391415-001	391056 415878		Coal	
Shaft	391415-004	391215 415852		Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

8443	16820	
------	-------	--

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

No outcrops recorded.

Geological faults, fissures and breaklines

No faults, fissures or breaklines recorded.

Opencast mines

None recorded within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Future development

If development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply specialist engineering practice required for former mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or coal mines without first obtaining the permission of the Coal Authority.

MINE GAS: Please note, if there are no recorded instances of mine gas within 500m of the enquiry boundary, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded. Developers should be aware that the investigation of coal seams, mine workings or mine entries may have the potential to generate and/or displace underground gases. Associated risks both to the development site and any neighbouring land or properties should be fully considered when undertaking any ground works. The need for effective measures to prevent gases migrating onto any land or into any properties, either during investigation or remediation work, or after development must also be assessed and properly addressed. In these instances, the Coal Authority recommends that a more detailed Gas Risk Assessment is undertaken by a competent assessor.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission. Please note, if there are no recorded instances of mine gas reported, this does not mean that mine gas is not present within the vicinity. The Coal Authority Mine Gas data is limited to only those sites where a Mine Gas incident has been recorded.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

The map highlights any specific surface or subsurface features within or near to the boundary of the site.

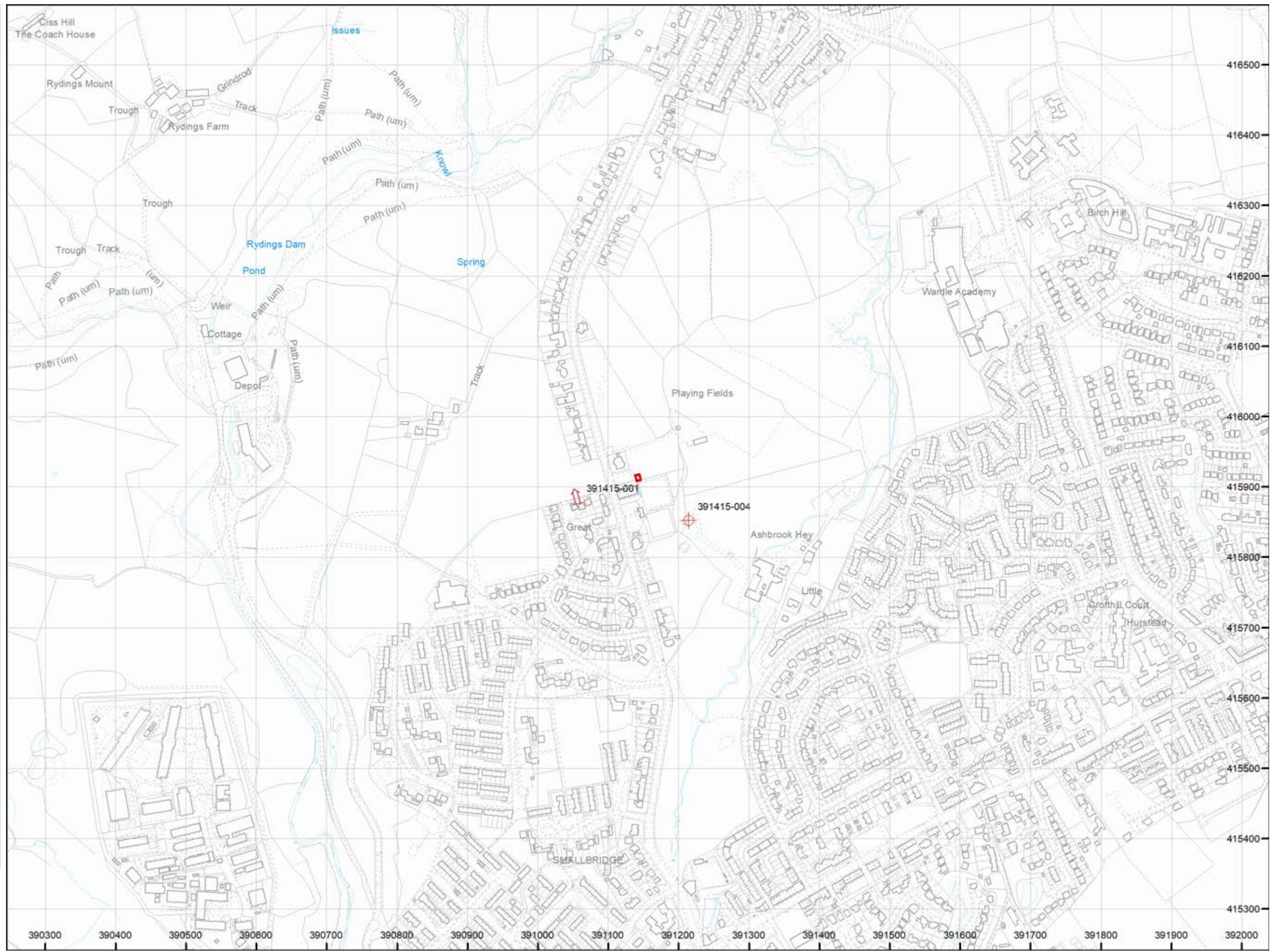
Key

Approximate position of the enquiry boundary shown 

Disused mine shaft 

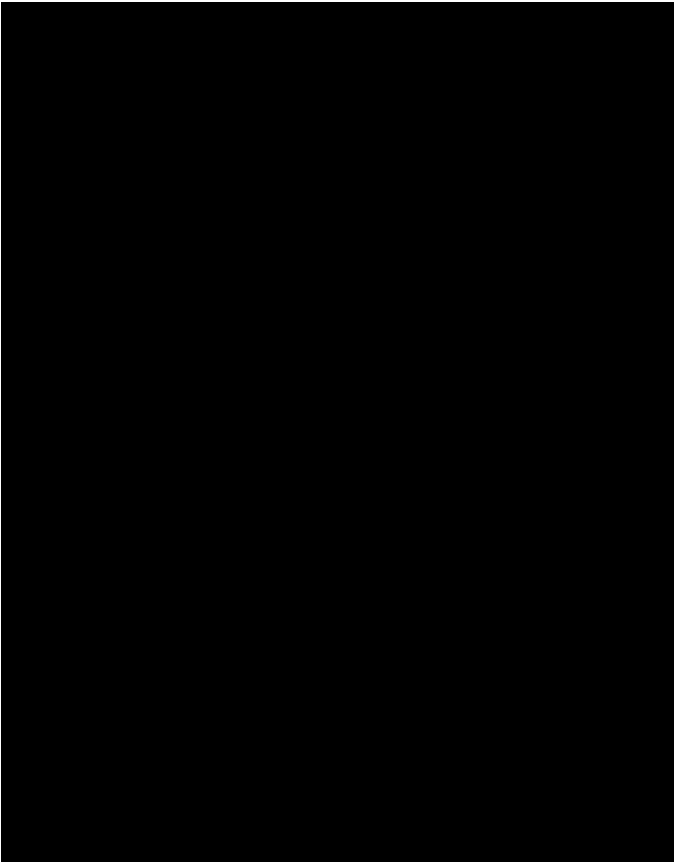
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+44 (0)1623 637 000 (International)
www.groundstability.com

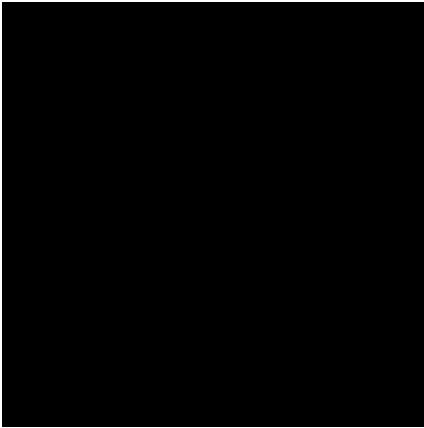


APPENDIX III

Landmark Information Group – Envirocheck Report



Site Sensitivity Map - Segment A13



Order Details

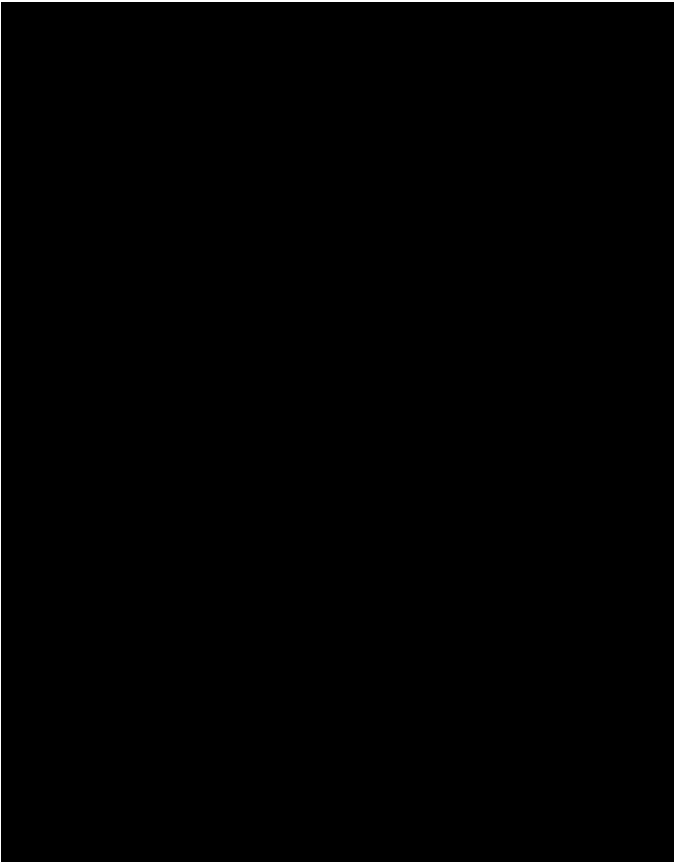
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Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Plot Buffer (m): 100

Site Details

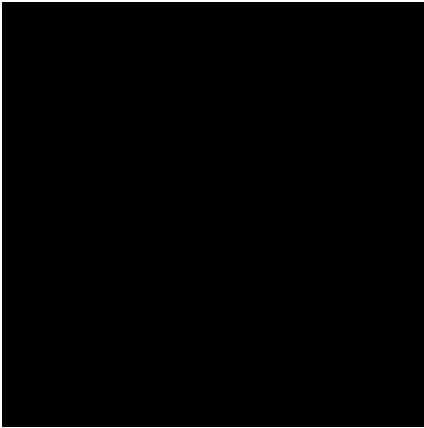
New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



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



Site Sensitivity Map - Slice A



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

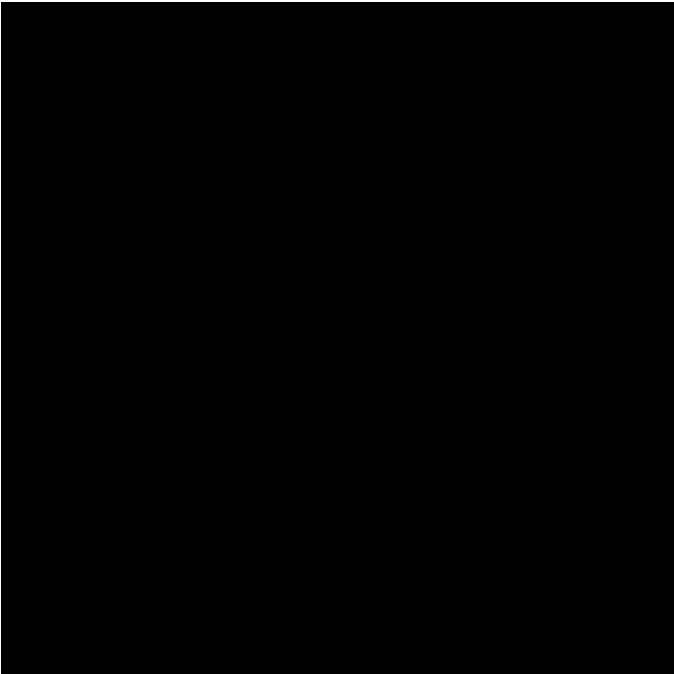
New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



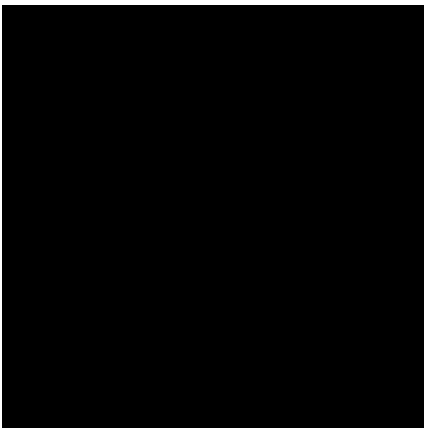
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Industrial Land Use Map



Industrial Land Use Map - Slice A



Order Details

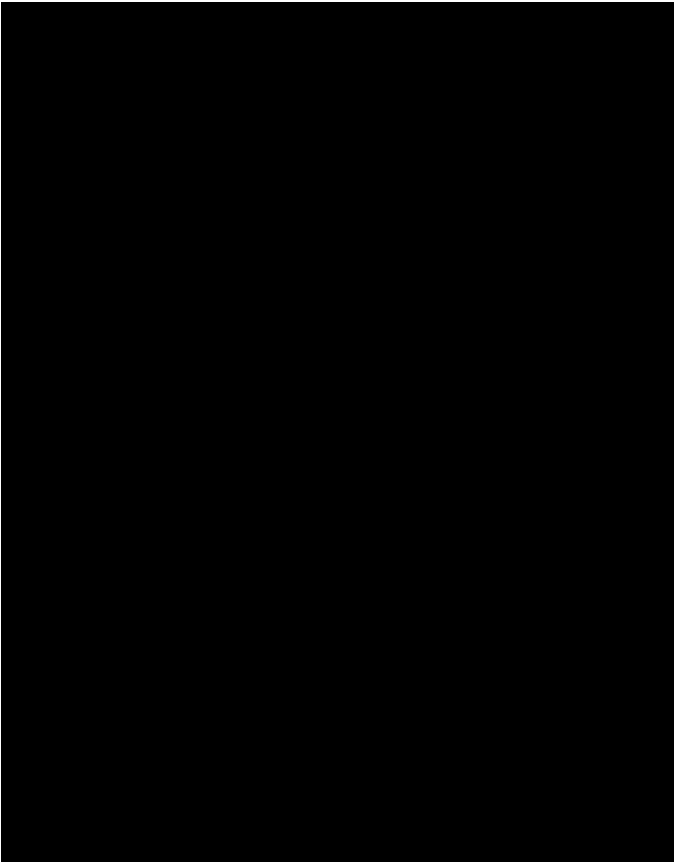
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Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

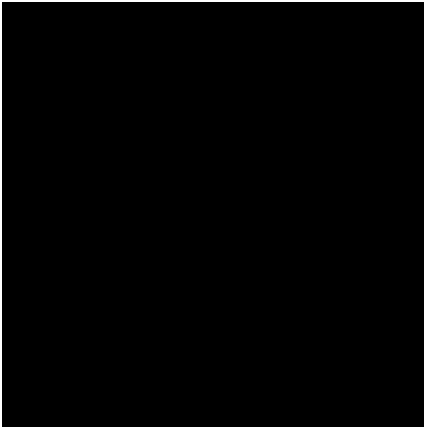
New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



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



Flood Map - Slice A



Order Details

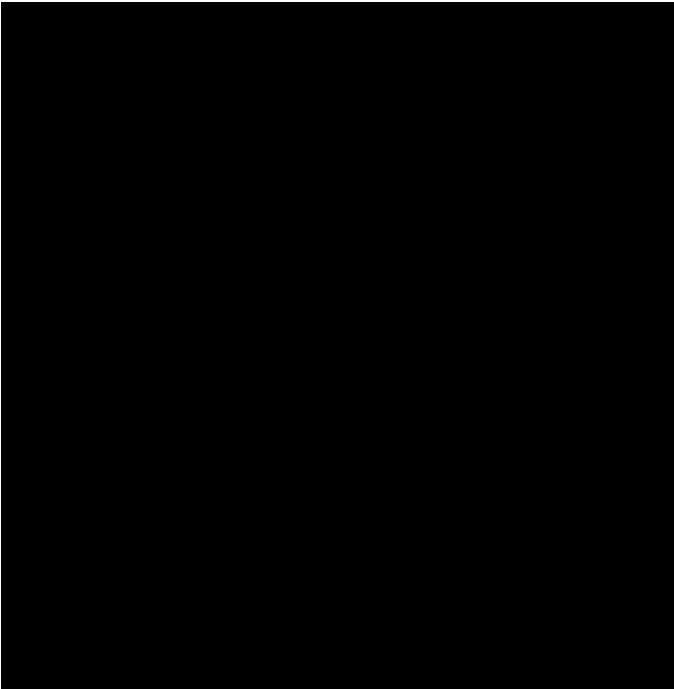
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Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



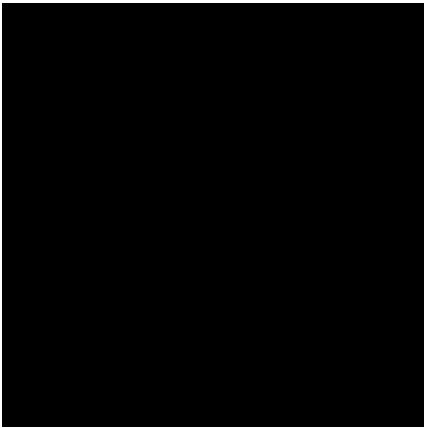
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



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

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

Borehole Map - Slice A



Order Details

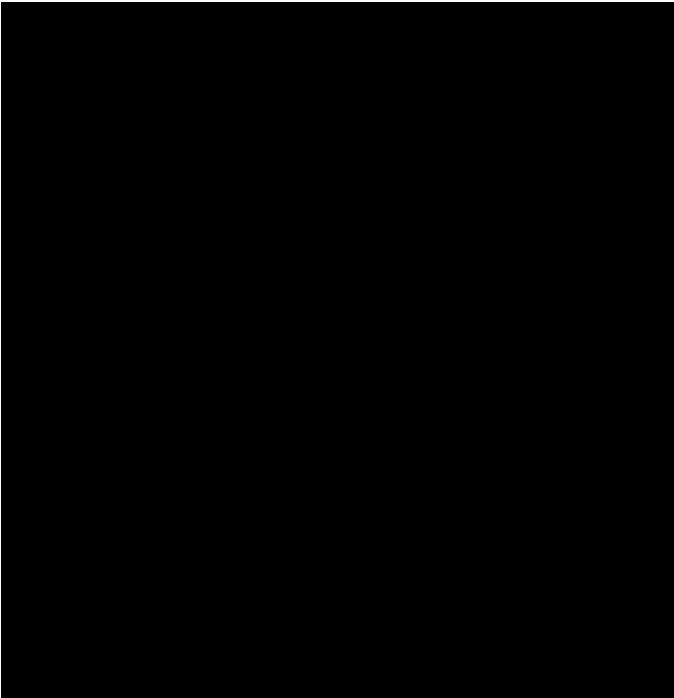
Order Number:	307172747_1_1
Customer Ref:	23-053
National Grid Reference:	391140, 415910
Slice:	A
Site Area (Ha):	0.01
Search Buffer (m):	1000

Site Details

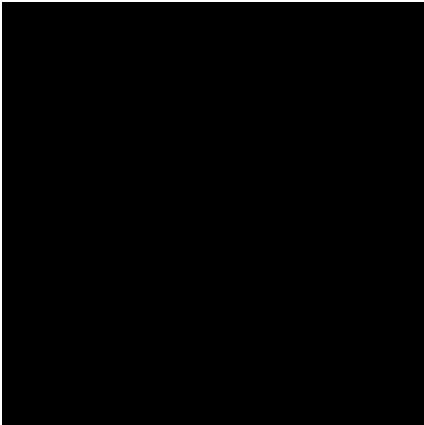
New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



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



OS Water Network Map - Slice A



Order Details

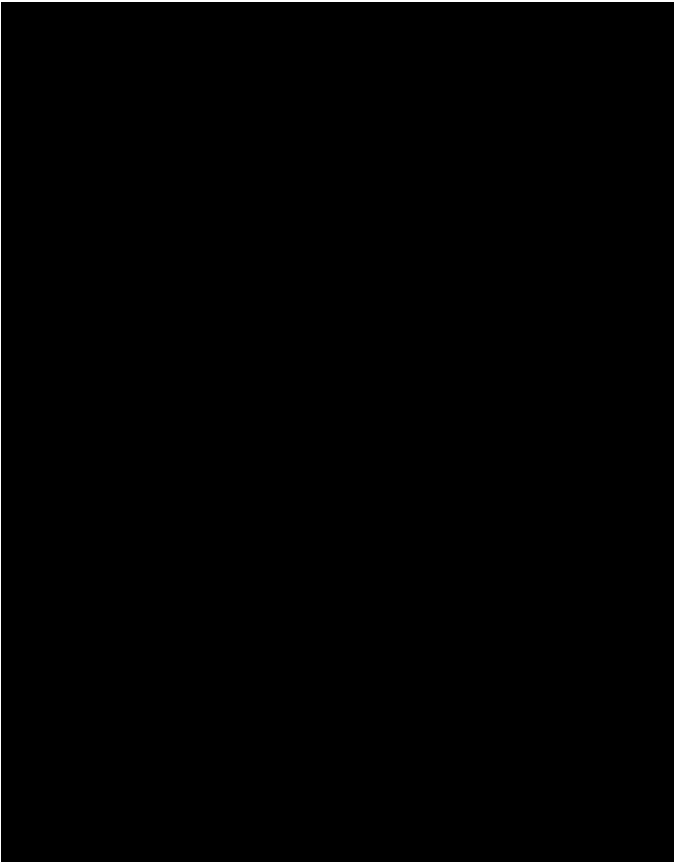
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Customer Ref: 23-053
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Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

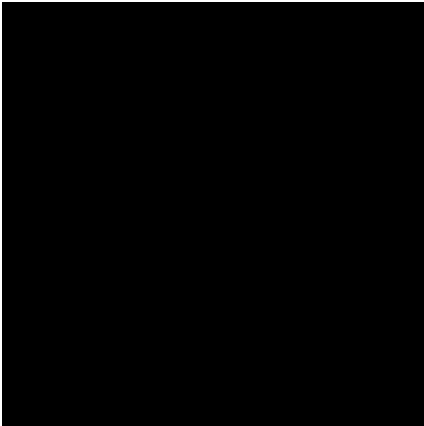
New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



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EA/NRW Suitability Map - Slice A



