



Phase I Geo-Environmental Risk Assessment
Land at Delph Street, Milnrow, Rochdale

January 2024

Howe Rigout & Construction Ltd

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Rochdale

Client: Howe Rigout &
Construction Ltd

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Author:	Checked / Approved by:
Andrew Cuthbert BSc(Hons) MSc MIEMA, CEnv, DoWCoP Qualified Person (QP475)	Jeff Roberts BSc(Hons) MSc MEnvSc CEnv
	
Position: Associate Director	Position: Managing Director

	Roberts Environmental Ltd., 1 Croft Stairs, Newcastle upon Tyne, NE1 2HG	0191 230 4521
		enquiries@robertsenvironmental.co.uk
		www.robertsenvironmental.co.uk

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EXECUTIVE SUMMARY

SCOPE	
Purpose of the Report	This report has been prepared for the purpose of assisting in the evaluation of potential risk associated with contamination issues at the site and evaluates potential geological hazards that may have the potential to influence the proposed development.
Future Site End-use	Refurbishment of upper floor in existing property to create 4 No. residential apartments and the construction of 5 No. new-build residential houses with associated hardstanding areas for access and parking and gardens.
SITE INFORMATION	
Grid Reference	392750, 412690
Current Site Status	The site comprises undeveloped (brownfield land) in the northern part with an existing partially occupied three storey (former Reform Club) stone built property to the south. The undeveloped land is accessed by vehicle from the north off Delph Street through a locked gated entrance by authorised persons only. The boundaries of this area are defined by metal fencing and a retaining wall, to the south of which is the existing property on site. During the site visit, snow was covering the site preventing full inspection of site surfacing, however, based on available information and observations made during the inspection, it is understood surfacing across the undeveloped area comprised a mix of concrete hardstanding with soft landscaping vegetated with occasional trees, rough grassland and shrubs around the periphery. The existing property on site is occupied by operational retail properties on ground floor with the upper floors being utilised for storage. REL understand that only the upper floor to which access can be gained via a bridge leading from the undeveloped area of the site is being considered for redevelopment for a residential use. Japanese Knotweed is known to have been previously identified on site which has undergone treatment.
History	From earliest mapping dated 1851, the site is shown to comprise undeveloped land until mapping dated 1893, when a building denoted as a Reform Club occupies the southern part of the site. Mapping dated from 1930 shows the northern part of the site to comprise a Bowling Green. A works building is constructed in the northeastern part of the site prior to 1968 which is shown to have expanded by mapping dated 1988. The site is shown in its current layout from mapping dated 2023. Potentially contaminative land uses identified within the surrounding area include quarries (potentially infilled), mills, gas works, railway lines, grave yard, soap and candle works, laundry, engineering works, town yard and electricity sub-station
Geology	Significant deposits of Made ground are not recorded on site, although localised areas of Made Ground may be present within the site boundaries particularly on the southern extent of the undeveloped part of the site, north of the retaining wall, associated with land raising/levelling. The site is recorded as being underlain by Devensian Till, although these deposits may have been removed in part particularly in the southern part of the site in which the existing building is positioned. Solid deposits comprise the Milnrow Sandstone.
Hydrogeology	The site is underlain by superficial deposits classified as an Unproductive Aquifer with solid deposits underlying the site classified as a Secondary (A) Aquifer. The site is located Source Protection Zone 2 (Outer Zone). There are three active groundwater abstraction licences recorded within 1km of the subject site. The nearest groundwater abstraction is recorded 509m to the southeast at Colliery Shaft, and relates to an abstraction used for Public Water Supply, operated by United Utilities Ltd.
Hydrology	No watercourses are recorded onsite. The River Beal is situated 100m to the southwest. The site is upgradient of this watercourse. There are four active surface water abstraction licences recorded within 1km of the subject site. The nearest abstraction to the site relates to a surface water abstraction 74m to the southwest utilised for Brewery/Wineries: General Cooling. The nearest portable water supply abstraction is recorded 509m to the southeast at Colliery Shaft. Based on available information, it is considered the site has an overall Low flood risk.