Order Details

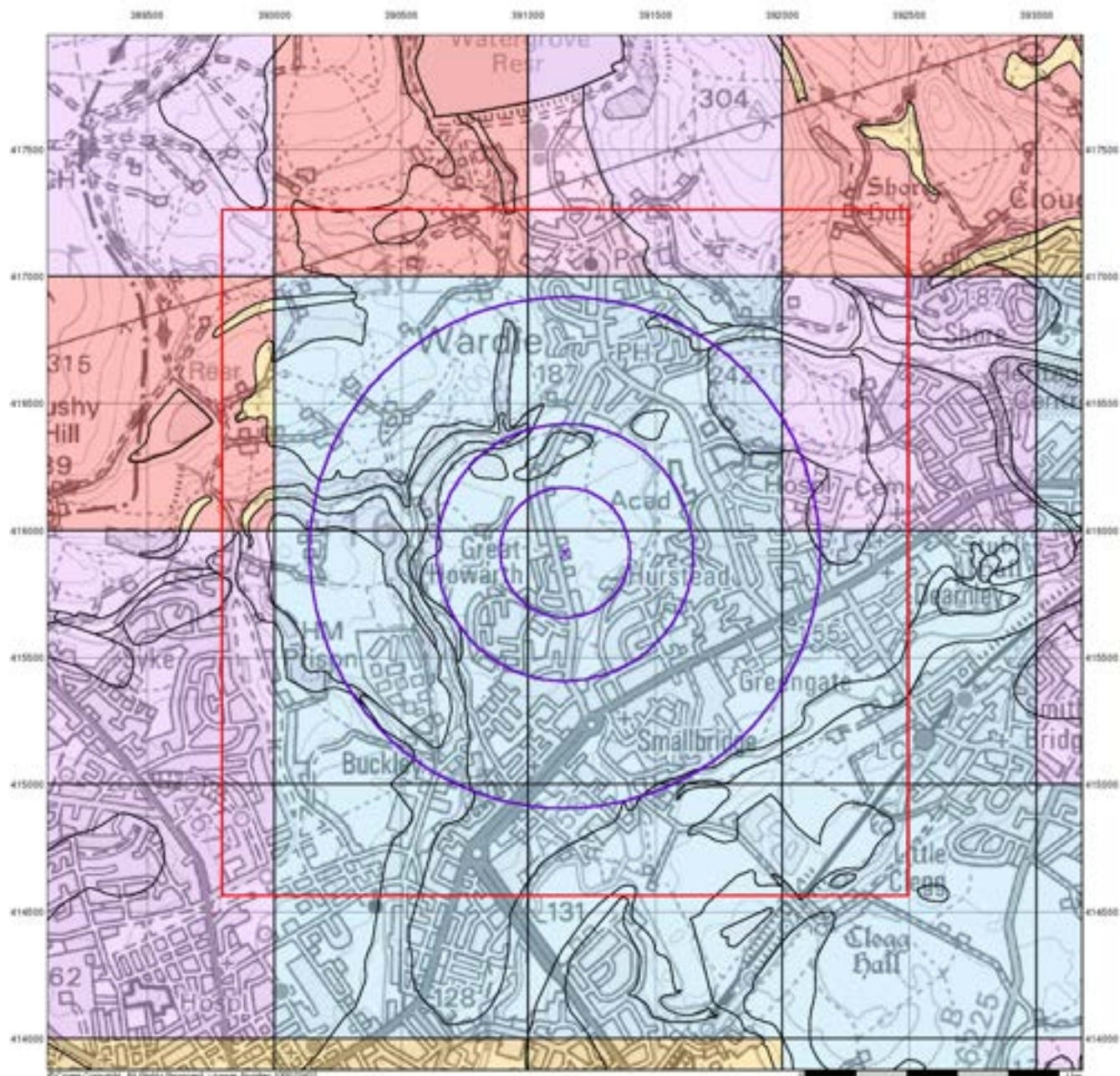
Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

New Sheep Shed, Half Way House, Wardle Road,
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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

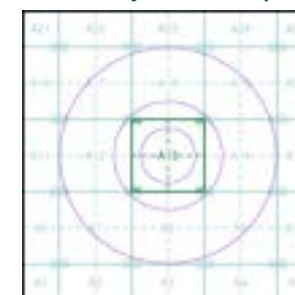
- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Superficial Aquifers

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

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

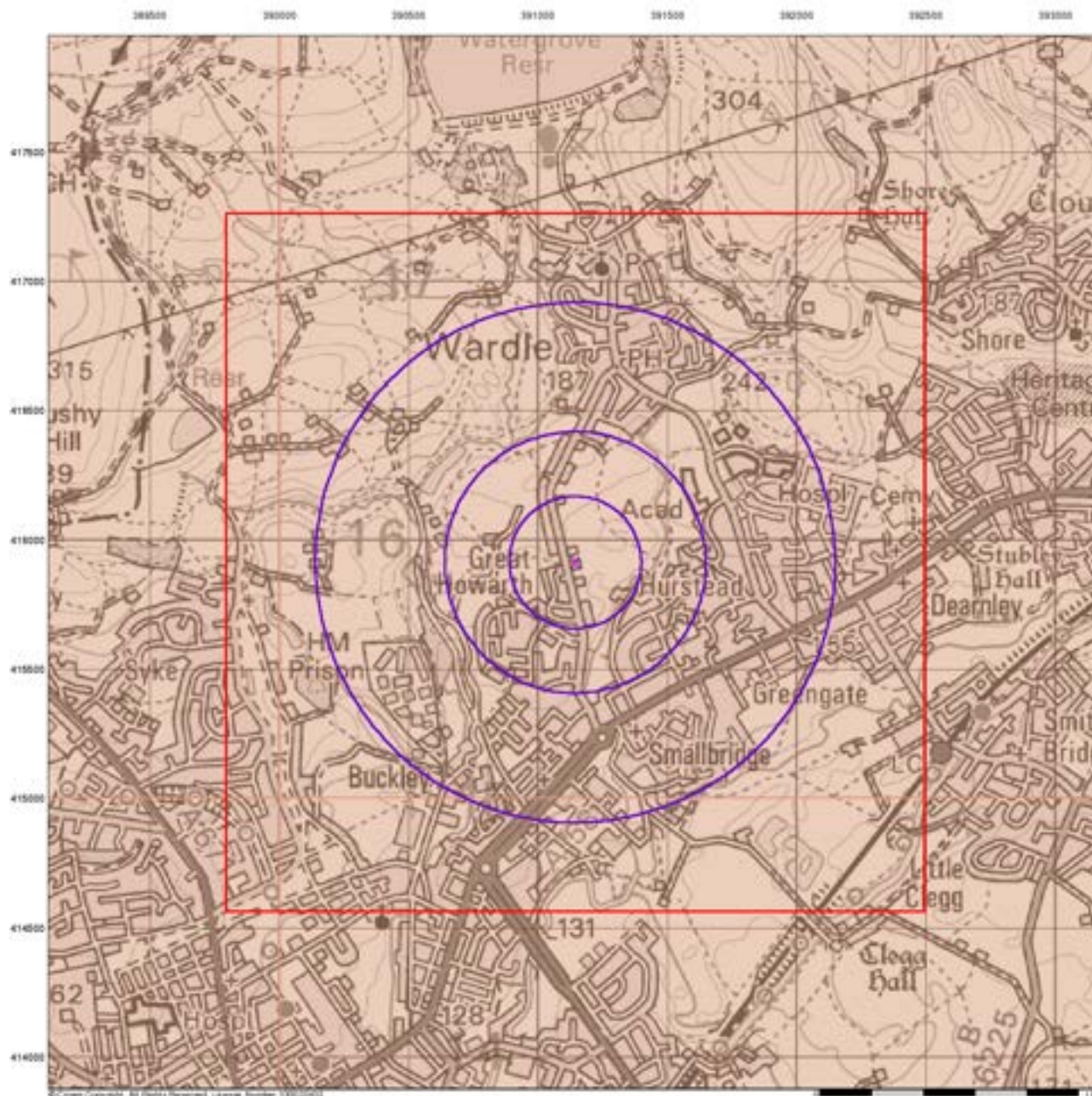
Order Number: 307172747_1_1
 Customer Ref: 23-053
 National Grid Reference: 391140, 415910
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

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Bedrock Aquifer Designation

General

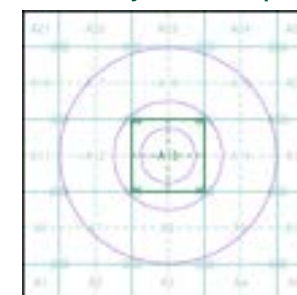
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

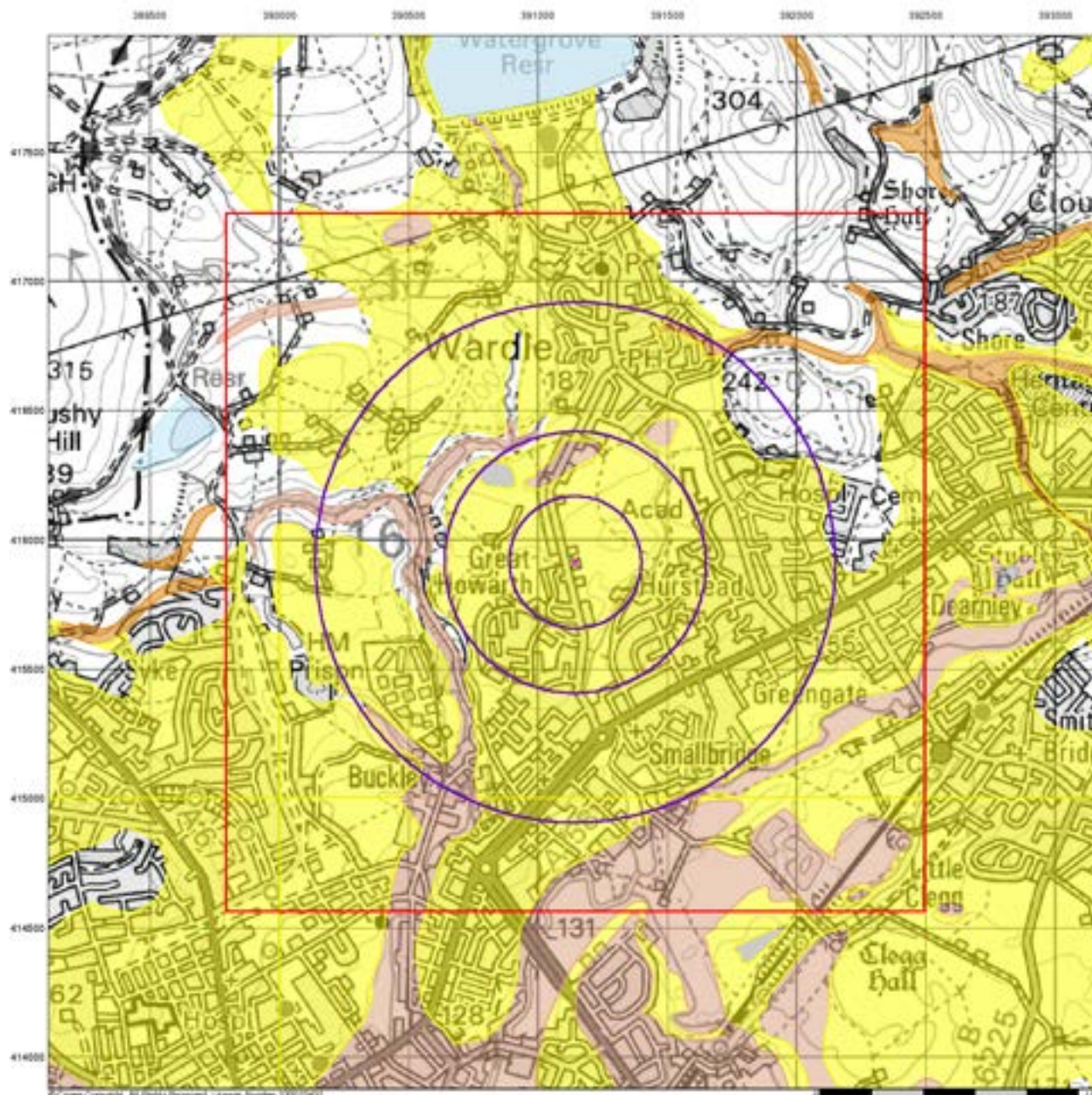
Order Number: 307172747_1_1
 Customer Ref: 23-053
 National Grid Reference: 391140, 415910
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

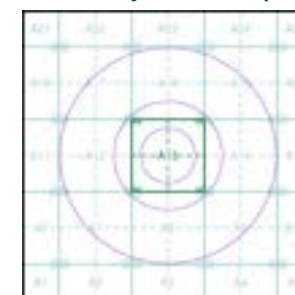
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Site
- Map ID

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

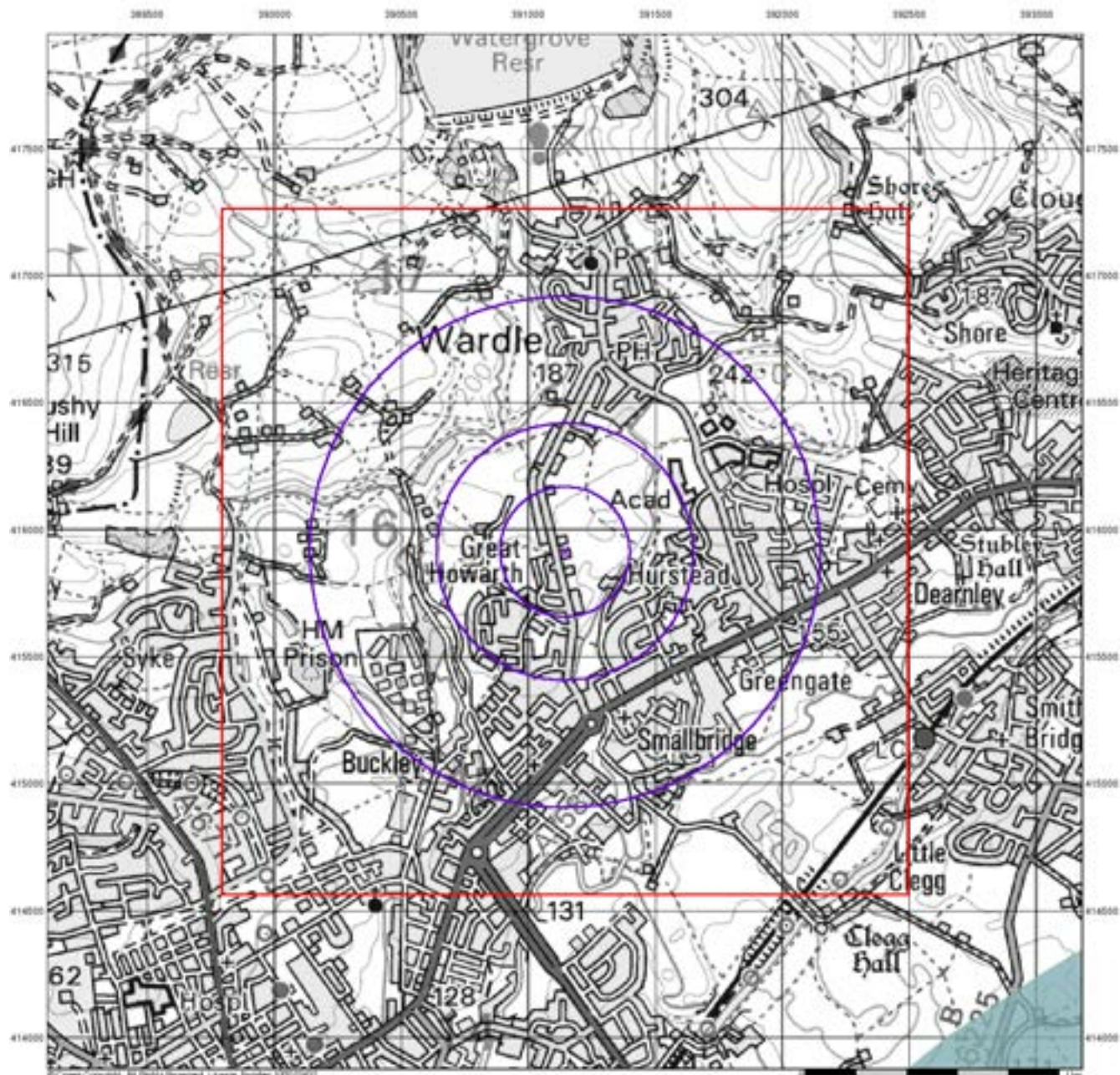
Order Number: 307172747_1_1
 Customer Ref: 23-053
 National Grid Reference: 391140, 415910
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

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Source Protection Zones

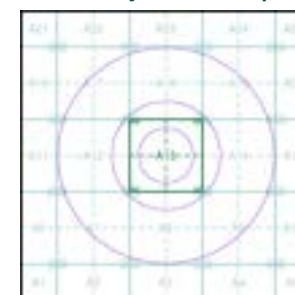
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

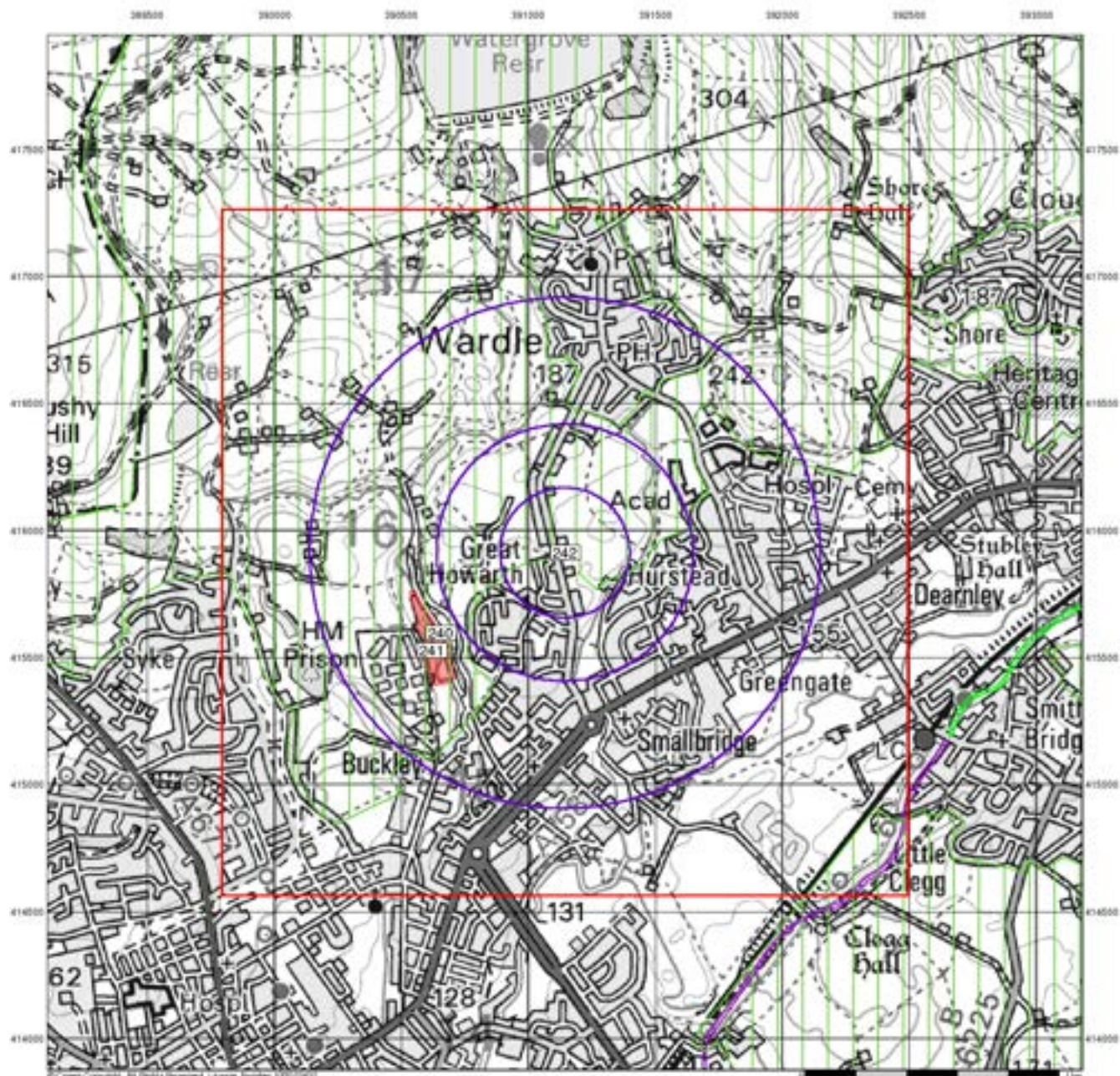
Order Number: 307172747_1_1
 Customer Ref: 23-053
 National Grid Reference: 391140, 415910
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

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Sensitive Land Uses

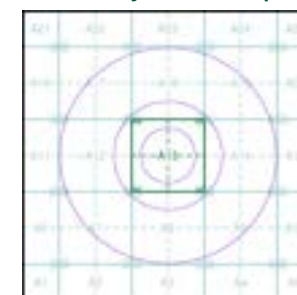
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

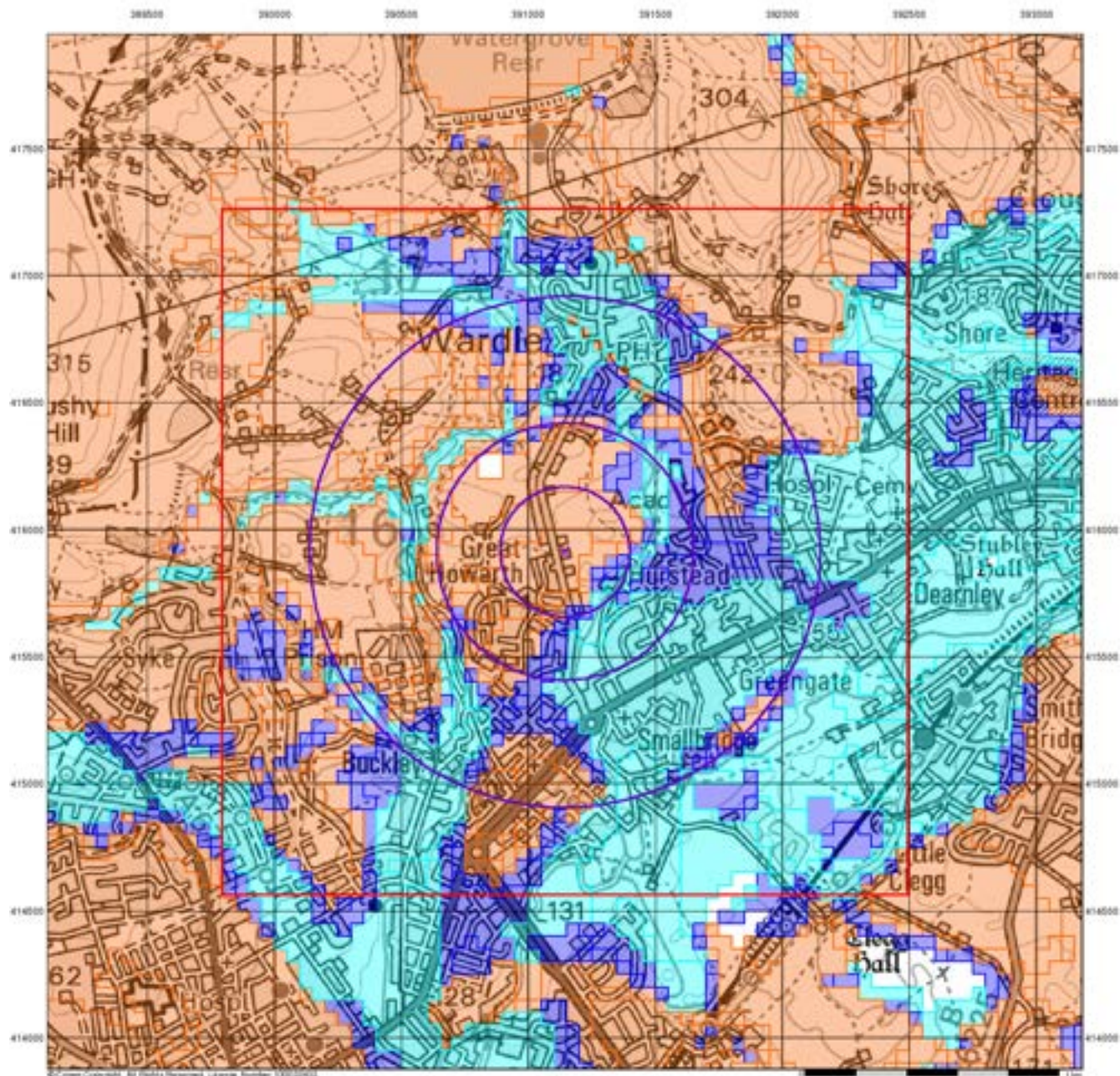
Order Number: 307172747_1_1
 Customer Ref: 23-053
 National Grid Reference: 391140, 415910
 Slice: A
 Site Area (Ha): 0.01
 Search Buffer (m): 1000