Environmental Sensitivity	Based on information discussed above, the site location is considered to be of Low to Moderate environmental sensitivity.
Previous Reports	No previous reports pertaining to the subject site have been made available for review.
Regulatory Consultation	From a review of Rochdale Borough Council's online planning portal, 6 No. planning applications pertaining to the subject site have been noted. From a review of those applications, the most pertinent to this assessment are considered to be the following:- 79/D06592: Dale Street, Milnrow – Fire Resistant Store 79/D08476: Texas Adhesives Works, Selph Street Milnrow – Workshop Machine Storage and Car Port. 79/D08738: Texas Adhesives Works, Dale Street, Milnrow – Petroleum Store. No environmentally pertinent information was available for review within the planning applications available for the subject site.
RISK ASSESSMENT (POTENTIALLY SIGNIFICANT POLLUTANT LINKAGES)	
Hazard Identification	Source The site was previously occupied by a works, which, following a review of the above data, appears to have been utilised as an Adhesive Works, which may have included a petroleum store. Fly tipping was noted in isolated areas of the site. Treated, dead Japanese Knotweed stands are evident on site. There are no notable sources of ground gas present onsite. Potentially contaminative land uses identified within the surrounding area include quarries (potentially infilled), mills, gas works, railway lines, grave yard, soap and candle works, laundry, engineering works, town yard and electricity sub-station. A potential source of residual ground gas has been identified beyond the site's northern boundary associated with a potentially infilled sandstone quarry.
	Pathway Direct contact or inhalation/ingestion pathways could exist where landscaped areas and/or permeable surfacing is present at the site. Mobile contaminants (where present) have the potential to migrate vertically and laterally via permeable strata. Ground gas/vapours (where present) have the potential to migrate vertically and laterally via permeable strata.
	Receptor <i>Human Health</i> - Current site users, Adjacent site users and residents, Future groundworkers, Future residents and site users. <i>Built Environment</i> - Current structures and services, Adjacent residential properties and services, Future properties including foundations and services <i>Flora and Fauna</i> - Current vegetation and Future planting within landscaped areas and gardens. <i>Controlled Waters</i> - Groundwaters and surface waters.
CONCLUSIONS	
Risk Estimation	The current and historical assessment has identified that the previous site uses are unlikely to have resulted in significant contamination of underlying strata. However, residual localised contamination may be present within soils and groundwaters, associated with historic use as a works and fly tipping. No significant sources have been identified within a 500m radius of the site. However a residual risk may exist associated with potentially infilled sandstone quarry located beyond the site's northwestern boundary. The environmental risk arising from the ground condition at the subject site when taking into account the site's current status and usage is Low. For the redevelopment of the site to a residential usage, the potential environmental risk to arising from the ground conditions is Low to Medium. In conjunction with the recommendations outlined in Section 12, it is the opinion of REL, that no issues have been identified which are considered to preclude the future redevelopment of the site.

For the redevelopment of the site, we recommend the following action:

- A) Prior to redevelopment, targeted environmental sampling from areas of future gardens and soft landscaping, including soil, leachate and/or water samples should be collected and tested to confirm the absence of a significant risk to human health and/or sensitive receptors.
- B) Where development is proposed, an intrusive ground investigation would be required to allow for the collection of geotechnical data, to be used to inform future foundation design.
- C) Where sensitive land uses (i.e. buildings) are proposed, gas monitoring would be required to quantify the risk posed by potential ground gas sources present within a plausible migration distance of the site. Alternatively, discussion couldn't be undertaken with the Local Authority to determine if the installation of basic in lieu of gas monitoring may be prudent.
- D) A request should be made to obtain proof of warranties/guarantees relating to the treatment of Japanese Knotweed. Should any evidence of re-growth and/or new areas of Japanese Knotweed be identified, advice must be obtained from a suitably qualified consultant. No groundworks should be undertaken in areas in which active/viable Japanese Knotweed is present or suspected.
- E) Drainage design would need to be considered as part of development planning to ensure development works pose no unacceptable increase in flood risk to site or off-site receptors.
- F) Construction and maintenance work should be subject to risk assessment. Workers should use appropriate procedures and to manage residual risk from exposure to materials on site.