Site Details

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 Web: www.envirocheck.co.uk



BGS Flood GFS Data

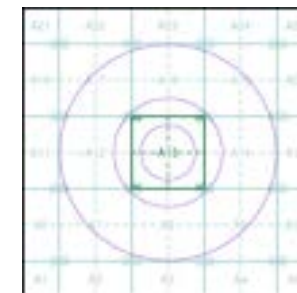
General

- 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

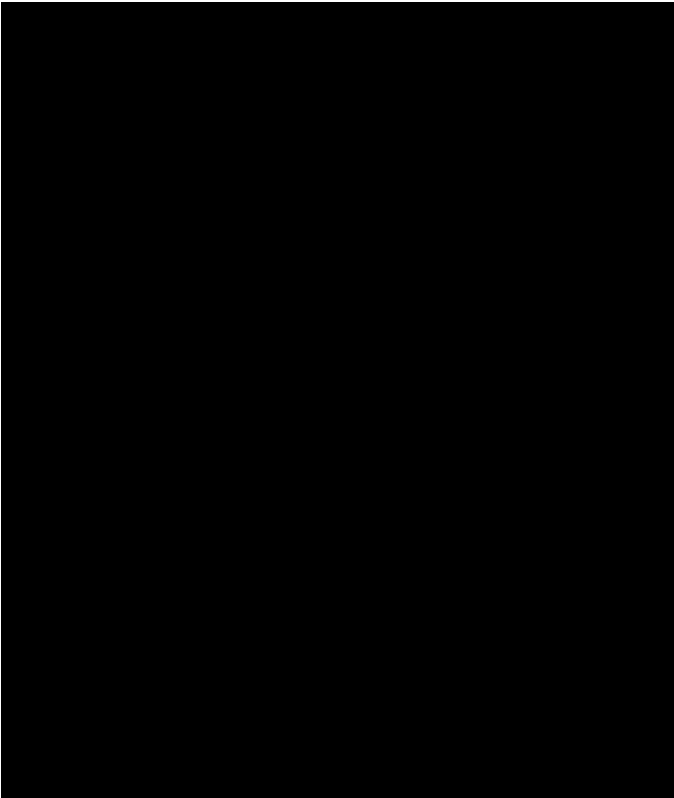
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 Search Buffer (m): 1000

Site Details

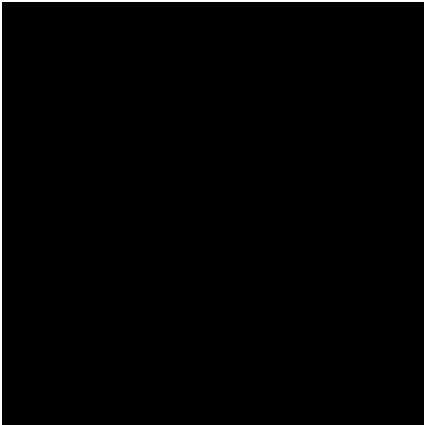
New Sheep Shed, Half Way House, Wardle Road, ROCHDALE, OL12 9ER



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



Estimated Soil Chemistry Arsenic - Slice A



Order Details

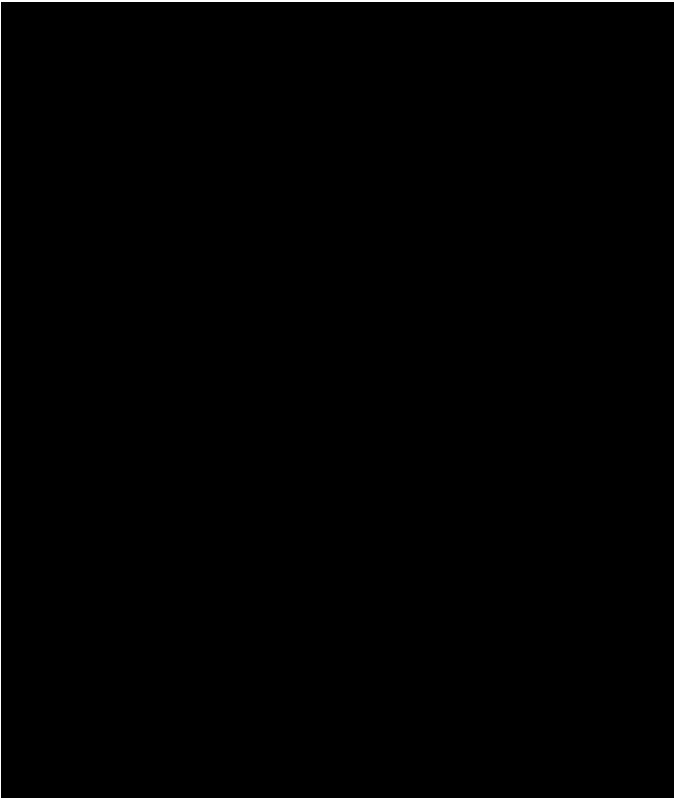
Order Details: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

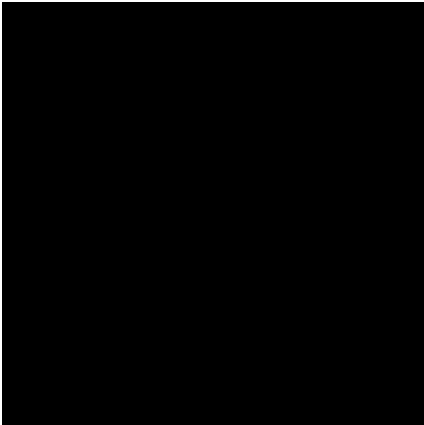
New Sheep Shed, Half Way House, Wardle Road,
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Estimated Soil Chemistry Cadmium - Slice A



Order Details

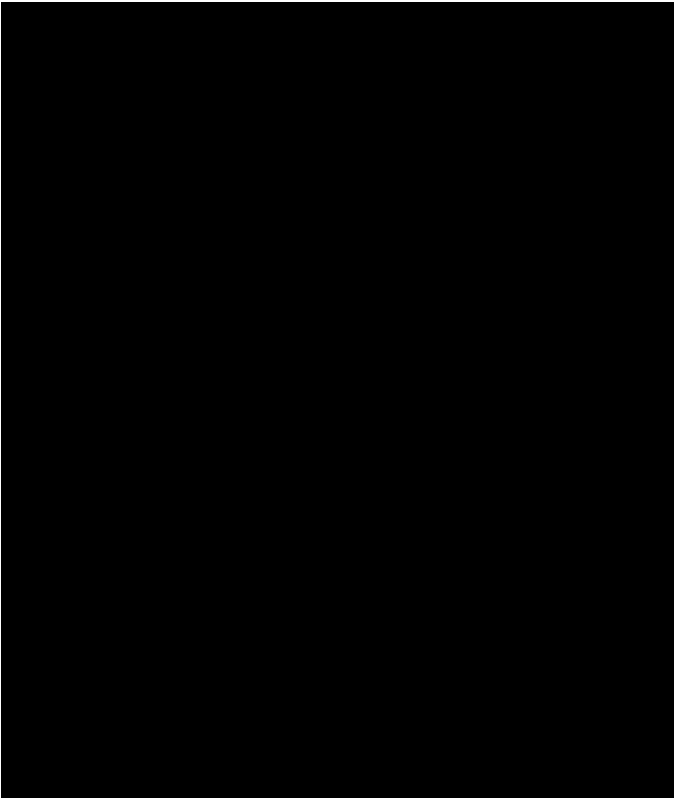
Order Details: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

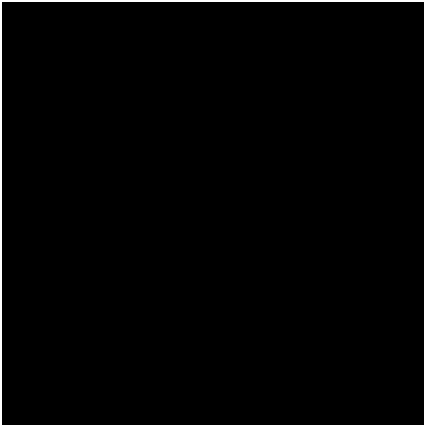
New Sheep Shed, Half Way House, Wardle Road,
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Web: www.envirocheck.co.uk



Estimated Soil Chemistry Chromium - Slice A



Order Details

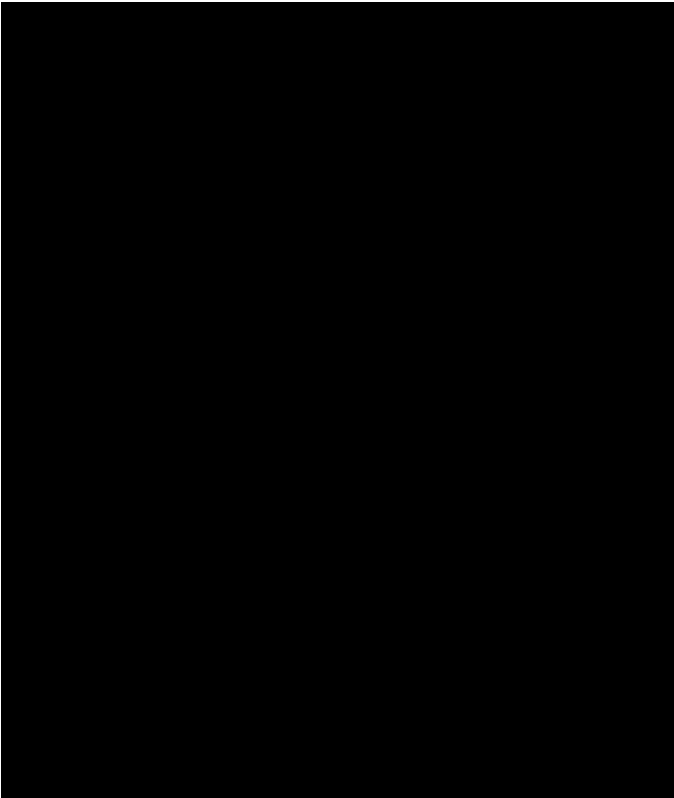
Order Details: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

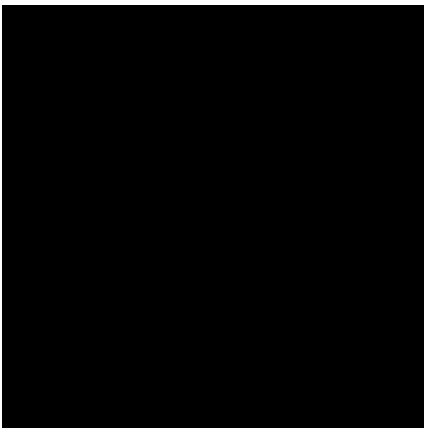
New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



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



Estimated Soil Chemistry Lead - Slice A



Order Details

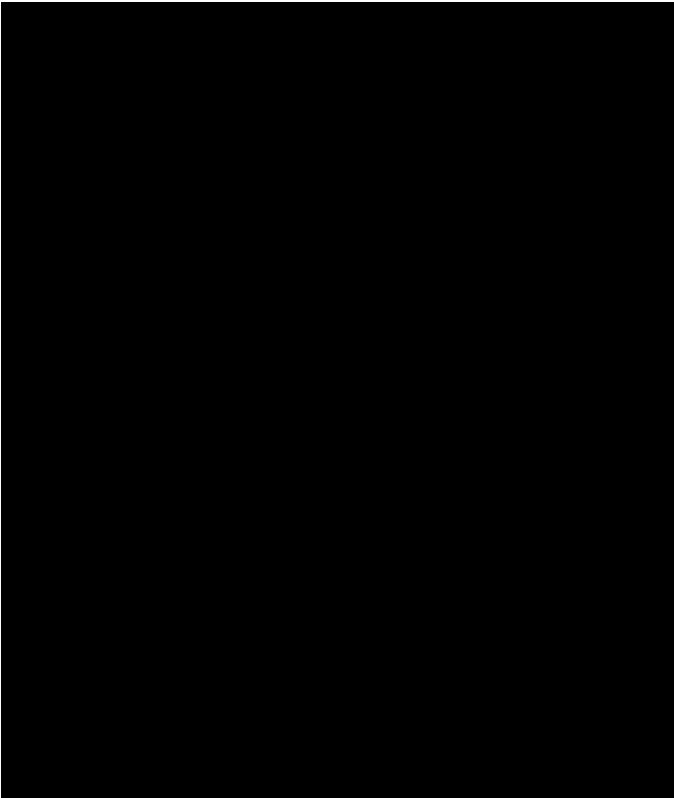
Order Details: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

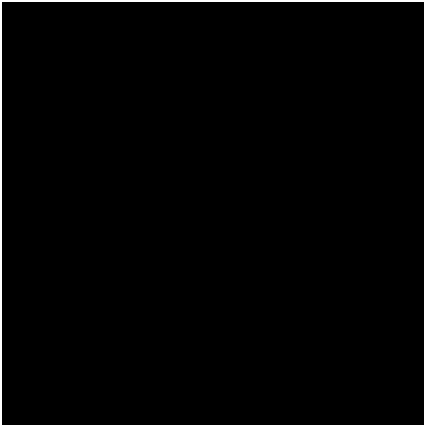
New Sheep Shed, Half Way House, Wardle Road,
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Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

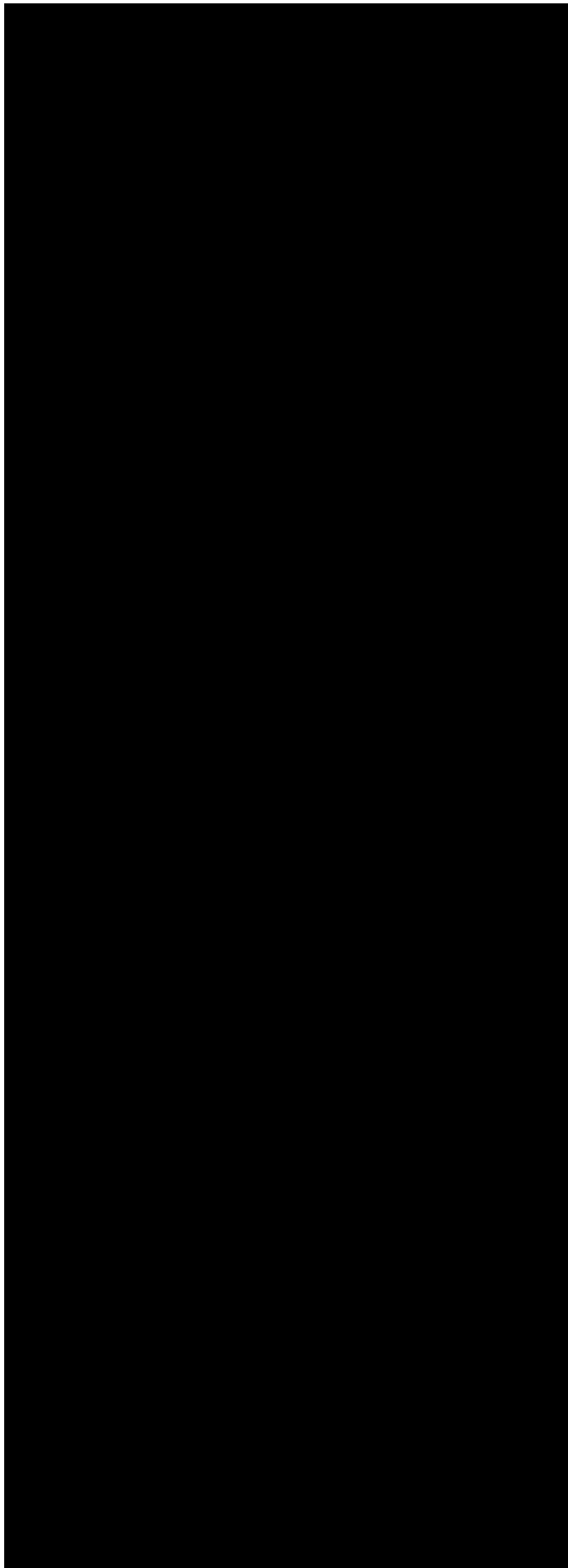
New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



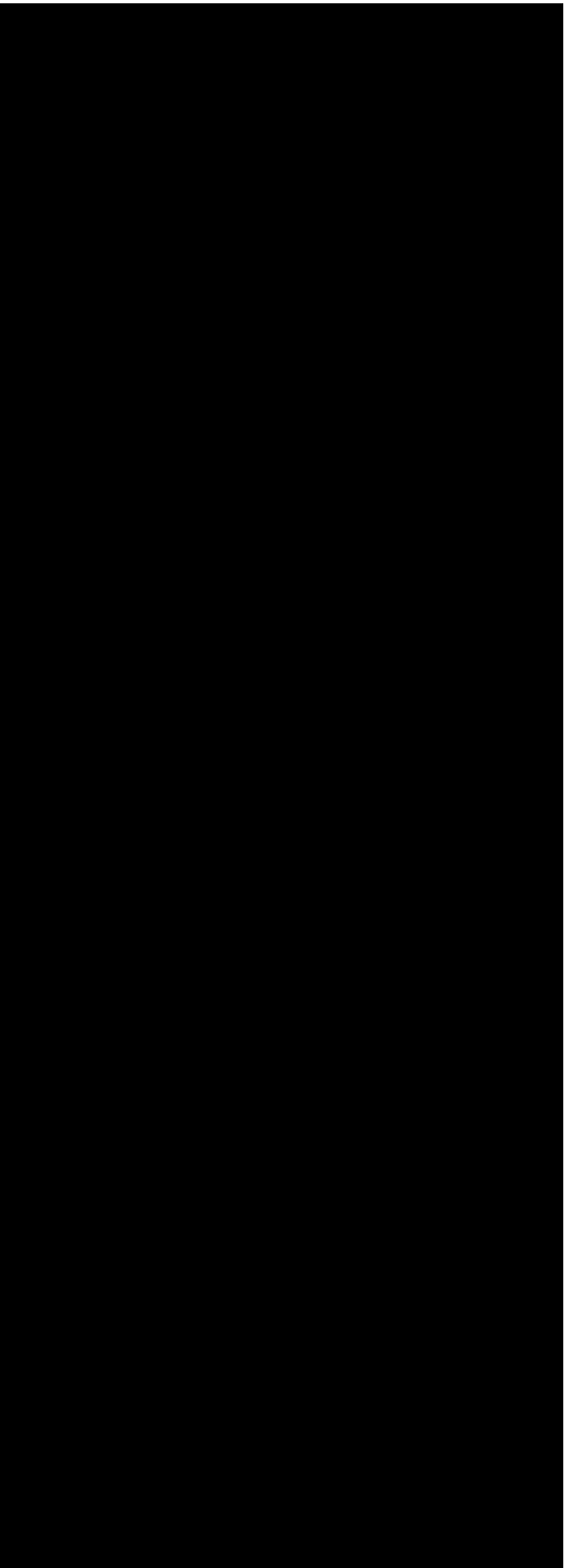
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

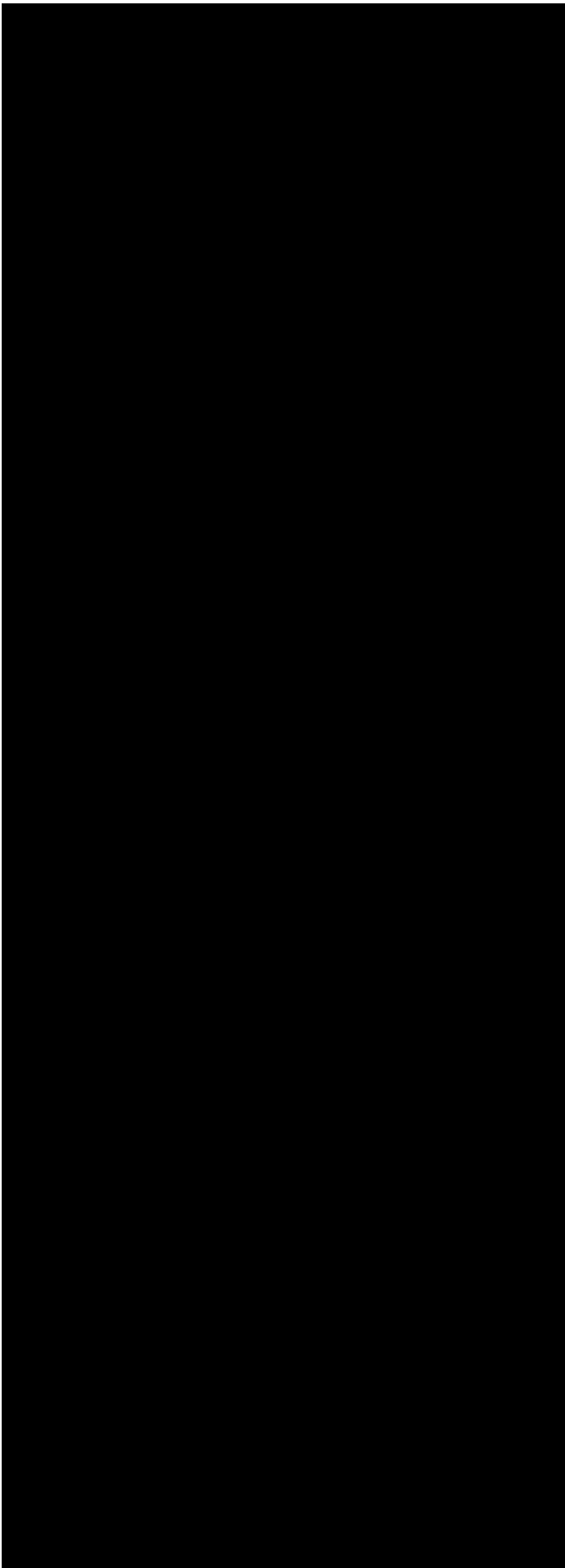
Ordnance Survey County Series and
Ordnance Survey Plan 1:2,500