1. Scope & Objectives

The Services	Phase I Geo-Environmental Risk Assessment	
The Client	Howe Rigout & Construction Ltd	
Appointment Details	The Services have been carried out in accordance with the Proposal dated 14 December 2024 and REL's Terms and Conditions of Engagement, (together " the Agreement ") as accepted by the Client on 10 January 2024.	
Site Name	Land at Delph Street	
Site Address	Milnrow, Rochdale, OL16 3NJ (" the Property ")	
Proposed Use	Refurbishment of upper floor in existing property to create 4 No. residential apartments and the construction of 5 No. new-build residential houses with associated hardstanding areas for access and parking and gardens.	
Planning Application	None currently available.	
Information Sources (Where appropriate documents are contained in Appendix II with data extracts provided and summarised within pertinent sections of this report. List not exhaustive)	Online Source	Environment Agency Database and Mapping
		Magic Map Web Mapping Service
		Coal Authority Interactive Map Viewer
		British Geological Survey, Database and Mapping
		BGS Geindex web mapping service
		British Geological Survey. (BGS) 1: 50,000 scale Provisional Series, Geological Map, England and Wales, Sheet 85 (Manchester), available on the BGS map portal.
	Documentation Source	Envirocheck Report (330882563_1_1) purchased from Landmark
	Previous Reports	None available for review at the time of compilation.
	Site Inspection	Undertaken 16 January 2024 by an Engineer from REL. Retail properties at ground floor level in the existing property were excluded from the inspection and remain out with the scope of any proposed development.

2. Site Details

National Grid Ref.	392750, 412690
Topography	The subject site is situated on a sloped hillside which falls in a south-westerly direction towards Dale Street. The northern part of the site is relatively level with only a slight fall to the southwest, with some possible land raising activities having occurred and a retaining wall present along the southern extent of the northern part of the site. Beyond this retaining wall is the existing property on site. Ground levels in the southern part of the site appear to follow the natural gradient, although, some excavation into the slop is likely to have occurred to create the development platform.
Site Area	0.19 hectares
Occupancy	Vacant with the exception of the existing structure to the south which is understood to retain active retail units at ground level.
Location	The subject site is located adjacent to the south of Delph Street and adjacent to the north of Dale Street, approximately 800m to the northwest of the M62 motorway, within the Milnrow area of Rochdale, in its eastern outskirts.



Figure 1: Approximate Site Location Highlighted in Red



Figure 2: Site Boundaries are Defined in Red with Photograph Locations also Labelled. Blue outline denotes the area proposed to be developed. Blue dashed line shows position of retaining wall.

Current Site Description and Activities	The subject site is an irregularly shaped parcel of land, largely comprising undeveloped (brownfield land) in the northern part with an existing partially occupied three storey stone built property (former Reform Club) to the south. The undeveloped land is accessed by vehicle from the north off Delph Street through a locked gated entrance by authorised persons only. The boundaries of this area are defined by metal fencing and a retaining wall, to the south of which is the existing property on site. During the site inspection, snow covering at the site prevented full inspection of site surfacing, however, based on available information and observations made during the site inspection, it is understood surfacing across the undeveloped area comprised a mix of concrete hardstanding with soft landscaping vegetated with occasional trees, rough grassland and shrubs around the periphery. The existing property on site is occupied by operational retail properties on ground floor with the upper floors being utilised for storage. REL understand that only the upper floor to which access can be gained via a bridge leading from the undeveloped area of the site is being considered for redevelopment for a residential use. As such, only the upper floor is considered further in this report. At present the upper floor is utilised for the storage of furniture and other commercial/domestic materials. Information provided by the site contact indicated the upper floor does not currently have a gas or electricity supply, although the lower floor is provided with electricity, with incoming distribution apparatus appearing to be relatively recent. Floors within the existing property, including the ground floor are understood to be of timber construction. No access to the undeveloped area of the site from the existing retail occupancy is available. The southern extent of the undeveloped area of the site exists at an approximate level 1.5m above ground level immediately surrounding the existing property, with a stone retaining wall securing this level change. A path runs between the retaining wall and the existing property with a door leading from this path into the lower level of the existing property. During the site inspection, some fly tipped waste was noted in the vicinity of this path, which REL understand is to be removed prior to redevelopment works commencing. Evidence of dry Japanese knotweed stumps were noted in the southern extent of the undeveloped area, which the site contact indicated had been subject to treatment over a period of three years by a specialist Japanese Knotweed Treatment specialist. Further details are presented in Section 3. No issues of environmental significance were noted associated with the current use of the site.
Surrounding land uses	The site is located within a mixed residential and commercial area with residential properties with associated garden areas present adjacent to the northwest and beyond Delph Street to the north. Commercial retail properties are present adjacent to the southeast and beyond Dale Street to the south.