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



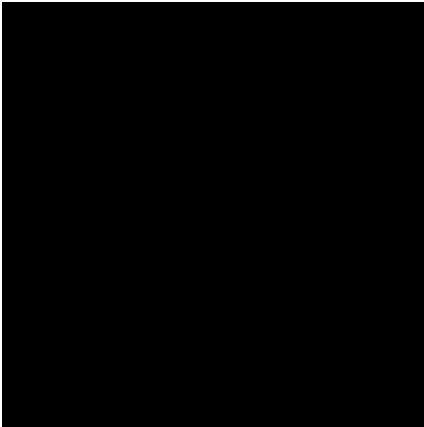
Large-Scale National Grid Data 1:2,500 and
1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1890 - 1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1930	4
Lancashire And Furness	1:2,500	1937 - 1939	5
Ordnance Survey Plan	1:1,250	1958 - 1960	6
Ordnance Survey Plan	1:2,500	1964	7
Additional SIMs	1:2,500	1964	8
Ordnance Survey Plan	1:1,250	1970	9
Supply of Unpublished Survey Information	1:1,250	1976	10
Supply of Unpublished Survey Information	1:2,500	1976	11
Additional SIMs	1:1,250	1984 - 1989	12
Additional SIMs	1:2,500	1989	13
Large-Scale National Grid Data	1:2,500	1992	14
Large-Scale National Grid Data	1:1,250	1992	15
Large-Scale National Grid Data	1:2,500	1996	16
Historical Aerial Photography	1:2,500	2000	17

Historical Map - Segment A13



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

New Sheep Shed, Half Way House, Wardle Road,
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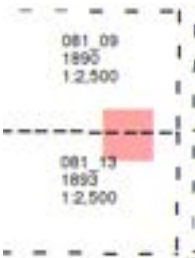
Lancashire And Furness

Published 1890 - 1893

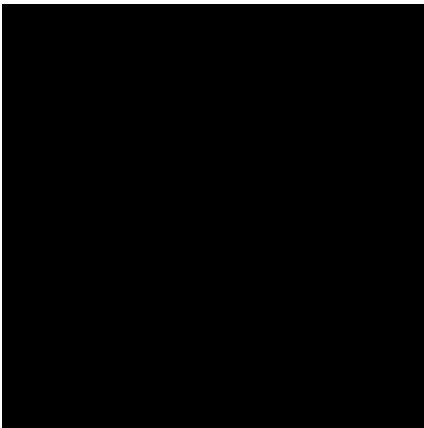
Source map scale - 1:2,500

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

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

New Sheep Shed, Half Way House, Wardle Road,
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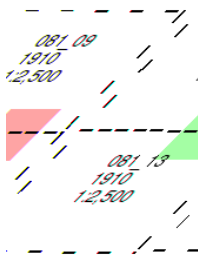
Lancashire And Furness

Published 1910

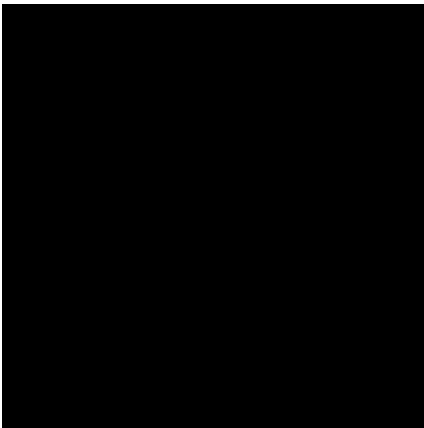
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

New Sheep Shed, Half Way House, Wardle Road,
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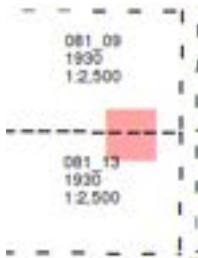
Lancashire And Furness

Published 1930

Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

New Sheep Shed, Half Way House, Wardle Road,
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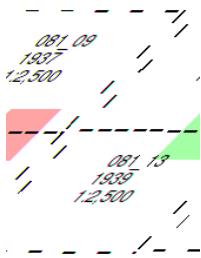
Lancashire And Furness

Published 1937 - 1939

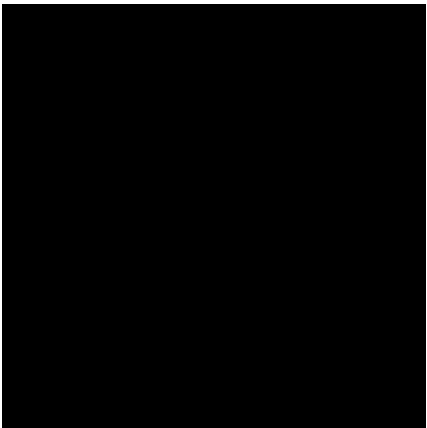
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

New Sheep Shed, Half Way House, Wardle Road,
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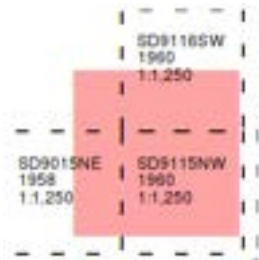
Ordnance Survey Plan

Published 1958 - 1960

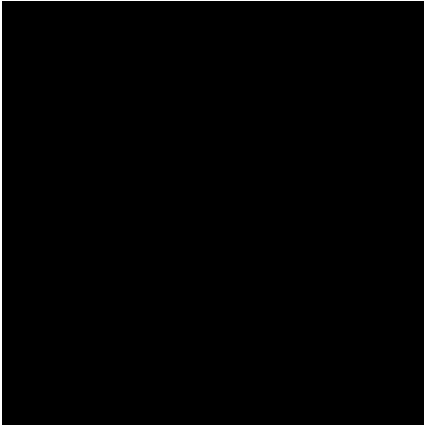
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



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



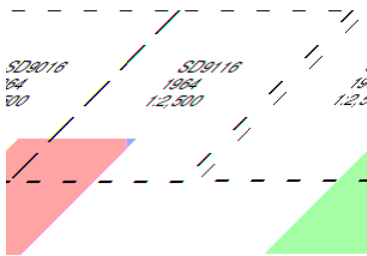
Ordnance Survey Plan

Published 1964

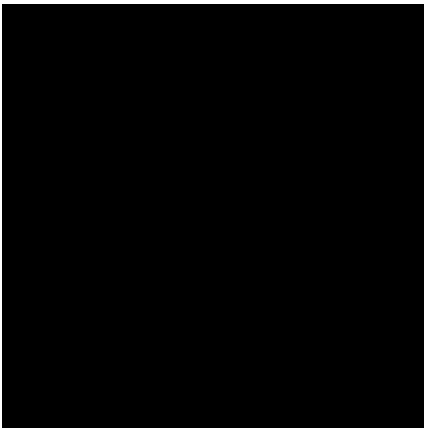
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



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



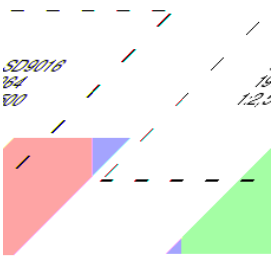
Additional SIMs

Published 1964

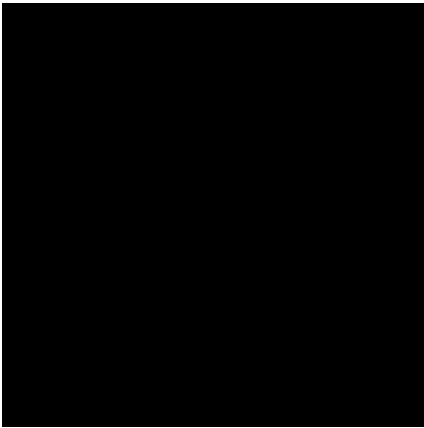
Source map scale - 1:2,500

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



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

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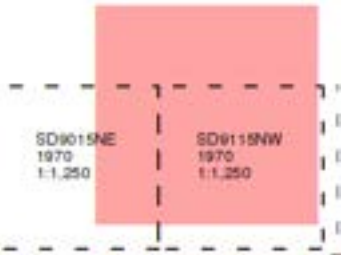
Ordnance Survey Plan

Published 1970

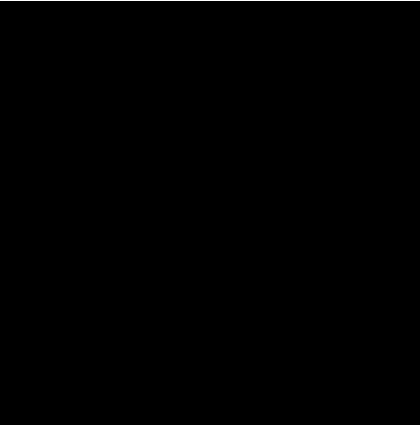
Source map scale - 1:1,250

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



Order Details

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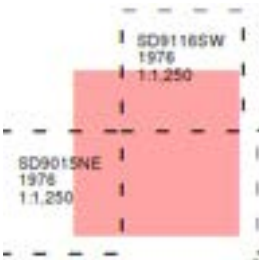
Supply of Unpublished Survey Information

Published 1976

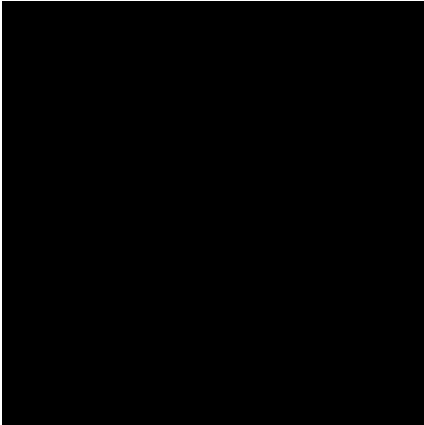
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



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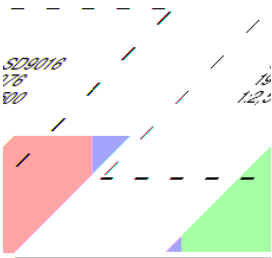
Supply of Unpublished Survey Information

Published 1976

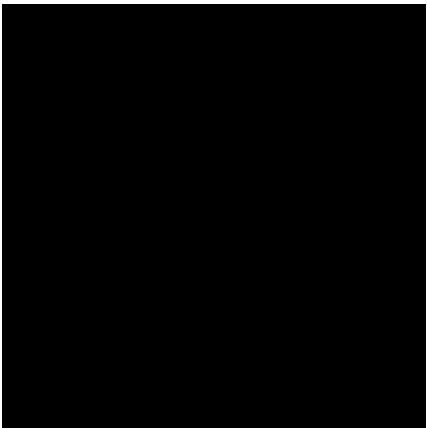
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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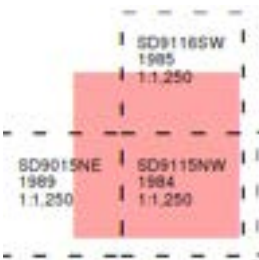
Additional SIMs

Published 1984 - 1989

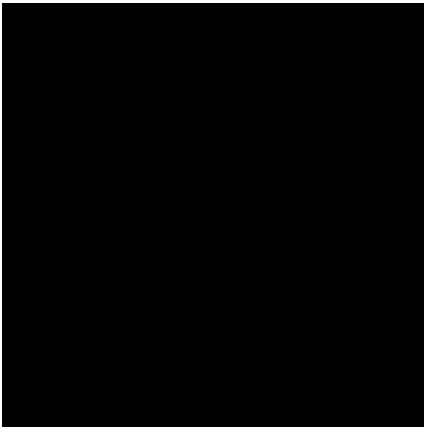
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



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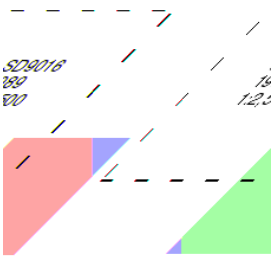
Additional SIMs

Published 1989

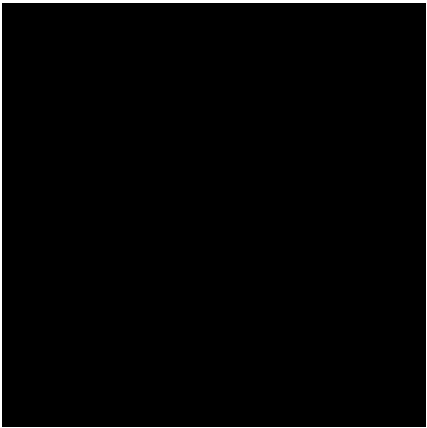
Source map scale - 1:2,500

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)



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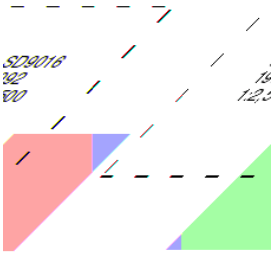
Large-Scale National Grid Data

Published 1992

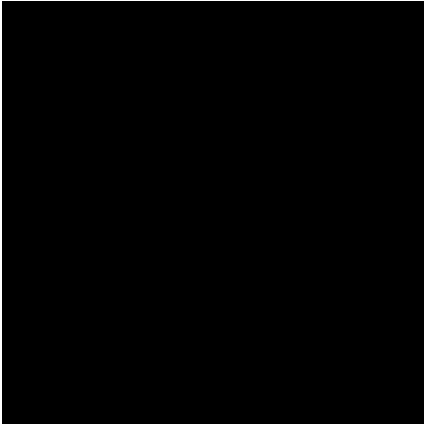
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

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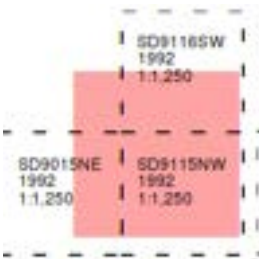
Large-Scale National Grid Data

Published 1992

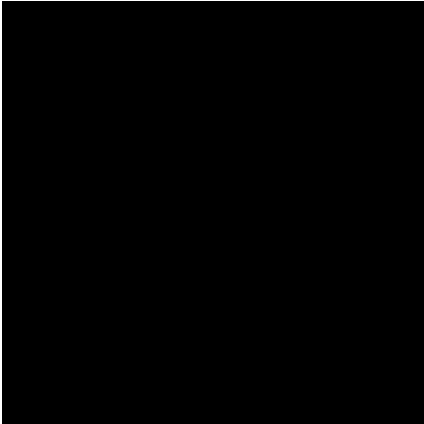
Source map scale - 1:1,250

'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



Order Details

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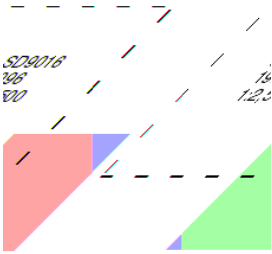
Large-Scale National Grid Data

Published 1996

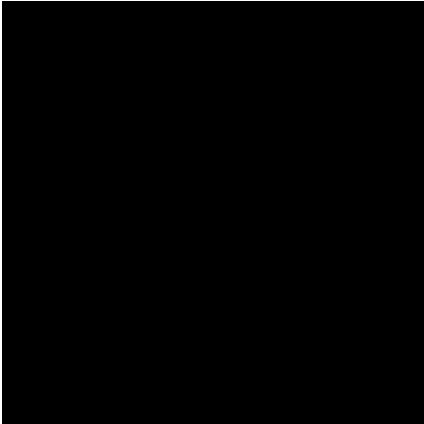
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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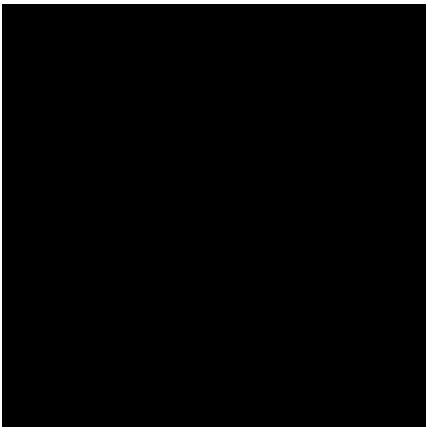


Historical Aerial Photography

Published 2000

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

Historical Aerial Photography - Segment A13



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 100

Site Details

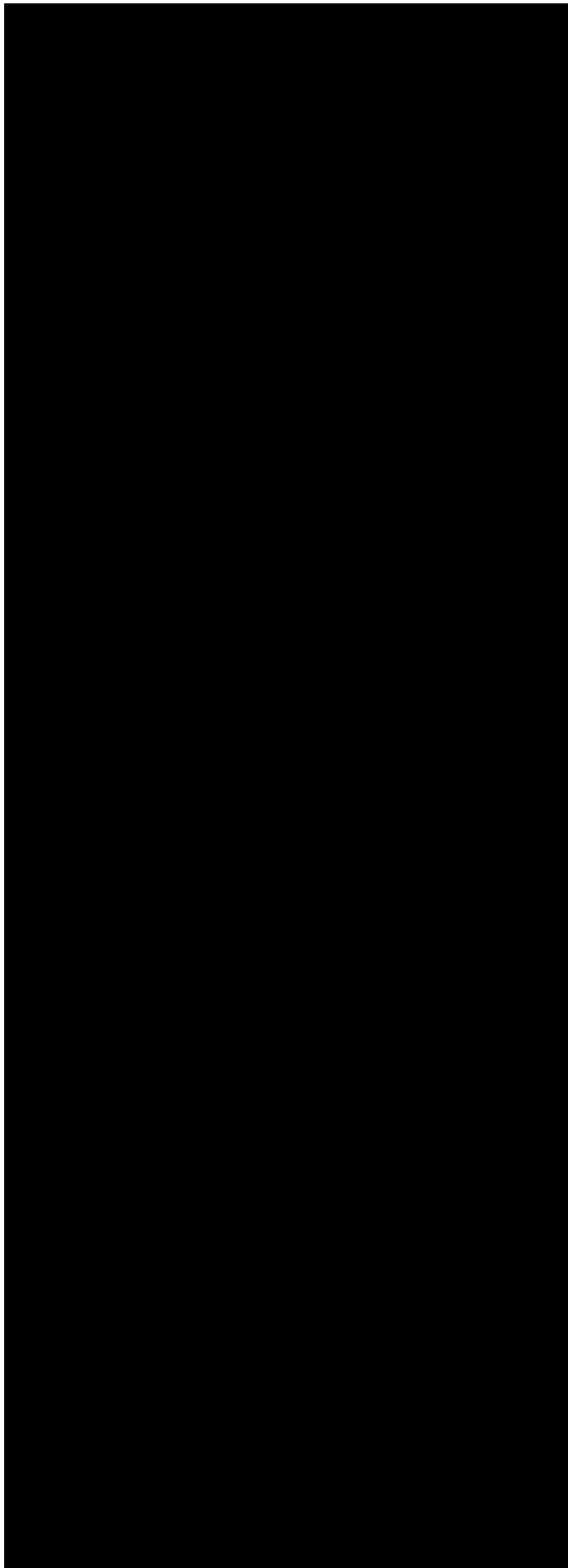
New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



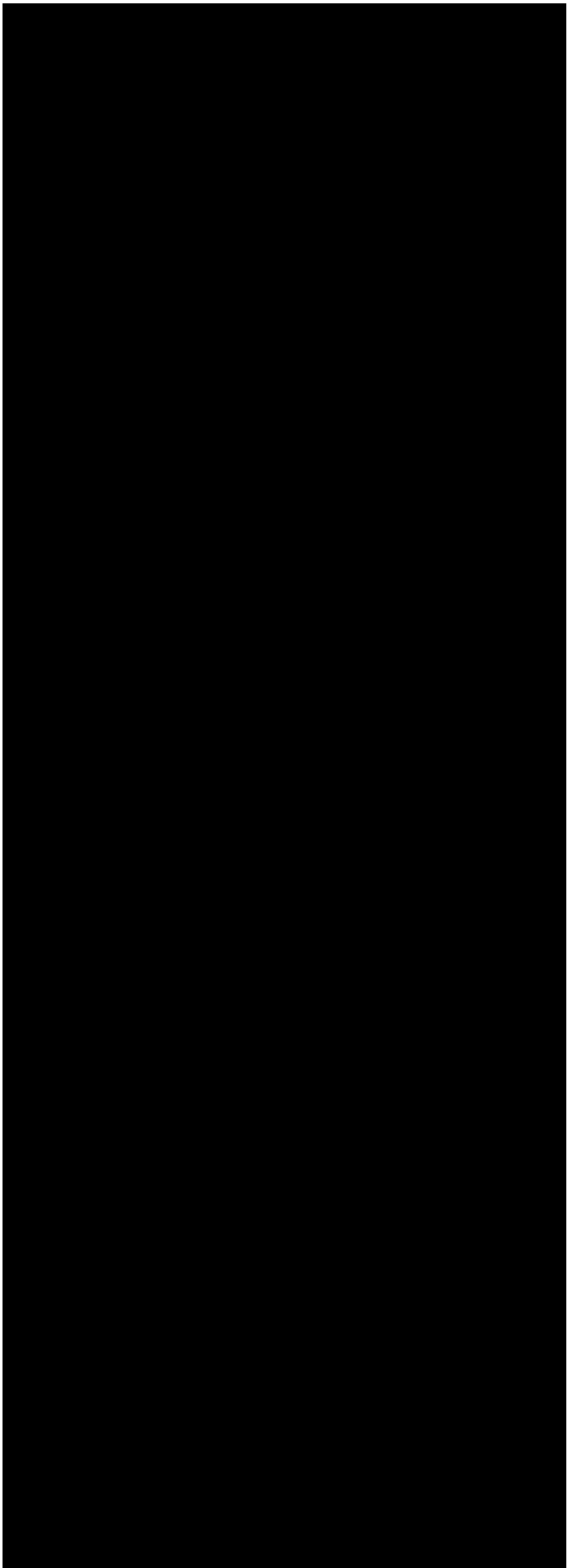
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

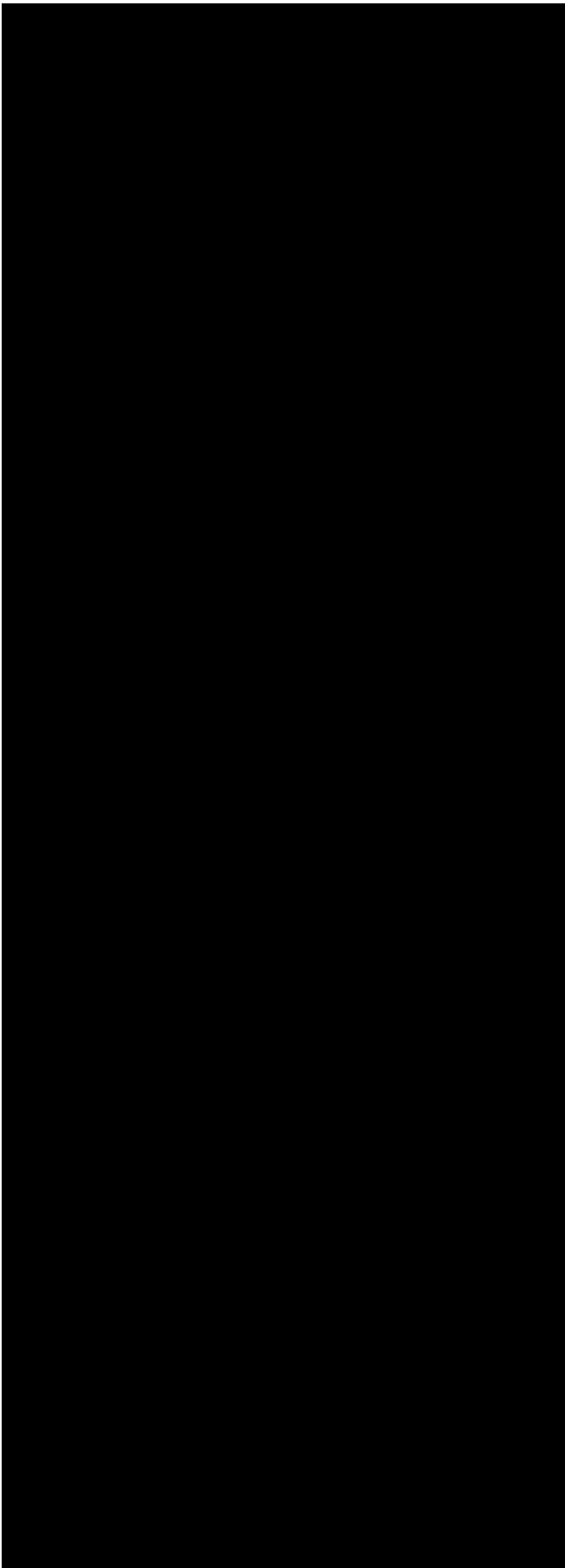
Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