Site Photographs

Photograph 1 – View of the north-eastern boundary of the site showing access gate off Delph Street.



Photograph 2 – View of the site looking in a northerly direction towards adjacent residential properties.



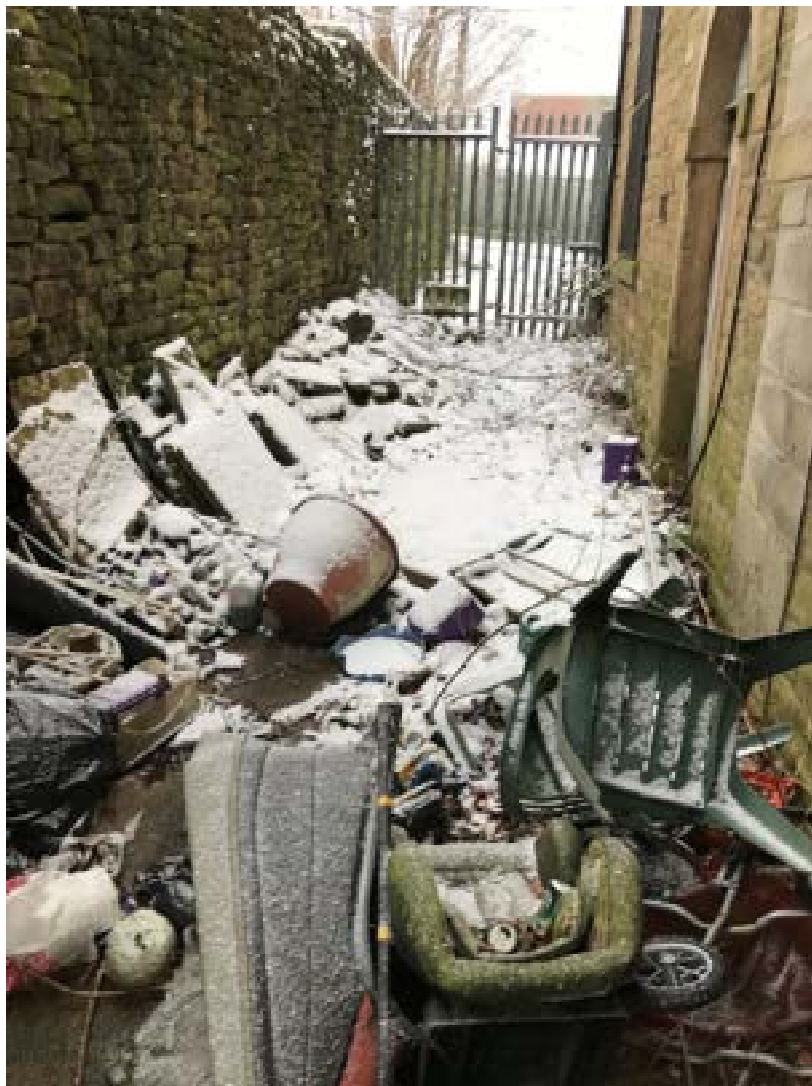
Photograph 3 – View of the site looking west/southwest. Bridge to upper floor of existing building in the southern part of the site is shown by blue arrow.



Photograph 4 – View of retaining wall which is present at the southern extent of the undeveloped area of the site.



Photograph 5 – Fly tipped waste present on path passing between existing building on site and retaining wall.



Photograph 6 – View of internal area of upper floor in the existing building which is to be converted into residential apartments.



Photograph 7 – View of the the frontage of the existing building (Stone building), with retail properties shown on ground floor level. Blue arrow shows floor subject to this report.