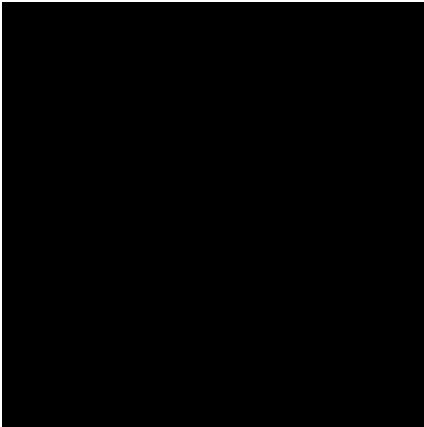
1:10,000 Raster Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1911	6
Lancashire And Furness	1:10,560	1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1967 - 1968	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1977 - 1979	12
Ordnance Survey Plan	1:10,000	1981 - 1988	13
Ordnance Survey Plan	1:10,000	1990 - 1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2022	17

Historical Map - Slice A



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

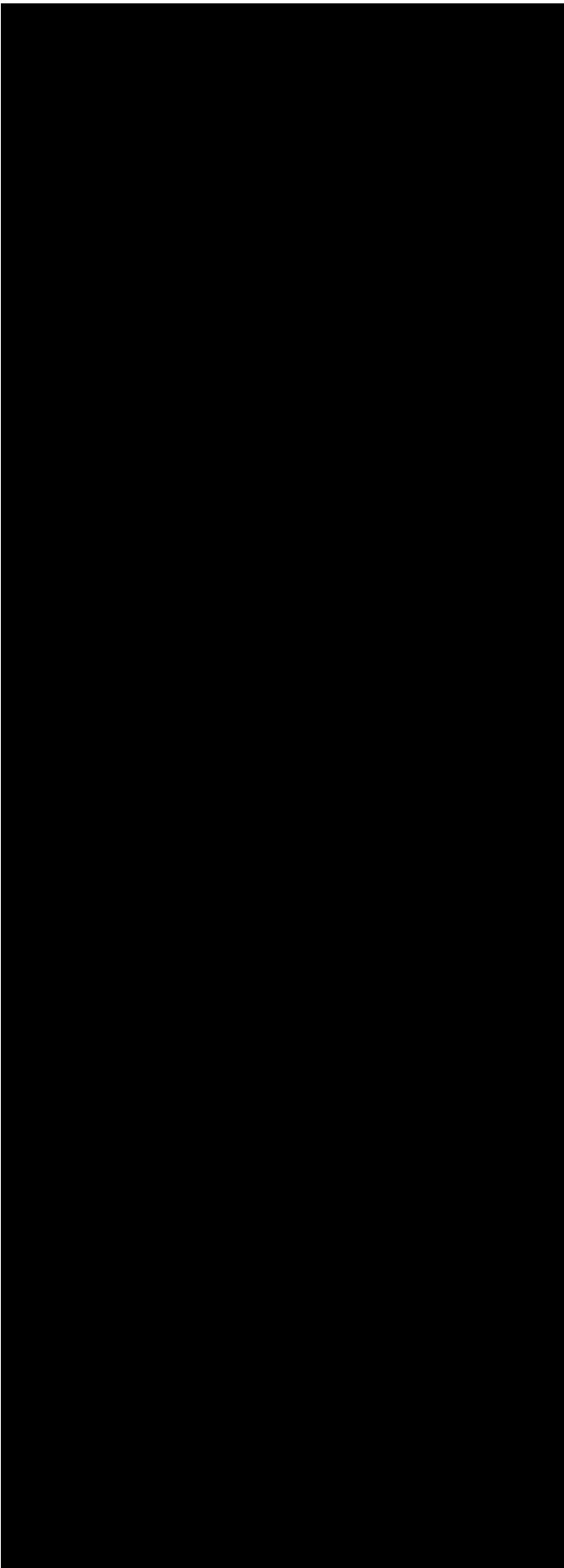
New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



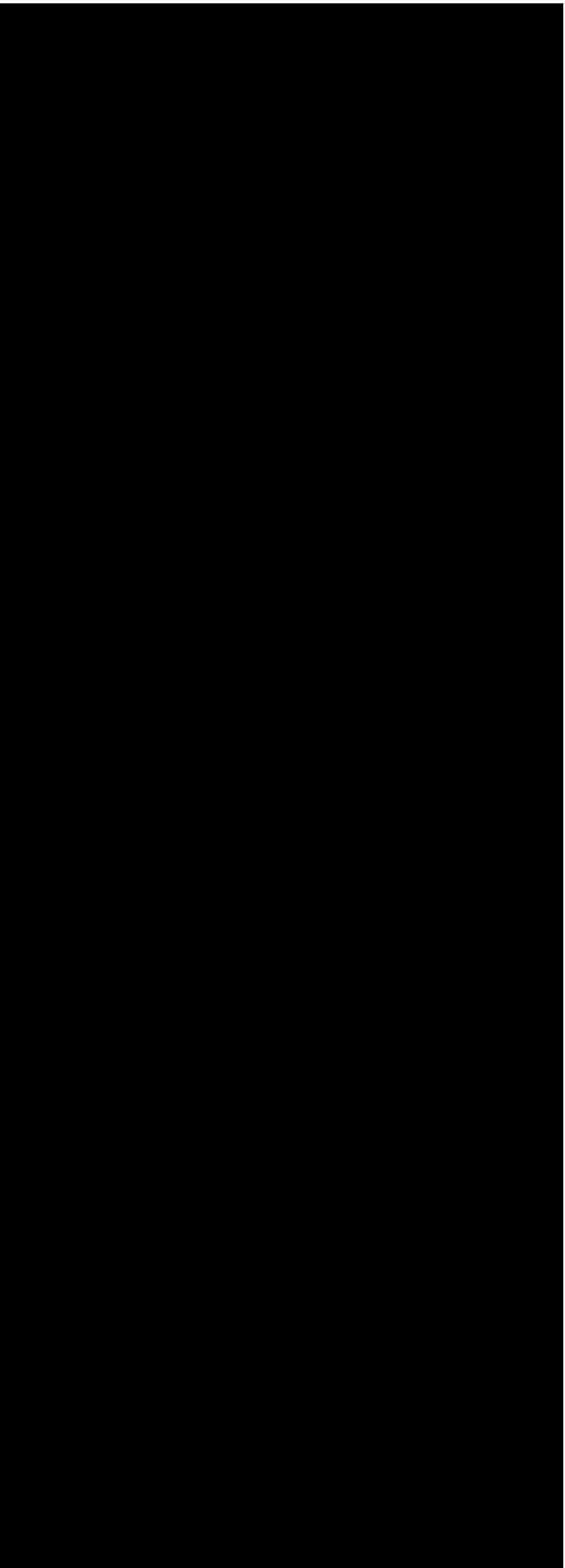
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Russian Military Mapping Legends

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



1:25,000 mapping



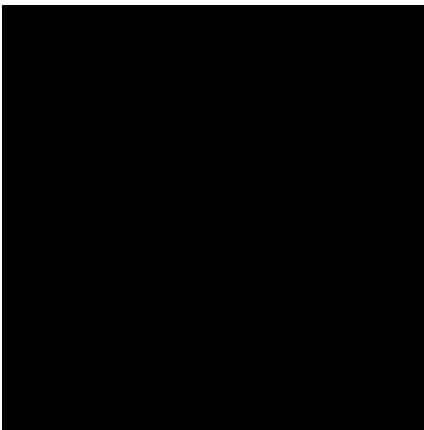
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Yorkshire	1:10,560	1854	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1911	6
Lancashire And Furness	1:10,560	1932	7
Lancashire And Furness	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1956	9
Ordnance Survey Plan	1:10,000	1967 - 1968	10
Manchester	1:25,000	1975	11
Ordnance Survey Plan	1:10,000	1977 - 1979	12
Ordnance Survey Plan	1:10,000	1981 - 1988	13
Ordnance Survey Plan	1:10,000	1990 - 1993	14
10K Raster Mapping	1:10,000	1999	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2022	17

Russian Map - Slice A



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
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Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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ROCHDALE, OL12 9ER



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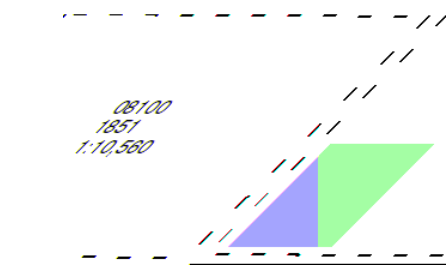
Lancashire And Furness

Published 1851

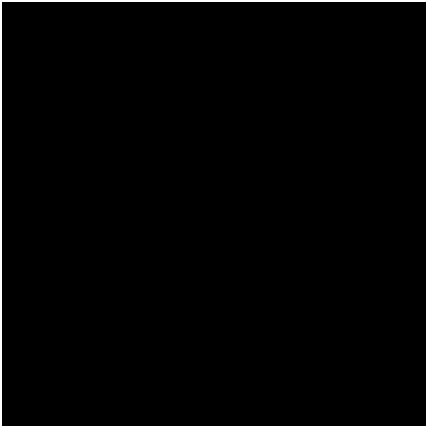
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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Tel: 0844 844 9952
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Yorkshire

Published 1854

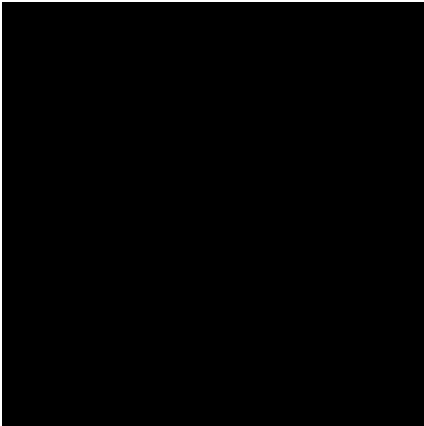
Source map scale - 1:10,560

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

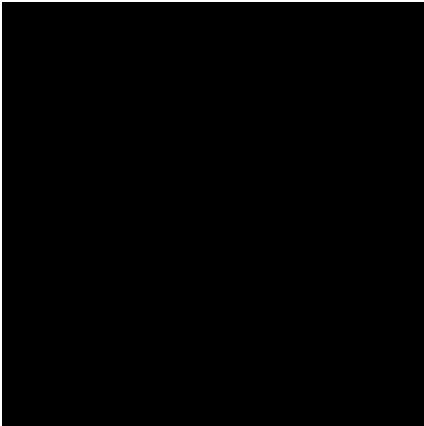
Source map scale - 1:10,560

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.

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Historical Map - Slice A



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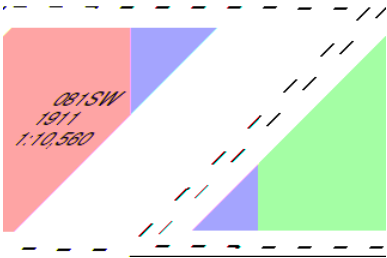
Lancashire And Furness

Published 1911

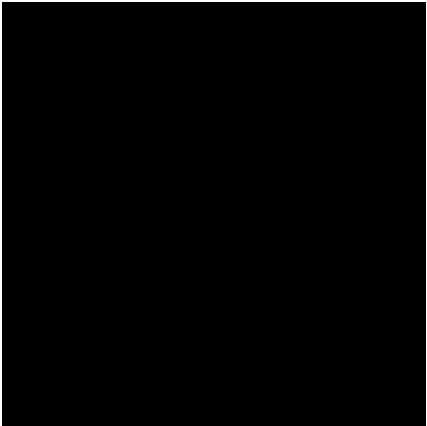
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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Slice: A
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Lancashire And Furness

Published 1932

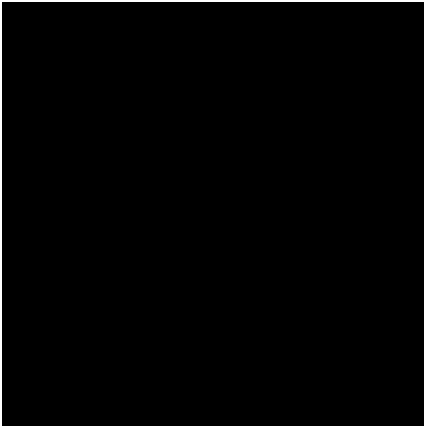
Source map scale - 1:10,560

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

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



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Lancashire And Furness

Published 1938

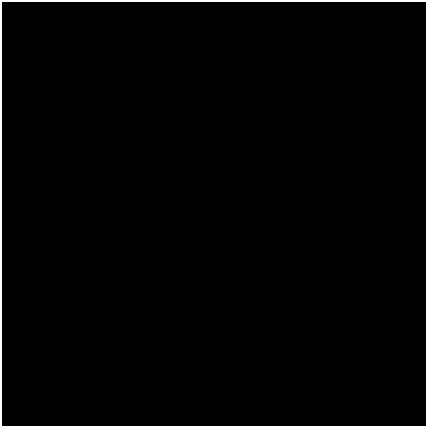
Source map scale - 1:10,560

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.

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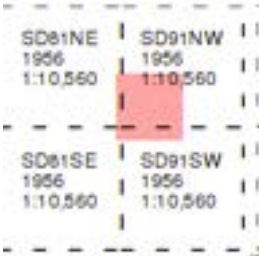
Ordnance Survey Plan

Published 1956

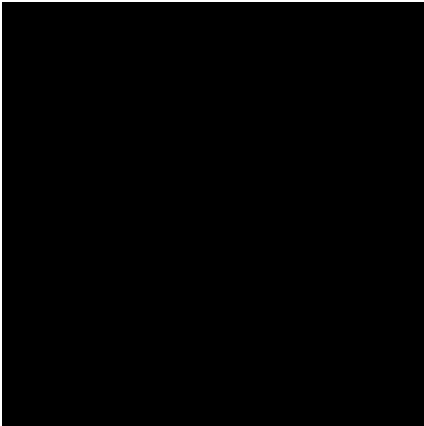
Source map scale - 1:10,000

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.

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Site Details

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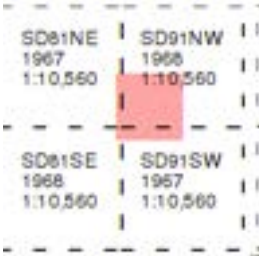
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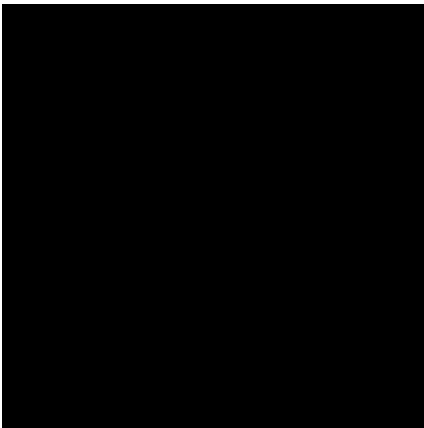
Ordnance Survey Plan
Published 1967 - 1968
Source map scale - 1:10,000

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



Order Details

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National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

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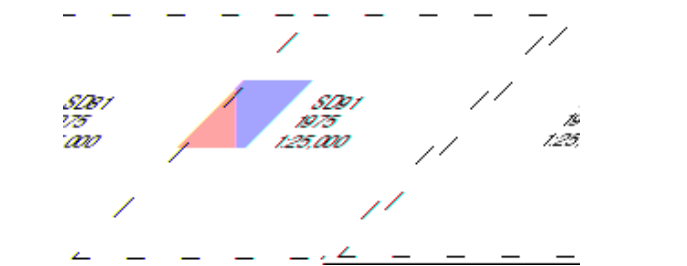
Manchester

Published 1975

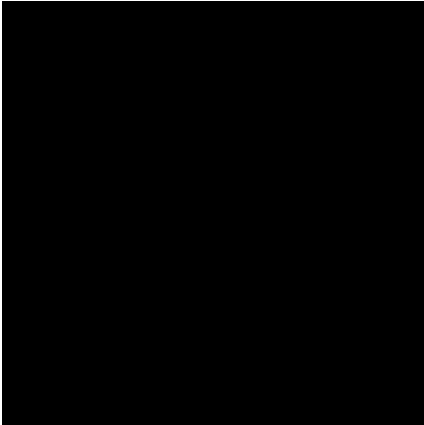
Source map scale - 1:25,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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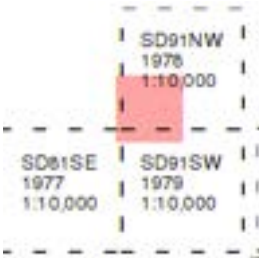
Ordnance Survey Plan

Published 1977 - 1979

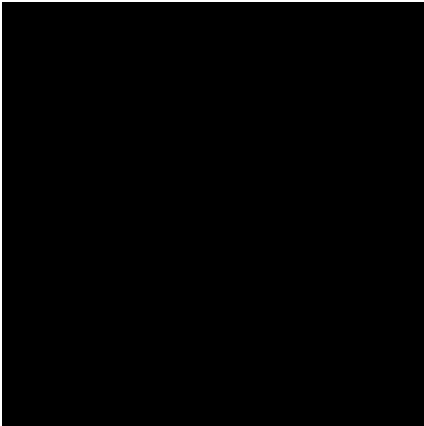
Source map scale - 1:10,000

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Site Details

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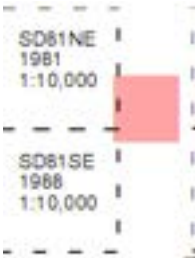
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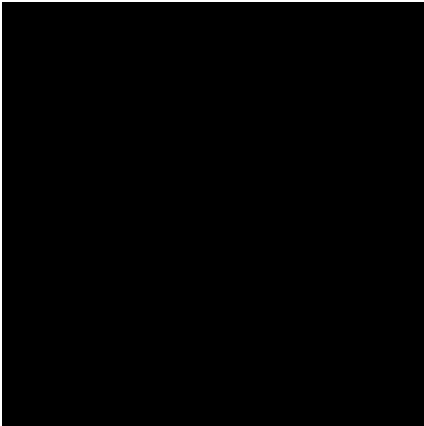
Ordnance Survey Plan
Published 1981 - 1988
Source map scale - 1:10,000

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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Slice: A
Site Area (Ha): 0.01
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Site Details

New Sheep Shed, Half Way House, Wardle Road,
ROCHDALE, OL12 9ER



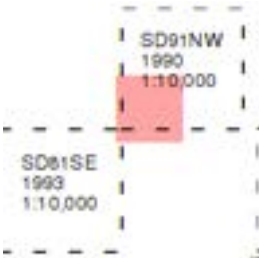
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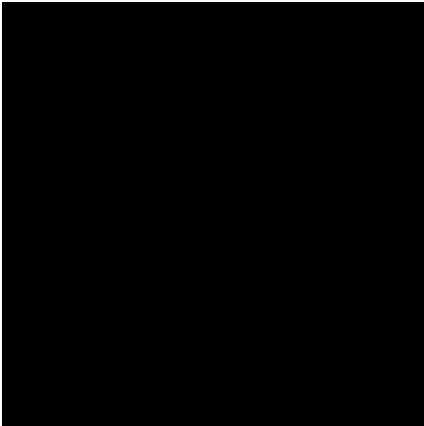
Ordnance Survey Plan
Published 1990 - 1993
Source map scale - 1:10,000

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

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Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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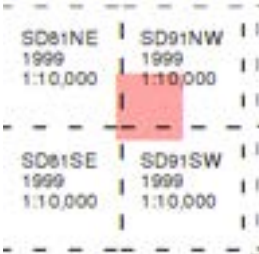
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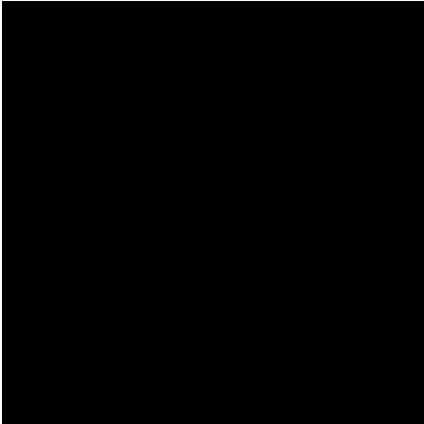
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Slice: A
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

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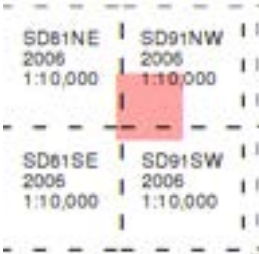
10k Raster Mapping

Published 2006

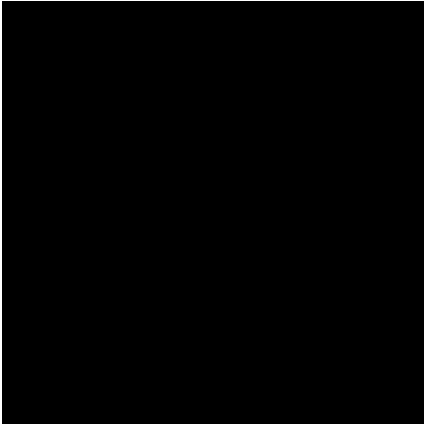
Source map scale - 1:10,000

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

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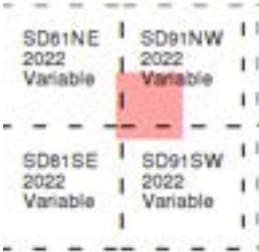
VectorMap Local

Published 2022

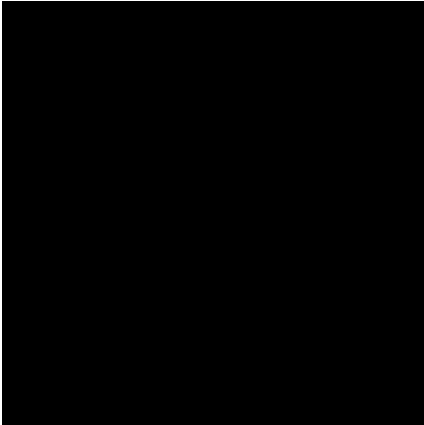
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

307172747_1_1

Customer Reference:

23-053

National Grid Reference:

391140, 415910

Slice:

A

Site Area (Ha):

0.01

Search Buffer (m):

1000

Site Details:

New Sheep Shed
Half Way House
Wardle Road
ROCHDALE
OL12 9ER

Client Details:

Mr J Ditchburn
Arc Environmental Ltd
Unit 1
Elliot Court
St John's Road
Meadowfield
Durham
DH7 8PN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	27
Hazardous Substances	-
Geological	32
Industrial Land Use	47
Sensitive Land Use	60
Data Currency	61
Data Suppliers	67
Useful Contacts	68

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



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 4				10
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 6				4
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 7		Yes		
Pollution Incidents to Controlled Waters	pg 7			1	15
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 9				3
River Quality	pg 10			1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 11				1
Substantiated Pollution Incident Register					
Water Abstractions	pg 11				3 (*20)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 17	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 17	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 17		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 17		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 18		6	8	59



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 27		1	1	
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 27				2
Local Authority Landfill Coverage	pg 27	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 27	1	1	3	16
Potentially Infilled Land (Water)	pg 29		1	4	19
Registered Landfill Sites	pg 30		1		1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 31				1
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 32	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 32	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 43		2		9
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 45	Yes	n/a	n/a	n/a
Mining Instability	pg 45	Yes	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 45	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 45	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 45	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 45	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 47		1	3	62
Fuel Station Entries	pg 52				1
Points of Interest - Commercial Services	pg 52		1	1	16
Points of Interest - Education and Health	pg 54				4
Points of Interest - Manufacturing and Production	pg 54		2		9
Points of Interest - Public Infrastructure	pg 55			3	43
Points of Interest - Recreational and Environmental	pg 59			2	5
Gas Pipelines					
Underground Electrical Cables					



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 60				2
Areas of Adopted Green Belt	pg 60	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					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	0	1	391143 415914
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	54	1	391200 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	81	1	391143 416000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	119	1	391250 415850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	123	1	391200 415800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	151	1	391250 415800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	153	1	391300 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	159	1	391143 415750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	159	1	391150 415750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	164	1	391300 415850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	189	1	391300 415800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	191	1	391250 415750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	203	1	391350 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	203	1	391350 415914
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	209	1	391143 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	209	1	391150 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	213	1	391100 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	217	1	391200 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	228	1	391050 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	229	1	391000 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	235	1	391250 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	237	1	391200 416150



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 (E)	253	1	391400 415914
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	256	1	391400 415950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	259	1	391143 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	259	1	391150 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	259	1	391350 415750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	262	1	391100 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	274	1	391350 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	274	1	391050 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	276	1	391400 415800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	278	1	391300 416150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	287	1	391400 416050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	292	1	391350 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	303	1	391450 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	303	1	391450 415914
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	305	1	391450 415950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	309	1	391143 415600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	311	1	390850 415800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	312	1	391100 415600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	313	1	391400 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	316	1	391450 416000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	322	1	391050 415600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	354	1	390900 415650



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	A14NW (E)	403	1	391550 415914
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	407	1	391000 416300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	419	1	391050 415500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	427	1	390950 416300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	428	1	390800 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	433	1	391100 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	433	1	391000 415500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	439	1	390700 415950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	441	1	391050 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	443	1	390750 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	451	1	390900 416300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	451	1	390950 415500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	454	1	391000 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	458	1	391300 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	469	1	390750 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SW (NW)	472	1	390950 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	477	1	391350 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	481	1	391143 416400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	483	1	391100 416400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	488	1	390700 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	489	1	390650 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	490	1	391050 416400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Waterhouse Close (Wardle) Cso Rear Of 25 Waterhouse Close, Wardle, Rochdale, Greater Manchester, OI12 9ll Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016950075 Permit Version: 1 Effective Date: 7th December 1976 Issued Date: Not Supplied Revocation Date: 31st May 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Ash Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	562	2	391380 416430
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Waterhouse Close (Wardle) Cso Rear Of 25 Waterhouse Close, Wardle, Rochdale, Greater Manchester, OI12 9ll Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016950075 Permit Version: 2 Effective Date: 1st June 2020 Issued Date: 1st June 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Ash Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	563	2	391374 416433
2	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Halifax Road, Tameside, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01roc0171 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A8NE (S)	653	2	391263 415268
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Oakcliffe Road Cso Oakcliffe Rd And Halifax Rd Jnct, Hurstead, Rochdale, Greater Manchester, OI12 9ap Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016993527 Permit Version: 2 Effective Date: 4th December 2019 Issued Date: 4th December 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Culverted Trib Of River Roch Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	660	2	391595 415426

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Oakcliffe Road Cso Oakcliffe Rd And Halifax Rd Jnct, Hurstead, Rochdale, Greater Manchester, O12 9ap Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016993527 Permit Version: 1 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: 3rd December 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	722	2	391590 415340
4	Discharge Consents Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Oakcliffe Road, Wardle, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01roc0040 Permit Version: 3 Effective Date: 31st March 2004 Issued Date: 31st March 2004 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Roch Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	722	2	391590 415340
5	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Clough St Ps, Wardle, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982940 Permit Version: 1 Effective Date: 17th November 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Buckley (Syke) Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18NE (N)	811	2	391160 416730
6	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dyehouse Lane Cso Dye House Lane, Opposite Greengrove Mill, Small Bridge / Rochdale, Greater Manchester, O16 2qn Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982937 Permit Version: 3 Effective Date: 11th December 2019 Issued Date: 11th December 2019 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Ash Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A8SE (S)	852	2	391309 415074



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: United Utilities Water Plc (?) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dyehouse Lane Cso Dye House Lane, Opposite Greengrove Mill, Small Bridge / Rochdale, Greater Manchester, OL16 2qn Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982937 Permit Version: 2 Effective Date: 11th November 2004 Issued Date: 11th November 2004 Revocation Date: 10th December 2019 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Ash Brook Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8SE (S)	866	2	391310 415060
6	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Dyehouse Lane Cso Dye House Lane, Opposite Greengrove Mill, Small Bridge / Rochdale, Greater Manchester, OL16 2qn Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982937 Permit Version: 1 Effective Date: 22nd June 1995 Issued Date: Not Supplied Revocation Date: 10th November 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Ash Brook Status: Revoked: New Consent issued (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 100m	A8SE (S)	866	2	391310 415060
7	Local Authority Pollution Prevention and Controls Name: P Casey (Plant Hire) Ltd Location: Rydings Road, Wardle, ROCHDALE, Greater Manchester, OL12 9PS Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 46/G/10, 46/H/10, 46/I/10, 46/J/10 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/16 Mobile screening and crushing processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A12NE (W)	541	3	390602 415992
8	Local Authority Pollution Prevention and Controls Name: Mount Green Garage Location: Halifax Road, Littleborough, ROCHDALE, Lancashire, OL16 2SN Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	626	3	391478 415379
9	Local Authority Pollution Prevention and Controls Name: Lodge Foundry Location: Lodge Mill, Lodge Street, Wardle, ROCHDALE, Lancashire, OL12 9JR Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 3 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG2/4 Iron, steel and non-ferrous metal foundry processes Status: Authorised Positional Accuracy: Manually positioned to the address or location	A18NE (N)	931	3	391330 416832
10	Local Authority Pollution Prevention and Controls Name: Gem Rochdale Ltd Mount Green Service Station Location: Halifax Road, Rochdale, OL16 2SN Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 107/11 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Application Not Yet Authorised Positional Accuracy: Manually positioned to the address or location	A14SE (E)	993	3	392111 415673



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Nearest Surface Water Feature	A13SE (SE)	88	-	391198 415839
11	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Wardle Brook Incident Date: 4th September 1995 Incident Reference: 95622241 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	346	2	391300 415600
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: Ash Brook Incident Date: 22nd March 1995 Incident Reference: 95620588 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	630	2	391300 415300
13	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Ash Bk; No Pollution Found Incident Date: 31st January 1995 Incident Reference: 95620192 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	634	2	391400 416500
14	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Syke Brook Incident Date: 7th November 1995 Incident Reference: 95622726 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	683	2	391600 415400
15	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: Buckley Brook Incident Date: 17th September 1995 Incident Reference: 95622339 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	710	2	391100 415200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 13th March 1996 Incident Reference: 96620477 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	782	2	391900 415700
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Tributary River Roch; No Pollution Found Incident Date: 18th July 1995 Incident Reference: 95621807 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	825	2	391300 415100
18	Pollution Incidents to Controlled Waters Property Type: Other Location: Crossfield Road , WARDLE Authority: Environment Agency, North West Region Pollutant: Sewage - Wrong Connection Note: Sewage; Ash Brook; Sewage Incident Date: 22nd June 1997 Incident Reference: 97621128 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	853	2	391500 416695
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Found Incident Date: 16th January 1996 Incident Reference: 96620098 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	858	2	391500 416700
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Roch Incident Date: 14th August 1995 Incident Reference: 95622080 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	900	2	391700 415200
20	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Sewerage Systems Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Wardle Brook; Sewage Incident Date: 6th August 1996 Incident Reference: 96621853 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	912	2	391400 416795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Pollution Incidents to Controlled Waters Property Type: Domestic & Residential: Other Location: East Street, WARDLE, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Atmospheric : Particulate / Dust / Deposition Note: Not Supplied Incident Date: 25th March 1999 Incident Reference: 30367 Catchment Area: Roch Receiving Water: River Stretch (Freshwater) Cause of Incident: Drainage Failures : Highway Drainage Run-Off Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A18NE (N)	914	2	391405 416795
21	Pollution Incidents to Controlled Waters Property Type: Construction Location: Dyehouse Lane , ROCHDALE Authority: Environment Agency, North West Region Pollutant: Oils - Gas Oil Note: Gas Oil; Ash Brook; Gas Oil Incident Date: 19th April 1997 Incident Reference: 97620676 Catchment Area: Roch Receiving Water: Freshwater Stream/River Cause of Incident: Vandalism Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	945	2	391401 415001
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Not Given Note: None Pollution Found Incident Date: 12th November 1993 Incident Reference: 93622122 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (S)	969	2	390801 415001
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Not Given Note: No Pollution Found Incident Date: 4th November 1993 Incident Reference: 93622064 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	972	2	392100 416100
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: River Roch; Silt Incident Date: 23rd February 1996 Incident Reference: 96620352 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Natural Causes Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (S)	976	2	391501 415001
25	Registered Radioactive Substances Name: Rochdale Healthcare Nhs Trust Location: Birch Hill Hospital, Union Road, ROCHDALE, Lancashire, OL12 9QB Authority: Environment Agency, North West Region Permit Reference: AL8738 Dated: 23rd May 1994 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Automatically positioned to the address	A14NE (E)	927	2	392071 415979



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Registered Radioactive Substances Name: Rochdale Healthcare Nhs Trust Location: Birch Hill Hospital, Union Road, ROCHDALE, Lancashire, OL12 9QB Authority: Environment Agency, North West Region Permit Reference: AM0309 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA dated pre April 1991 Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Automatically positioned to the address	A14NE (E)	931	2	392076 415974
25	Registered Radioactive Substances Name: Rochdale Health Authority Location: Birch Hill Hospital, ROCHDALE, Lancashire, OL12 9QB Authority: Environment Agency, North West Region Permit Reference: AB9577 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Unknown	A14NE (E)	946	2	392092 415955
	River Quality Name: Ash Bk GQA Grade: River Quality B Reach: Wardle To Roch Estimated Distance (km): 2 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13SE (SE)	261	2	391363 415763
	River Quality Name: Hey Bk GQA Grade: River Quality A Reach: Qsl At Buckley Resvr. To Roch Estimated Distance (km): 3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A12SE (SW)	578	2	390631 415637



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	River Quality Chemistry Sampling Points Name: Ash Brook Reach: Wardle To Roch Estimated Distance: 2.00 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A8SE (S)	835	2	391296 415089
27	Water Abstractions Operator: Cook Street Pallets Ltd Licence Number: 2569002146 Permit Version: 100 Location: Borehole At Premises, Wardle, Rochdale Authority: Environment Agency, North West Region Abstraction: Food And Drink: Water Bottling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 76 Yearly Rate (m3): 25458 Details: Premises At Wardle, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th October 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NE (N)	917	2	391400 416800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Water Abstractions Operator: Wardle Spring Water Co Ltd Licence Number: 2569002146 Permit Version: 102 Location: Borehole At Premises At Wardle, Rochdale Authority: Environment Agency, North West Region Abstraction: Food And Drink: Water Bottling 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 Wardle, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	929	2	391370 416820
27	Water Abstractions Operator: Cook Street Pallets Ltd Licence Number: 2569002146 Permit Version: 101 Location: Borehole At Premises At Wardle, Rochdale Authority: Environment Agency, North West Region Abstraction: Food And Drink: Water Bottling 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 Wardle, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th March 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	929	2	391370 416820
	Water Abstractions Operator: John Sandiford & Sons Limited Licence Number: 2569002145 Permit Version: Not Supplied Location: Wardle Brook At Premises, Wardle, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing & Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 691 Yearly Rate (m3): 186386 Details: Additional Purposes: Boiler feed; Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NE (N)	1014	2	391400 416900
	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569002193 Permit Version: 100 Location: Watergrove, Brown House Wham, Hamer Pasture And Buckley[12 Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Watergrove Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7NW (SW)	1070	2	390200 415400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Park Yarns Rochdale Ltd Licence Number: 2569002012 Permit Version: 100 Location: Reservoir Fed By Buckley Brk At Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Boiler Feed Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 39 Yearly Rate (m3): 3384 Details: Premises, Park Mill, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st May 1981 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NE (SW)	1101	2	390700 414900
	Water Abstractions Operator: Jack Travis Licence Number: 2569002261 Permit Version: 100 Location: Ash Brook At Smallbridge, Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 12 Yearly Rate (m3): 4380 Details: Land At Roche Mill, Smallbridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NE (S)	1139	2	391400 414800
	Water Abstractions Operator: Strong International Ltd Licence Number: 2569002114 Permit Version: 101 Location: Reservoir On Trib Of R Roch At Wardle, Near Rochdale 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: Premises At Wardle Mill, Wardle Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th November 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23SW (N)	1182	2	391100 417100
	Water Abstractions Operator: Strong International Ltd Licence Number: 2569002114 Permit Version: 100 Location: Reservoir On Trib Of R Roch At Wardle, Near Rochdale 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): 909 Yearly Rate (m3): 122742 Details: Premises At Wardle Mill, Wardle Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th October 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1182	2	391100 417100



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: George Eaton Limited Licence Number: 2569002099 Permit Version: Not Supplied Location: Reservoir Fed By Spring At, Howarth Cross Mill, SMALLBRIDGE Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Slaughtering Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 1 Yearly Rate (m3): 236 Details: Additional Purpose: Slaughtering; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NE (S)	1211	2	391200 414700
	Water Abstractions Operator: Joseph Travis Limited Licence Number: 2569002041 Permit Version: Not Supplied Location: Hey Brook, Red Lane, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 105 Yearly Rate (m3): 11592 Details: Additional Purpose: Boiler feed; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NE (SW)	1234	2	390600 414800
	Water Abstractions Operator: Mr W Mitchell Licence Number: 2569002132 Permit Version: 100 Location: Springs (2) At Bent Head Farm, Wardle Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 332 Details: Bent Head Farm,+Hurstead Nook Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (N)	1356	2	390700 417200
	Water Abstractions Operator: Joseph Travis Ltd. Licence Number: 2569002041 Permit Version: Not Supplied Location: Hey Brook, Red Lane, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) & Boiler Feed Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 105 Yearly Rate (m3): 11592 Details: Additional Purpose: Boiler feed; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2NE (S)	1416	2	390600 414600



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569002193 Permit Version: 100 Location: Watergrove, Brown House Wham, Hamer Pasture And Buckley Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Watergrove Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1564	2	389600 416200
	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569002193 Permit Version: 100 Location: Watergrove, Brown House Wham, Hamer Pasture And Buckley Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Watergrove Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16SW (W)	1585	2	389600 416300
	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569002193 Permit Version: 100 Location: Watergrove, Brown House Wham, Hamer Pasture And Buckley Wood Authority: Environment Agency, North West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 5909800 Details: Watergrove Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NE (N)	1739	2	390700 417600
	Water Abstractions Operator: John Bright And Brothers Ltd. Licence Number: 2569002013 Permit Version: Not Supplied Location: Foxholes Brook, Fieldhouse Mills, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 336 Yearly Rate (m3): 57853 Details: Additional Purpose: Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NE (SW)	1740	2	389800 414800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Riverside Trading Ltd Licence Number: 2569002268 Permit Version: 100 Location: Foxholes Brook At Fieldhouse Industrial Estate, Rochdale Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 168 Yearly Rate (m3): 37800 Details: Land At Fieldhouse Industrial Estate, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th November 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NW (SW)	1818	2	389700 414800
	Water Abstractions Operator: Boro Candlewick Textiles Ltd. Licence Number: 2569002034 Permit Version: Not Supplied Location: Albion Mill, LITTLEBOROUGH Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 68 Yearly Rate (m3): 17275 Details: Additional Purpose - Boiler Feed. Featherstall Brook Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1863	2	393000 416100
	Water Abstractions Operator: J & L Rowley Licence Number: 2569002155 Permit Version: 100 Location: Well At Moorside Farm, Wardle, Rochdale, Lancashire Authority: Environment Agency, North West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 332 Details: Moorside Farm, Wardle, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1881	2	389600 417000
	Water Abstractions Operator: David Christopher Harry & Janet Rose Harry Licence Number: 2569002259 Permit Version: 101 Location: Spring Fed Tank On Adjacent Land Known As Stid Fold Farm, Authority: Environment Agency, North West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Stid Farm, Wardle Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st July 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21NE (NW)	1893	2	390100 417500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: C Murphy & J Holt Licence Number: 2569002259 Permit Version: 100 Location: Spring Fed Tank On Adjacent Land Known As Stid Fold Farm, Authority: Environment Agency, North West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1 Yearly Rate (m3): 365 Details: Land & Premises At Stid Farm, Wardle Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd November 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21NE (NW)	1893	2	390100 417500
	Water Abstractions Operator: Falcon Trunking Systems Ltd Licence Number: 2569002262 Permit Version: Not Supplied Location: Featherstall Brook At , LITTLEBOROUGH, Lancashire Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 48 Yearly Rate (m3): 10000 Details: Featherstall Brook Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1955	2	393100 416000
	Groundwater Vulnerability Map Combined Secondary Superficial Aquifer - Low Vulnerability Classification: Low Combined Low Vulnerability: Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial >90% Patchiness: Superficial >10m Thickness: Superficial Low Recharge:	A13NE (NE)	0	4	391143 415914
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NE (NE)	0	4	391143 415914
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NE (NE)	0	4	391143 415914
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	214	2	391320 415785
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	215	2	391310 415770
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	88	5	391198 415839
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.2 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A13SE (SE)	203	5	391323 415809
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A13SE (SE)	203	5	391323 415809
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (W)	225	5	390925 415845
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A13SE (SE)	241	5	391312 415735
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 428.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A13SE (SE)	244	5	391308 415727
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A13SE (E)	267	5	391409 415860
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A13SE (E)	286	5	391429 415865
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 330.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A13SE (E)	314	5	391461 415886



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (E)	314	5	391461 415886
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 31.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13NE (NE)	343	5	391409 416139
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 502.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A13NE (NE)	351	5	391432 416120
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	445	5	390709 415801
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowl Syke Brook Catchment Name: Mersey Primacy: 1	A18SW (NW)	482	5	390907 416341
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1171.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowl Syke Brook Catchment Name: Mersey Primacy: 1	A18SW (N)	502	5	390987 416395
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 486.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clough House Brook Catchment Name: Mersey Primacy: 1	A18SW (NW)	507	5	390914 416371
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	510	5	390757 415573
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wardle Brook Catchment Name: Mersey Primacy: 1	A18SE (N)	529	5	391345 416409



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 347.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowl Syke Brook Catchment Name: Mersey Primacy: 1	A18SW (NW)	541	5	390824 416358
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A8NE (S)	542	5	391192 415370
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 141.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	563	5	390575 415919
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 726.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12SE (SW)	575	5	390659 415596
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	576	5	390712 415525
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.6 Watercourse Level: Underground Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	579	5	390567 416015
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 343.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fanny Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	594	5	390545 415939
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12SE (W)	598	5	390540 415912
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A8NE (S)	606	5	391251 415314



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	609	5	390542 415794
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12SE (W)	609	5	390542 415794
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: Underground Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12SE (W)	614	5	390535 415803
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 62.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12SE (W)	616	5	390532 415808
59	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 21.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowl Syke Brook Catchment Name: Mersey Primacy: 2	A12NE (NW)	621	5	390575 416180
60	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 23.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Knowl Syke Brook Catchment Name: Mersey Primacy: 1	A12NE (NW)	621	5	390575 416180
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	622	5	390541 416092
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.8 Watercourse Level: Underground Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	626	5	390541 416105
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 2	A12NE (NW)	626	5	390563 416163



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	628	5	390540 416110
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A12NE (W)	638	5	390537 416132
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SE (W)	647	5	390494 415855
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 233.2 Watercourse Level: Underground Permanent: True Watercourse Name: Wardle Brook Catchment Name: Mersey Primacy: 1	A18SE (NE)	653	5	391440 416502
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 43.1 Watercourse Level: Underground Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A8NE (S)	662	5	391257 415257
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 373.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Ash Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	705	5	391266 415215
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (NW)	716	5	390831 416564
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NE (SW)	719	5	390668 415368
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	725	5	391593 415339



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 596.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Fanny Brook Catchment Name: Mersey Primacy: 1	A12NW (W)	768	5	390410 416159
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	768	5	390410 416159
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 284.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	786	5	391933 415908
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	817	5	390739 415198
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	819	5	390745 415192
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	821	5	390743 415191
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	853	5	391555 415162
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wardle Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	870	5	391459 416731
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.8 Watercourse Level: Underground Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	874	5	390745 415130



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 242.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Buckley Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	894	5	390740 415110
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: Underground Permanent: True Watercourse Name: Wardle Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	897	5	391473 416754
84	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (W)	900	5	390307 415571
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 236.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	902	5	392022 415688
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clough House Brook Catchment Name: Mersey Primacy: 1	A18NW (N)	902	5	390939 416797
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wardle Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	902	5	391475 416758
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 126.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	912	5	390298 415559
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wardle Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	913	5	391475 416771
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	915	5	391068 416831



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 145.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Wardle Brook Catchment Name: Mersey Primacy: 1	A18NE (N)	915	5	391473 416774
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Clough House Brook Catchment Name: Mersey Primacy: 1	A18NW (N)	958	5	390896 416844
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Syke Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	961	5	390396 415301
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 247.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Syke Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	962	5	390390 415307
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	962	5	390390 415307
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 195.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Syke Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	966	5	390429 415256
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Syke Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	979	5	390538 415137
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.0 Watercourse Level: Underground Permanent: True Watercourse Name: Syke Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	980	5	390538 415136
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Syke Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	986	5	390537 415129



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Syke Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	996	5	390256 415451

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	Historical Landfill Sites Licence Holder: K Rutherford Location: Off Wardle Road, Rochdale, Greater Manchester Name: Land Behind Halfway Public House Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15675 First Input Date: 31st December 1985 Last Input Date: 31st December 1986 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9010 BGS Ref: Not Supplied Other Ref: D010, RD/LIC/356/84	A13NE (E)	54	2	391201 415914
102	Historical Landfill Sites Licence Holder: Mr K Aspinall Newhey and Disrict Angling Society Location: Off Rydings Road, Wardle, Rochdale, Greater Manchester Name: Rydings Dam Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD18082 First Input Date: 1st July 1992 Last Input Date: 1st November 1992 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9151 BGS Ref: Not Supplied Other Ref: D115, WML/0713, RD/LIC/713/91	A18SW (NW)	496	2	390903 416354
103	Licensed Waste Management Facilities (Locations) Licence Number: 50478 Location: 121 Buckley Road, Rochdale, Lancashire, OL12 9DL Operator Name: P Casey Enviro Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Mobile Plant Licence Status: Issued Issued: 12th December 2006 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	823	2	390717 415203
104	Licensed Waste Management Facilities (Locations) Licence Number: 404232 Location: Unit 4 Dobwheel Mill, Dyehouse Lane, Rochdale, Lancashire, OL16 2QS Operator Name: Siddique Wasim Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Vehicle depollution facility Licence Status: Modified Issued: 16th May 2018 Last Modified: 12th November 2021 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	965	2	391543 415031
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	3	391143 415914
105	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A13NE (NE)	0	-	391143 415914
106	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A13SW (W)	40	-	391102 415899

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A14SW (E)	369	-	391494 415783
108	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12SE (SW)	448	-	390761 415671
109	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12NE (W)	493	-	390647 415965
110	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A8NE (S)	544	-	391291 415386
111	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12NE (W)	596	-	390543 415955
112	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A17SE (NW)	607	-	390762 416394
113	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12NE (W)	675	-	390481 416071
114	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12NW (W)	695	-	390461 416076
115	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19SW (NE)	698	-	391644 416407
116	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12NW (W)	745	-	390436 416166
117	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12NW (W)	777	-	390413 416197
118	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19SW (NE)	806	-	391717 416486
119	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A8SE (S)	821	-	391226 415093
120	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A8SW (S)	852	-	390847 415110
121	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19SE (NE)	855	-	391818 416445
122	Potentially Infilled Land (Non-Water) Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A7SE (SW)	890	-	390771 415099

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19SW (NE)	894	-	391754 416574
124	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A8SE (S)	952	-	391381 414988
125	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A12NW (W)	961	-	390185 416044
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13SW (SW)	23	-	391129 415889
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A13SW (SW)	332	-	391010 415604
128	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A8NE (S)	354	-	391233 415567
129	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12SE (SW)	434	-	390769 415684
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SW (SE)	480	-	391579 415700
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SW (SE)	532	-	391573 415592
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8NW (SW)	564	-	390860 415419
133	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A18SW (N)	573	-	391085 416489
134	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A9NW (SE)	614	-	391657 415569
135	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SW (E)	639	-	391753 415709
136	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A18SE (N)	655	-	391156 416574
137	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18SE (NE)	689	-	391464 416530
138	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A7NE (SW)	689	-	390688 415390
139	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A18NW (N)	755	-	391103 416673
140	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A8SE (S)	830	-	391385 415115
141	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A8SW (S)	842	-	390826 415128
142	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SE (E)	880	-	392006 415719



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1851	A8SW (S)	885	-	390951 415044
144	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18NE (N)	890	-	391374 416779
145	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A9SW (SE)	926	-	391568 415086
146	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A8SE (S)	927	-	391296 414995
147	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14NE (E)	948	-	392050 416200
148	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SE (E)	954	-	392099 415841
149	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1911	A8SE (S)	960	-	391339 414970
150	Registered Landfill Sites Licence Holder: Wardle Football & Cricket Club Licence Reference: 00356/84 Site Location: Rear Of Halfway Public House, Wardle Road, Rochdale, Lancashire Licence Easting: 391200 Licence Northing: 415950 Operator Location: 594 Halifax Road, Hurstead, ROCHDALE, Lancashire, OL16 2RZ Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 5th February 1985 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste Prohibited Waste	A13NE (NE)	63	2	391200 415950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
151	Registered Landfill Sites Licence Holder: Newhey & District Angling Society Licence Reference: 00713/91 Site Location: Ryding Dam, Wardle, Rochdale, Lancashire Licence Easting: 390700 Licence Northing: 416320 Operator Location: 2 Kiln Lane, Milnrow, Rochdale, Lancashire Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Uncontaminated Soil Prohibited Waste: Asbestos Liquid/Sludge Wastes Malodorous Wastes Pretreated Wastes Not Permit.By Lic. Skip Waste Special Wastes Waste In Drums Waste N.O.S.	A17SE (NW)	595	2	390700 416320
152	Registered Waste Treatment or Disposal Sites Licence Holder: Rochdale Health Care Nhs Trust Licence Reference: 00566 Site Location: Birch Hill Hospital Incinerator, ROCHDALE, Lancashire, OL12 9QB Operator Location: Estates Dept, Birch Hill Hosp, Rochdale, Lancashire Authority: Environment Agency - North West Region, South Area Site Category: Incineration - with transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st June 1992 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Clinical - As In Coll/Disp.Regis Of '88 Commercial Waste Ex Rochdale Health Au Laboratory Chemicals Max.Waste Permitted By Licence-Stated Pharmaceutical Waste Prohibited Waste: Explosive Waste Malodorous Waste Pressurised Waste Pretreated Waste Not Permit.By Lic. Radioactive Wastes Violently Reactive Wastes Waste In Drums Waste N.O.S.	A14NE (E)	996	2	392100 416200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13NE (NE)	0	1	391143 415914
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	0	1	391143 415914
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13SW (S)	36	1	391134 415874
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (N)	81	1	391143 416000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (W)	138	1	391000 415914
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13SW (W)	147	1	391000 415865
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13NW (NW)	161	1	391000 416000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NE (N)	328	1	391147 416247
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NE (N)	329	1	391178 416247
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	353	1	391500 415914
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	364	1	391500 416000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NW (NW)	368	1	390879 416178
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	373	1	391217 415544

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SW (SE)	382	1	391500 415763
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NW (NW)	385	1	390891 416212
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (NW)	397	1	390978 416280
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NW (NW)	404	1	390829 416176
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (W)	470	1	390676 416000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NW)	499	1	390721 416192

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (W)	522	1	390623 416000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	526	1	390618 416000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	530	1	390608 415924
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (W)	534	1	390605 415942
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	548	1	390775 415500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SE (SW)	551	1	390686 415597

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	554	1	391000 416453
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	581	1	391143 416500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (N)	584	1	391083 416500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NE (SW)	596	1	390707 415500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	603	1	390565 415729
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	604	1	390749 416379

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A12SE (W)	606	1	390557 415748
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SE (W)	631	1	390550 415686
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NE (W)	633	1	390505 415914
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SE (W)	634	1	390505 415884
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18SE (NE)	658	1	391417 416518
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A17SE (NW)	667	1	390625 416344

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	680	1	390598 415500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	681	1	391500 416500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	685	1	390458 416000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	686	1	390599 415488
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	687	1	390529 415596
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (W)	701	1	390465 415725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NE (SW)	725	1	390625 415400
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	727	1	390651 415371
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	737	1	390414 416055
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	761	1	391766 416358
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	784	1	390369 416072
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	803	1	391699 416500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SW (NE)	818	1	391774 416442
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18NE (NE)	836	1	391476 416687
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A19NW (NE)	838	1	391500 416678
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19SW (NE)	842	1	391754 416500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A14SE (E)	845	1	391987 415817
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A14SE (E)	853	1	392000 415900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SE (S)	863	1	391432 415096
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NW (W)	866	1	390312 416177
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A12NW (W)	870	1	390272 416000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A12NW (W)	894	1	390250 416021
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	896	1	392000 415637
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8SE (S)	909	1	391143 415000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8SW (S)	920	1	391000 415000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9SW (S)	926	1	391500 415055
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NW (W)	929	1	390214 416013
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NE (E)	933	1	392077 415985
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12NW (W)	937	1	390203 415973
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NW (N)	941	1	391500 416791

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A18NW (N)	949	1	391000 416857
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: <15 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SW (W)	951	1	390187 415907
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 15 - 25 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A7SE (SW)	992	1	390742 415000
153	BGS Recorded Mineral Sites Site Name: Birchen Head Brick Field Location: Buckley, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96210 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13NW (N)	47	1	391138 415966
154	BGS Recorded Mineral Sites Site Name: Birchen Head Brick Field Location: Buckley, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96211 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A13SW (W)	118	1	391021 415906
155	BGS Recorded Mineral Sites Site Name: Green Gate Brick Works Location: Green Gate, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96258 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	A14SW (SE)	511	1	391573 415629

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	BGS Recorded Mineral Sites Site Name: Buckley Location: Buckley, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96212 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Helpet Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NE (W)	531	1	390607 415930
157	BGS Recorded Mineral Sites Site Name: Green Gate Clay Pit Location: Green Gate, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96257 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	A8NE (S)	537	1	391285 415392
158	BGS Recorded Mineral Sites Site Name: Ring Lows Quarry Location: Buckley, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96213 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Helpet Edge Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12SW (W)	681	1	390458 415893
159	BGS Recorded Mineral Sites Site Name: Birchen Head Location: Healey, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96250 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	683	1	390462 416011
160	BGS Recorded Mineral Sites Site Name: Bench Carr Location: Wardle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96266 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	782	1	391662 416506
161	BGS Recorded Mineral Sites Site Name: Bench Carr Location: Wardle, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96247 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	845	1	391813 416436

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	BGS Recorded Mineral Sites Site Name: Howarth Cross Brick Works Location: Buckley, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96255 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	A8SW (S)	946	1	390852 415008
163	BGS Recorded Mineral Sites Site Name: Ring Lows Location: Healey, Rochdale, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96248 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Lower Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	970	1	390178 416052
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	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 (NE)	0	6	391143 415914
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (NE)	0	-	391143 415914
	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 (NE)	0	1	391143 415914
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	391143 415914
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	391143 415914
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	391143 415914
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	160	1	391275 415814
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	391143 415914
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	1	391143 415914
	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 (NE)	0	1	391143 415914



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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 (NE)	0	1	391143 415914



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
164	Contemporary Trade Directory Entries Name: R T T Location: Ashbrook Hey Works, Ashbrook Hey Lane, Rochdale, Lancashire, OL12 9AH Classification: Agricultural Machinery - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	226	-	391314 415758
165	Contemporary Trade Directory Entries Name: Ranger Motor Homes Location: Ashbrook Hey, Rochdale, Lancashire, OL12 9AH Classification: Caravan Dealers & Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	266	-	391396 415817
166	Contemporary Trade Directory Entries Name: Aromatic Variety Candles Location: 2, Birch Hey Close, Rochdale, Lancashire, OL12 9UN Classification: Candle Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	350	-	391466 415766
167	Contemporary Trade Directory Entries Name: Prestige Carpet Cleaning Location: 39, Ralph Sherwin Court, Rochdale, Lancashire, OL12 9AU Classification: Carpet & Fabric Proofing Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	486	-	391595 415723
168	Contemporary Trade Directory Entries Name: Casey Group Of Companies Location: Rydings Road, Rochdale, Lancashire, OL12 9PS Classification: Medical Waste Disposal Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	541	-	390602 415992
169	Contemporary Trade Directory Entries Name: Thimble Cleaning Services Location: 57, Thimble Close, Rochdale, Lancashire, OL12 9QP Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	587	-	391690 415688
170	Contemporary Trade Directory Entries Name: Immaculate Ovens Location: 72, Louise Gardens, ROCHDALE, Lancashire, OL12 9RZ Classification: Oven cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (S)	615	-	391113 415294
171	Contemporary Trade Directory Entries Name: C G (Manchester) Ltd Location: 9, Ramsden Road, Wardle, Rochdale, Lancashire, OL12 9LB Classification: Gas Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	619	-	391201 416535
171	Contemporary Trade Directory Entries Name: C G Manchester Location: 9, Ramsden Road, Wardle, Rochdale, Lancashire, OL12 9LB Classification: Gas - Industrial & Medical Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	619	-	391201 416535
172	Contemporary Trade Directory Entries Name: Madcap Designs Location: 1, Bridge Street, Rochdale, Lancashire, OL12 9AA Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	643	-	391261 415277
173	Contemporary Trade Directory Entries Name: Elite Kleen Location: 98, BIRCH ROAD, WARDLE, ROCHDALE, OL12 9QN Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	649	-	391780 416053
174	Contemporary Trade Directory Entries Name: Birch Hill Hospital Location: Birch Hill Hospital, Birch Road, Rochdale, Lancashire, OL12 9QB Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	706	-	391745 416291



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
175	Contemporary Trade Directory Entries Name: Self Clean Location: 8, Stevenson Square, Rochdale, Lancashire, OL12 9SA Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	742	-	391098 415168
176	Contemporary Trade Directory Entries Name: Smallbridge Joinery Location: 9, Dyehouse Lane, Rochdale, Lancashire, OL16 2QN Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	763	-	391282 415159
176	Contemporary Trade Directory Entries Name: Perfect Paint Motor Bodies Location: Dyehouse La, Rochdale, Lancashire, OL16 2QN Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	799	-	391280 415122
177	Contemporary Trade Directory Entries Name: International Engineering Services Location: 76, Ramsden Road, Wardle, Rochdale, Lancashire, OL12 9LQ Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	787	-	391326 416685
178	Contemporary Trade Directory Entries Name: Rebel Gadgets Location: 667, Halifax Road, Rochdale, OL12 9QZ Classification: Computer Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (SE)	802	-	391888 415603
179	Contemporary Trade Directory Entries Name: Rotational Mouldings Green Grove Mill Location: Green Grove Mill, Dyehouse Lane, Rochdale, OL16 2QN Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	802	-	391361 415138
179	Contemporary Trade Directory Entries Name: Haywood Rotomoulding Ltd Location: Green Grove Mill, Dyehouse La, Rochdale, Lancashire, OL16 2QN Classification: Mould Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SE (S)	802	-	391361 415138
179	Contemporary Trade Directory Entries Name: Haywood Rotomoulding Ltd Location: Green Grove Mill, Dyehouse La, Rochdale, Lancashire, OL16 2QN Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8SE (S)	802	-	391361 415138
180	Contemporary Trade Directory Entries Name: Calderbrook Woodworking Machinery Ltd Location: 6, Tarnside Close, Rochdale, Lancashire, OL16 2QD Classification: Woodworking Machinery Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (SE)	804	-	391475 415177
181	Contemporary Trade Directory Entries Name: Sheet Metal & Welding Services Location: Buckley Mill, Buckley Road, Rochdale, Lancashire, OL12 9DL Classification: Sheet Metal Work Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	811	-	390753 415197
181	Contemporary Trade Directory Entries Name: Nu Look Motor Bodies Location: Buckley Road, Rochdale, OL12 9DL Classification: Sheet Metal Work Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	811	-	390753 415197
181	Contemporary Trade Directory Entries Name: Buckley Mill Garage Location: Buckley Road, Rochdale, Lancashire, OL12 9DN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	843	-	390710 415184



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
181	Contemporary Trade Directory Entries Name: R N Autos Location: Buckley Road, Rochdale, Lancashire, OL12 9DN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	843	-	390710 415184
181	Contemporary Trade Directory Entries Name: Buckley Brook Custom Engineering Ltd Location: Buckley Road, Rochdale, Lancashire, OL12 9DN Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	843	-	390710 415184
182	Contemporary Trade Directory Entries Name: Pallet Manufacture Repairs Location: East St, Wardle, Rochdale, Lancashire, OL12 9JZ Classification: Pallets, Crates & Packing Cases Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	824	-	391384 416708
183	Contemporary Trade Directory Entries Name: W Pickersgill & Sons Location: Stott St, Hurstead, Rochdale, Lancashire, OL16 2SB Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	831	-	391866 415494
184	Contemporary Trade Directory Entries Name: Jsk Speciality Glass Fibres Ltd Location: 1, Spring Mill Walk, Rochdale, Lancashire, OL16 2PF Classification: Glass Fibre Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	850	-	391166 415060
185	Contemporary Trade Directory Entries Name: Budget Tyre & Exhaust Centre Location: Dyehouse Lane, Rochdale, Lancashire, OL16 2QN Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	854	-	391323 415075
185	Contemporary Trade Directory Entries Name: Bury Pallet Services Ltd Location: Unit 1 Dyehouse Lane, Rochdale, OL16 2QN Classification: Recycling Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A8SE (S)	876	-	391344 415057
186	Contemporary Trade Directory Entries Name: Bioflow Location: Unit 4, Buckley Rd, Rochdale, Lancashire, OL12 9DN Classification: Fuel Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	904	-	390720 415109
187	Contemporary Trade Directory Entries Name: Penthouse Carpets Location: Buckley Carpet Mill, Buckley Road, Rochdale, Lancashire, OL12 9DU Classification: Carpets & Rugs - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	906	-	390786 415076
187	Contemporary Trade Directory Entries Name: The British Millerain Company Ltd Location: Unit 1, Buckley Brook, Buckley Road, Rochdale, OL12 9DJ Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	933	-	390776 415050
188	Contemporary Trade Directory Entries Name: Inspired Fires Location: 634, Halifax Road, Rochdale, Lancashire, OL16 2SQ Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	915	-	392019 415633
188	Contemporary Trade Directory Entries Name: N H Fabrications Location: Old Road, Rochdale, Lancashire, OL16 2SJ Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	949	-	392049 415616

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
189	Contemporary Trade Directory Entries Name: Birch Hill Hospital Location: Birch Hill Hospital, Union Road, Rochdale, Lancashire, OL12 9QB Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	927	-	392071 415979
190	Contemporary Trade Directory Entries Name: James Law Chemicals Ltd Location: Royal Street, Rochdale, OL16 2QA Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	934	-	391092 414976
191	Contemporary Trade Directory Entries Name: Lodge Foundry (Wardle) Ltd Location: Lodge Mill, Lodge Street, Wardle, Rochdale, Lancashire, OL12 9JR Classification: Foundries Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	936	-	391340 416834
191	Contemporary Trade Directory Entries Name: Trusprings Ltd Location: Lodge Mill, Lodge Street, Wardle, Rochdale, Lancashire, OL12 9JR Classification: Spring Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	936	-	391340 416834
191	Contemporary Trade Directory Entries Name: Wardle Spring Water Location: Crossfield House, Crossfield Road, Wardle, Rochdale, Lancashire, OL12 9JW Classification: Water Coolers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	968	-	391384 416857
192	Contemporary Trade Directory Entries Name: Dyehouse Lane Garage Location: Dyehouse Lane, Rochdale, Lancashire, OL16 2QN Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A8SE (S)	937	-	391394 415007
192	Contemporary Trade Directory Entries Name: Haywood Rotomouldings Ltd Location: Green Grove Industrial Park, Dyehouse Lane, Rochdale, Lancashire, OL16 2QN Classification: Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	937	-	391394 415007
193	Contemporary Trade Directory Entries Name: Greenwood Magnetics Location: UNIT 1, BUCKLEY ROAD INDUSTRIAL ESTATE, ROCHDALE, OL12 9EF Classification: Pharmaceutical Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	938	-	390711 415075
193	Contemporary Trade Directory Entries Name: Hillside Printing Services Location: Unit 1-3, Buckley Road Industrial Estate, Rochdale, Lancashire, OL12 9EF Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	947	-	390702 415070
193	Contemporary Trade Directory Entries Name: Hirschmann (Uk) Ltd Location: Unit 3A, Buckley Road Industrial Estate, Rochdale, Lancashire, OL12 9EF Classification: Machine Tool Accessories & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	958	-	390693 415062
193	Contemporary Trade Directory Entries Name: Sound Solutions Location: Unit 3A, Buckley Road Industrial Estate, Rochdale, Lancashire, OL12 9EF Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	958	-	390693 415062



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
193	Contemporary Trade Directory Entries Name: Expert Electrical Supplies Ltd Location: Unit 3c, Buckley Road Ind Est, Buckley Road, Rochdale, Lancashire, OL12 9EF Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	959	-	390693 415061
193	Contemporary Trade Directory Entries Name: Global Switchgear Services Ltd Location: Unit 4d, Buckley Road Industrial Estate, Rochdale, Lancashire, OL12 9EF Classification: Electronic Component Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	967	-	390686 415055
193	Contemporary Trade Directory Entries Name: Angel Chilled Foods Location: Unit 4C, Buckley Road Industrial Estate, Rochdale, Lancashire, OL12 9EF Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	967	-	390686 415055
193	Contemporary Trade Directory Entries Name: Stephen Heywood Auto Engineers Ltd Location: Unit 5, Buckley Road Industrial Estate, Rochdale, Lancashire, OL12 9EF Classification: Garage Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	977	-	390678 415048
193	Contemporary Trade Directory Entries Name: Nyland Location: Unit 5, Buckley Road Industrial Estate, ROCHDALE, Lancashire, OL12 9EF Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	977	-	390678 415048
193	Contemporary Trade Directory Entries Name: Global Switchgear Services Location: Unit 4d, Buckley Rd Ind Est, Rochdale, Lancashire, OL12 9EF Classification: Electrical Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	977	-	390678 415048
193	Contemporary Trade Directory Entries Name: Vega Holsters Location: Unit 2, Buckley Road Industrial Estate, Rochdale, Lancashire, OL12 9EF Classification: Leather Products - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A7SE (SW)	983	-	390699 415031
193	Contemporary Trade Directory Entries Name: Pentigon Glass Tech (Manchester) Location: Unit 3B, Buckley Rd Ind Est, Rochdale, Lancashire, OL12 9EF Classification: Window Tinting Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A7SE (SW)	994	-	390688 415024
194	Contemporary Trade Directory Entries Name: All Points Fire & Safety Location: 2, Alpine Drive, Wardle, Rochdale, Lancashire, OL12 9NZ Classification: Firefighting Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	939	-	391209 416856
195	Contemporary Trade Directory Entries Name: J D Components Location: 15, Dovedale Drive, Wardle, Rochdale, Lancashire, OL12 9LR Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	942	-	391524 416782
196	Contemporary Trade Directory Entries Name: Just Fords Location: Unit 4, Dobwheel Mill, Dyehouse Lane, Rochdale, Lancashire, OL16 2AD Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	962	-	391530 415029
196	Contemporary Trade Directory Entries Name: Northwest Joinery Location: Unit 1, Dobwheel Mill, Dyehouse Lane, Rochdale, Lancashire, OL16 2AD Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	962	-	391530 415029



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
196	Contemporary Trade Directory Entries Name: Allfords Rochdale Ford Breakers Parts Location: Unit 6 Dobwheel Mill, Dyehouse Lane, Rochdale, Lancashire, OL16 2QN Classification: Car Breakers & Dismantlers Status: Active Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	969	-	391553 415031
196	Contemporary Trade Directory Entries Name: Penbrook Plastics Location: Dob Wheel Mill, Dyehouse Lane, Rochdale, OL16 2QS Classification: Recycling Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	969	-	391553 415031
197	Contemporary Trade Directory Entries Name: David Wetton Location: 17, Union Road, Rochdale, Lancashire, OL12 9QA Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	978	-	392123 415849
197	Contemporary Trade Directory Entries Name: Wetton D Service Engineer Location: 17, UNION ROAD, WARDLE, ROCHDALE, OL12 9QA Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	978	-	392123 415849
197	Contemporary Trade Directory Entries Name: David Wetton Location: 17, Union Road, Rochdale, Lancashire, OL12 9QA Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	978	-	392123 415849
198	Contemporary Trade Directory Entries Name: Site Tank Ltd Location: Birch Hill La, Wardle, Rochdale, Lancashire, OL12 9LY Classification: Tanks, Vats & Cisterns Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19NW (NE)	982	-	391735 416704
199	Contemporary Trade Directory Entries Name: Cooke Petroleum Ltd Location: Mount Green Garage, Halifax Road, Rochdale, Lancashire, OL16 2SN Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	997	-	392113 415660
200	Fuel Station Entries Name: Gem Rochdale Location: Halifax Road , Wardle , Rochdale, Greater Manchester, OL16 2SQ Brand: Texaco Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A14SE (E)	987	-	392105 415673
201	Points of Interest - Commercial Services Name: Ansari Motors Location: 1 James Street, Great Howarth, Rochdale, OL12 9HU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SW (SW)	31	7	391114 415893
202	Points of Interest - Commercial Services Name: M R D Horse Transport Location: 176 Wardle Road, Rochdale, OL12 9JB Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SW (N)	362	7	391124 416281
203	Points of Interest - Commercial Services Name: Stephen Heywood Location: Green Grove Mill, Dyehouse Lane, Rochdale, OL16 2QN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	802	7	391361 415138
203	Points of Interest - Commercial Services Name: S Heywood Location: Green Grove Mill, Dyehouse Lane, Rochdale, OL16 2QN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	802	7	391361 415138



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
203	Points of Interest - Commercial Services Name: Perfect Paint Motor Bodys Location: Unit C Green Grove Mill, Dye House Lane, Rochdale, Lancashire, OL16 2QN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	802	7	391361 415138
204	Points of Interest - Commercial Services Name: Nu Look Motor Bodies Location: Buckley Road, Rochdale, OL12 9DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	803	7	390750 415207
204	Points of Interest - Commercial Services Name: Nu Look Motor Bodies Location: Buckley Mill, Buckley Road, Rochdale, OL12 9DL Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7SE (SW)	811	7	390753 415197
204	Points of Interest - Commercial Services Name: Sheet Metal & Welding Services Location: Buckley Mill, Buckley Road, Rochdale, OL12 9DL Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A7SE (SW)	811	7	390753 415197
204	Points of Interest - Commercial Services Name: Nu Look Motor Bodies Location: Buckley Road, Rochdale, OL12 9DN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	843	7	390710 415184
204	Points of Interest - Commercial Services Name: R N Autos Location: Buckley Road, Rochdale, OL12 9DN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	843	7	390710 415184
204	Points of Interest - Commercial Services Name: R N Autos Location: Buckley Road, Rochdale, OL12 9DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	843	7	390710 415184
205	Points of Interest - Commercial Services Name: Aspect Valeting Manchester Ltd Location: 9 Carrington Close, Rochdale, OL16 2QE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A9SW (SE)	843	7	391586 415191
206	Points of Interest - Commercial Services Name: North West Car Parts Location: Buckley Brook Mill, Buckley Road, Rochdale, OL12 9DN Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A7SE (SW)	933	7	390776 415050
207	Points of Interest - Commercial Services Name: J D Components Location: 15 Dovedale Drive, Wardle, Rochdale, OL12 9LR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	942	7	391524 416782
207	Points of Interest - Commercial Services Name: J D Components Location: 15 Dovedale Drive, Wardle, Rochdale, OL12 9LR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19NW (NE)	942	7	391524 416782
208	Points of Interest - Commercial Services Name: Allfords Rochdale Ford Breakers Parts Location: Unit 6 Dobwheel Mill, Dyehouse Lane, Rochdale, OL16 2QN Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A9SW (SE)	969	7	391553 415031



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
209	Points of Interest - Commercial Services Name: Nyland Location: Unit 5, Buckley Road Industrial Estate, Rochdale, OL12 9EF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	977	7	390678 415048
209	Points of Interest - Commercial Services Name: Nyland Car Body Repairs Location: Unit 5, Buckley Road Industrial Estate, Rochdale, OL12 9EF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7SE (SW)	977	7	390678 415048
210	Points of Interest - Education and Health Name: Birch Hill Hospital Location: Birch Hill Hospital, Birch Road, Rochdale, OL12 9QB Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A19SW (NE)	706	7	391745 416291
210	Points of Interest - Education and Health Name: Birch Hill Hospital Location: Birch Hill Hospital, Birch Road, Rochdale, OL12 9QB Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A19SW (NE)	706	7	391745 416291
210	Points of Interest - Education and Health Name: Birch Hill Hospital Location: Birch Hill Hospital, Birch Road, Wardle, Rochdale, OL12 9QB Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A19SW (NE)	715	7	391750 416300
211	Points of Interest - Education and Health Name: Birch Hill Hospital Location: Birch Hill Hospital, Birch Road, Rochdale, OL12 9QB Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A14NE (E)	927	7	392071 415979
212	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	225	7	391320 415767
212	Points of Interest - Manufacturing and Production Name: Works Location: OL12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	225	7	391320 415767
213	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	808	7	390749 415202
213	Points of Interest - Manufacturing and Production Name: Works Location: OL12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	808	7	390749 415202
214	Points of Interest - Manufacturing and Production Name: Tanks Location: OL12 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	847	7	391990 415996
215	Points of Interest - Manufacturing and Production Name: Works Location: OL12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A7SE (SW)	905	7	390686 415126



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
215	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	912	7	390681 415121
216	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	921	7	390781 415061
216	Points of Interest - Manufacturing and Production Name: Works Location: OL12 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	925	7	390774 415060
217	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	930	7	391091 414980
217	Points of Interest - Manufacturing and Production Name: Works Location: OL16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A8SW (S)	930	7	391095 414980
218	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	362	7	391503 415978
218	Points of Interest - Public Infrastructure Name: Ash Brook Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NW (E)	368	7	391508 415980
219	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	489	7	391205 415424
219	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	546	7	391193 415366
219	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	547	7	391193 415365
219	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	638	7	391239 415279
219	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	639	7	391238 415278



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
220	Points of Interest - Public Infrastructure Name: Casey Group of Companies Location: Rydings Road, Rochdale, OL12 9PS Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12NE (W)	541	7	390602 415992
221	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	579	7	390653 415597
221	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	581	7	390650 415597
221	Points of Interest - Public Infrastructure Name: Sluice Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	584	7	390683 415547
221	Points of Interest - Public Infrastructure Name: Sluice Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	586	7	390679 415548
222	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	583	7	390555 415911
222	Points of Interest - Public Infrastructure Name: Sluices Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	612	7	390528 415875
222	Points of Interest - Public Infrastructure Name: Sewage Works (Disused) Location: OL12 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	620	7	390521 415859
223	Points of Interest - Public Infrastructure Name: Rydings Dam Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	612	7	390624 416250
223	Points of Interest - Public Infrastructure Name: Rydings Dam Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	624	7	390607 416244
224	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	628	7	390548 416132
224	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	634	7	390541 416131



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
224	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	634	7	390551 416157
224	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	641	7	390544 416159
225	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	657	7	390656 415465
225	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	660	7	390653 415465
225	Points of Interest - Public Infrastructure Name: Sluice Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	686	7	390659 415421
225	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	701	7	390736 415336
225	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	705	7	390732 415334
225	Points of Interest - Public Infrastructure Name: Sluice Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	707	7	390666 415385
225	Points of Interest - Public Infrastructure Name: Sluice Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	710	7	390661 415385
225	Points of Interest - Public Infrastructure Name: Sluice Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	721	7	390709 415332
226	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	676	7	391165 416595
226	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	676	7	391169 416595



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
227	Points of Interest - Public Infrastructure Name: Weir Location: OL16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	710	7	391272 415211
227	Points of Interest - Public Infrastructure Name: Weir Location: OL16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	710	7	391273 415212
228	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	722	7	390744 415306
229	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	824	7	391163 416743
229	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	825	7	391160 416744
229	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	883	7	391141 416802
229	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	884	7	391137 416803
230	Points of Interest - Public Infrastructure Name: Sluice Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	879	7	390669 415167
231	Points of Interest - Public Infrastructure Name: Sluice Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	983	7	391403 416868
232	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	985	7	391053 416900
232	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A18NW (N)	986	7	391057 416901
233	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	985	7	390733 415012



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	Points of Interest - Public Infrastructure Name: Weir Location: OL12 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A7SE (SW)	987	7	390730 415011
234	Points of Interest - Public Infrastructure Name: Texaco Location: Halifax Road, Rochdale, OL16 2SQ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SE (E)	987	7	392105 415673
234	Points of Interest - Public Infrastructure Name: Gem Rochdale Location: Halifax Road, Wardle, Rochdale, OL16 Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A14SE (E)	987	7	392105 415673
235	Points of Interest - Recreational and Environmental Name: Play Area Location: OL12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	392	7	391262 415536
236	Points of Interest - Recreational and Environmental Name: Play Area Location: OL12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	462	7	391608 415880
237	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	570	7	390847 415421
237	Points of Interest - Recreational and Environmental Name: Playground Location: Buckley View, OL12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A8NW (SW)	570	7	390847 415421
238	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	849	7	391211 416766
238	Points of Interest - Recreational and Environmental Name: Playground Location: Clough Street, OL12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	850	7	391211 416767
239	Points of Interest - Recreational and Environmental Name: Play Area Location: OL12 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	888	7	392024 416052



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
240	Ancient Woodland Name: Buckley Wood Reference: 1121204 Area(m ²): 18554.85 Type: Plantation on Ancient Woodland	A12SE (SW)	577	8	390655 415598
241	Ancient Woodland Name: Buckley Wood Reference: 1121204 Area(m ²): 7056 Type: Ancient and Semi-Natural Woodland	A12SE (SW)	617	8	390620 415579
242	Areas of Adopted Green Belt Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan Status: Adopted Plan Date: 30th June 2006	A13NE (NE)	0	9	391143 415914

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Calderdale Metropolitan Borough Council - Environmental Health Oldham Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department	June 2020 October 2017 October 2017 October 2017 October 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually
Discharge Consents Environment Agency - North East Region Environment Agency - North West Region	October 2022 October 2022	Quarterly Quarterly
Enforcement and Prohibition Notices Environment Agency - North East Region Environment Agency - North West Region	March 2013 March 2013	
Integrated Pollution Controls Environment Agency - North East Region Environment Agency - North West Region	January 2009 January 2009	
Integrated Pollution Prevention And Control Environment Agency - North East Region Environment Agency - North West Region	October 2022 October 2022	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Calderdale Metropolitan Borough Council - Environmental Health	July 2014 March 2015 May 2016 October 2014	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Calderdale Metropolitan Borough Council - Environmental Health	July 2014 March 2015 May 2016 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Calderdale Metropolitan Borough Council - Environmental Health	July 2014 March 2015 May 2016 October 2014	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	December 2022	
Pollution Incidents to Controlled Waters Environment Agency - North East Region Environment Agency - North West Region	December 1998 January 2000	
Prosecutions Relating to Authorised Processes Environment Agency - North East Region Environment Agency - North West Region	July 2015 July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North East Region Environment Agency - North West Region	March 2013 March 2013	
Registered Radioactive Substances Environment Agency - North East Region Environment Agency - North West Region	June 2016 June 2016	As notified 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 East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	October 2022 October 2022 October 2022 October 2022 October 2022	Quarterly Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - North East Region Environment Agency - North West Region	October 2022 October 2022	Quarterly Quarterly
Water Industry Act Referrals Environment Agency - North East Region Environment Agency - North West Region	October 2017 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	August 2022	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2022	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2022	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2022	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	January 2023	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	November 2022	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North East Region Environment Agency - North West Region	January 2009 January 2009	Not Applicable Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	October 2022 October 2022 October 2022 October 2022 October 2022	Quarterly Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	July 2022 July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Calderdale Metropolitan Borough Council - Environmental Health Lancashire County Council - Waste Management Group Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2003 February 2003 February 2003 February 2003 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Calderdale Metropolitan Borough Council - Environmental Health Lancashire County Council - Waste Management Group Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	October 2018 October 2018 October 2018 October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	March 2006 March 2006 March 2006 March 2006 March 2006	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	April 2018 April 2018 April 2018 April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	June 2015 June 2015 June 2015 June 2015 June 2015	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2022	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Calderdale Metropolitan Borough Council Lancashire County Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Calderdale Metropolitan Borough Council Lancashire County Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2016 February 2016 February 2016 February 2016 February 2016	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 Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 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



Data Currency

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	January 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	January 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	December 2022	Quarterly
Points of Interest - Education and Health PointX	December 2022	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2022	Quarterly
Points of Interest - Public Infrastructure PointX	December 2022	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2022	Quarterly
Underground Electrical Cables National Grid	May 2021	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	February 2021	Bi-Annually
Areas of Adopted Green Belt Calderdale Metropolitan Borough Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Calderdale Metropolitan Borough Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	July 2022 July 2022 July 2022 July 2022	Quarterly Quarterly Quarterly Quarterly
Areas of Outstanding Natural Beauty Natural England	August 2022	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2021	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	January 2021	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 June 2017	Bi-Annually
Ramsar Sites Natural England	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2021	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	February 2021	Bi-Annually

A selection of organisations who provide data within this report

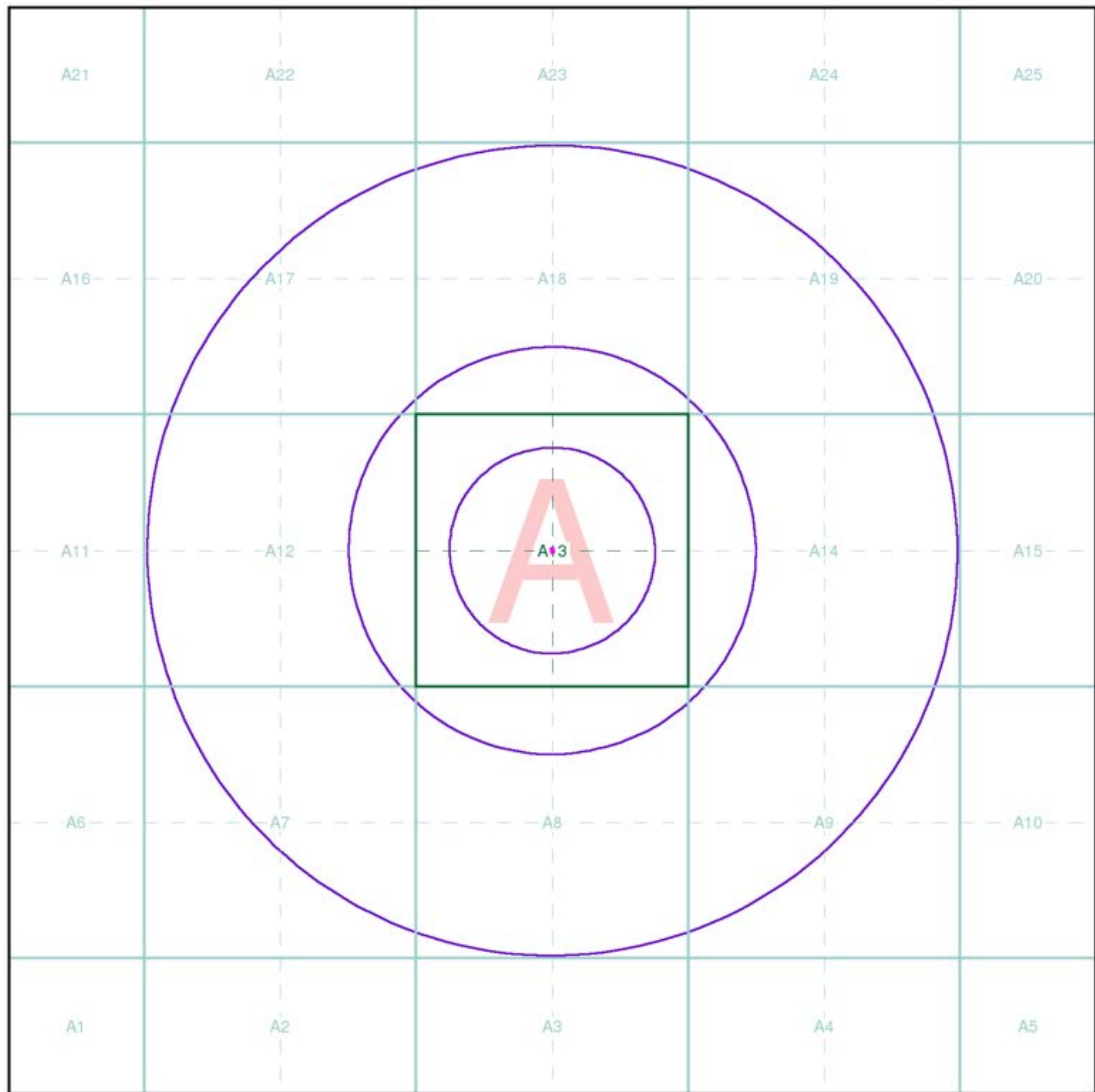
Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec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



Useful Contacts

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Rochdale Metropolitan Borough Council - Environmental Health Department P O Box 32, Telegraph House, Ballie Street, Rochdale, Greater Manchester, OL16 1JH	Telephone: 01706 864139 Fax: 01706 864185 Website: www.rochdale.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	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
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	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
10	Rossendale Borough Council - Planning Department Town Hall, Rawtenstall, Lancashire, BB4 7LZ	Telephone: 01706 217777 Fax: 01706 224958 Website: www.rossendale.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.



Index Map

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

Slice

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

Segment

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

Quadrant

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

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

Client Details

Mr J Ditchburn, Arc Environmental Ltd, Unit 1, Elliot Court, St John's Road, Meadowfield, Durham, DH7 8PN

Order Details

Order Number: 307172747_1_1
Customer Ref: 23-053
National Grid Reference: 391140, 415910
Site Area (Ha): 0.01
Search Buffer (m): 1000

Site Details

New Sheep Shed, Half Way House, Wardle Road, ROCHDALE, OL12 9ER

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

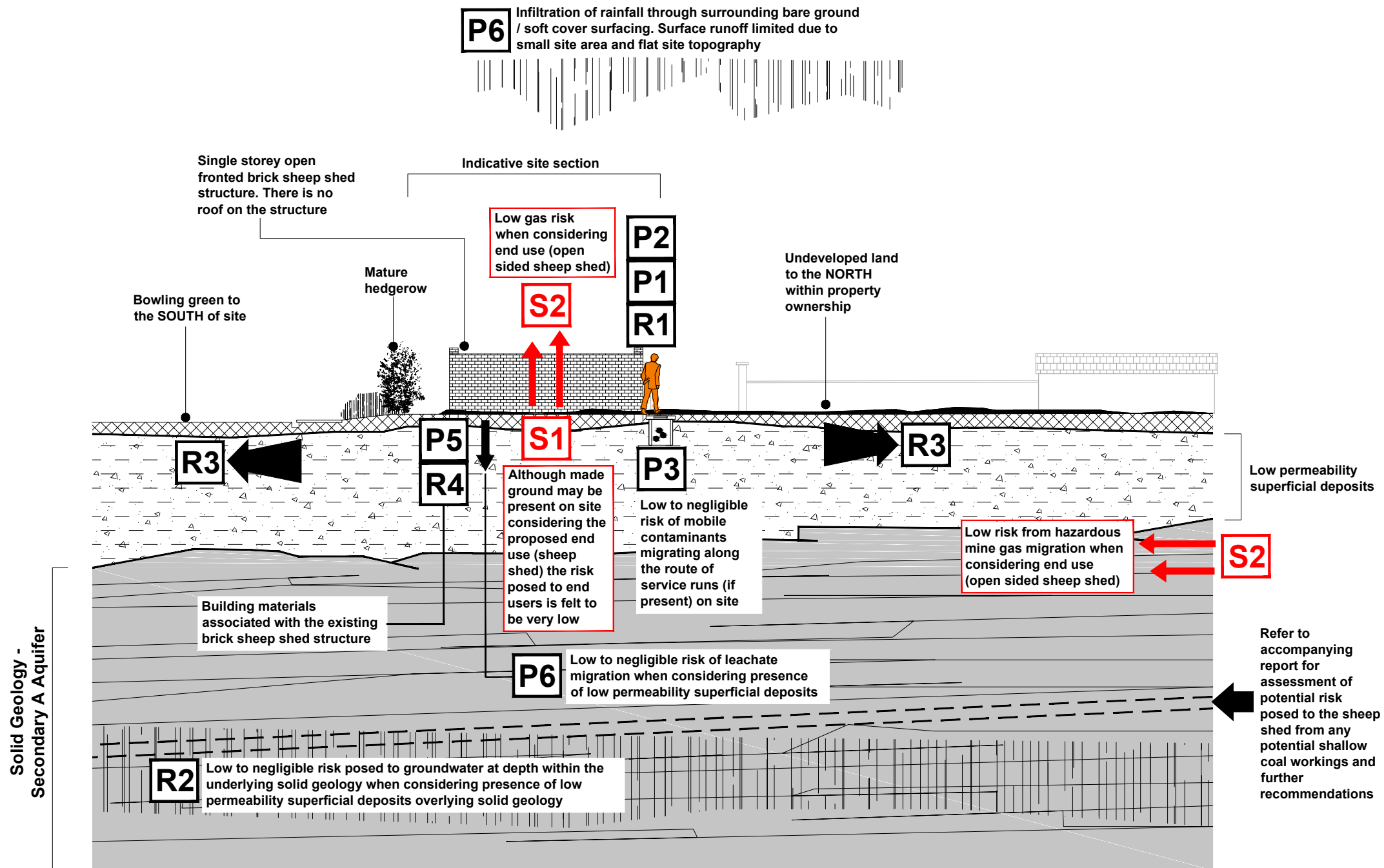


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APPENDIX IV

Conceptual Site Model (CSM)

CRITICAL POLLUTANT LINKAGES					
SOURCE	1. Made Ground: Given the history of the site only limited made ground is anticipated and no targeted sources identified at the location of the new sheep shed 2. Potential Ground Gases: on site and off site sources for generation and migration. Given the nature of the proposed structure not considered to represent a significant risk	PATHWAY	1. Ingestion & Dermal Contact 2. Air-inhalation of vapours and direct contact with dust 3. Migration through existing services / permeable strata 4. Direct contact with building materials 5. Surface runoff, Infiltration & leachate migration	RECEPTOR	1. Human health (End use taken as Commercial (best fit) and construction workforce 2. Controlled Waters: Groundwater - within the deeper solid geology (identified as Secondary A Aquifer). No surface water features within a plausible migration distance 3. Adjacent sites 4. Building materials 5. Flora and fauna - <i>receptor not applicable for the proposed end use development</i>
S		P		R	



STRATA DETAILS



MADE GROUND:
According to published BGS maps and data, the site is not recorded to be underlain by significant thicknesses of made ground. However, taking into account the potential history of the site, some made ground may be present on site below the proposed new structure. This made ground, if present, is likely to comprise a mixture of disturbed natural strata (clay, sand, gravel, etc.) with some anthropogenic debris (ash, fragmented stone, etc.) and is anticipated to extend to depths of c.1m to c.2m bgl

See section

DRIFT DEPOSITS:
Based on maps and data produced by the BGS, the superficial deposits are shown to be Glacial Till which typically comprises firm and stiff sandy gravelly clays with bands and lenses of sands and gravels. From the closest archive BGS borehole logs, located in a similar geological setting c.225m to the south west, Glacial Till deposits, initially comprising soft and firm clays, becoming stiff, to depths of c.3.30m to c.4.10m bgl, have been recorded and are in turn underlain by medium dense and dense sands and gravels to depths of at least c.5.50m bgl. Similar depths of superficial deposits are anticipated to be present below the location of the new sheep shed



SOLID GEOLOGY:
The solid geology below the site comprises the Pennine Lower Coal Measures (PLCM) - undifferentiated, deposited during the Period of Earth's history known as the Carboniferous. These deposits typically comprise alternations of sandstones, siltstone, mudstone, seatearth (fire clay) and coal seams, with undifferentiated mudstone shown below the proposed building footprint. The closest coal seam to the site is the Upper Mountain (UM) seam which the CA indicates to subcrop c.225m to the north of the site, dipping in a southerly direction below the location of the new Sheep Shed



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The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.
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rev.	date	amendments	drawn	chkd

Client:
MR SAJID HUSSAIN

Project Title:
New Sheep Shed
Half Way House, Wardle Road
Rochdale, OL12 9ER

Drawing Title:
Conceptual Site Model

Scale at A3: NTS @ A3	Date: 06.04.23	Drawn by: P.D	Approved by: M.R.B
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Job Ref: 23-053	Drg no: —	Rev: —
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