3. Site Information & Previous Reports

Item		Details						Contamination Sources and Potential			
	Evidence Source	Type	Location	Treatment Details		Condition	Further Information	Potential Contamination Sources	Contamination Potential (Low/Medium/High)		
Deleterious Materials	REL Site Walkover	Fly tipped waste	Path between retaining wall and existing building	N/A		Various	To be removed prior to development.	Various, waste dependent, possible ACM, oils, chemicals.	Low to Medium		
Above/Underground Ground Tanks (AST/UST)	Evidence Source	Type	Location	Size	Construction/Age	Contents	Integrity Tested	Observations	Potential Contamination Sources	Contamination Potential (Low/Medium/High)	
	REL Site Walkover	AST	None noted within accessible areas						None	Low	
		UST	None noted within accessible areas						None	Low	
Site Services	Evidence Source	Type	Location	Condition		Further Information			Potential Contamination Sources	Contamination Potential (Low/Medium/High)	
	REL Site Walkover	Electricity	Ground floor level in existing property	Good	Electricity infrastructure at ground level appears recent. No electricity or gas supply to upper floors reported.					None	Low
	Service Plans	N/A	N/A	N/A	No plans provided.			None	Low		
Chemical Storage	Evidence Source	Type	Location	Size	Contents		Observations	Potential Contamination Sources	Contamination Potential (Low/Medium/High)		
	REL Site Walkover	None noted within accessible areas							None	Low	
Waste Management Practices	Evidence Source	Waste Type	Storage Location	Container Type		Waste Disposal Contractor	Observations	Potential Contamination Sources	Contamination Potential (Low/Medium/High)		
	REL Site Walkover	Fly tipped waste	Path between retaining wall and existing building	Various		N/A	Various waste types present. To be removed prior to development.	Various, waste dependent, possible ACM, oils, chemicals.	Low to Medium		
Invasive Plants	Evidence of dry Japanese knotweed stands were noted in the southern extent of the undeveloped area, which the site contact indicated had been subject to treatment over a period of three years by a specialist Japanese Knotweed Treatment specialist. Following a request for confirmation, the client provided treatment certificates issued by Weedtec, which indicate that the Japanese Knotweed was treated using Aminopyralid and Glyphosate via stem injection on 23 September 2021, 28 September 2022 and 30 May 2023. In addition, the client confirmed they had witnessed no re-growth since the final injection on 5 May 2023.								Low		
Additional Information from Site Inspection	Concrete hardstanding partially covers undeveloped area of the site. Trees are present in some areas. Southern part of undeveloped land appears to have been raised which may have involved infilling by unknown materials.								Low to Medium		
Additional Information from Previous Reports	None available for review at the time of report compilation.								Low		

Overall Current Contamination Potential for the site is identified to be **Low to Medium**.

4. Historical Development

A review of historical maps has been undertaken. A summary of relevant information, within 250m (i.e. in the planning consultation zone), is shown in chronological order in the table below with relevant maps in **Appendix I**. All distances described below are approximate.

Source	Site	Surroundings	Potential Contamination Sources	Contamination Potential (Low/Medium/High)
Pre 1851 – pre 1893	The site appears largely undeveloped with a structure to the northwest.	A label adjacent to the north/northwest indicates the presence of a Sandstone Quarry . Mills are shown 20m to the east and 130m to the southwest (woollen).	Onsite – None Offsite – Mills, quarry	Onsite - Low Offsite – Low to Medium
Pre 1893 – pre 1910	The southern part of the site is occupied by a structure denoted as a reform club which appears in a similar layout to the current structure on site. The northern part of the site appears to be largely undeveloped.	Land adjacent to the north and northwest is shown as undeveloped. Possible residential properties are denoted adjacent southeast and southwest. A road (Dale Street) is present adjacent to the south. A river is shown 100m to the south and Mil Race is shown 70m to the southeast. An old quarry is present 90m to the northwest. Mills are shown 20m to the east, 40m to the southeast (cotton), 70m to the southwest (cotton), and 220m to the northwest (fellmongering). A gas works is denoted 70m to the southeast with gas holders. Railway lines are present 220m to the southwest and a grave yard is shown 120m to the northeast. Former Sandstone Quarry adjacent to northwest may have been infilled .	Onsite – Reform Club Offsite – Mills, gas works, railway lines, potentially infilled quarry.	Onsite - Low Offsite – Medium
Pre 1910 – pre 1930	No significant land use change is noted.	A row of possible residential properties is shown 10m to the northwest, with Delph Street shown adjacent to the north. A soap and candle works is denoted 200m to the southeast and a laundry is noted 220m to the west. Tanks are shown 100m to the south associated with the gas works and 200m to the northwest. An engineering works is shown 140m to the west.	Onsite – None Offsite – Works, laundry, tanks	Onsite – Low Offsite – Low to Medium
Pre 1930 – pre 1956	A bowling green is shown to now occupy the northern part of the site.	A Town Yard is shown 80m to the west.	Onsite – None Off-site – Town Yard	Onsite – Low Offsite – Low

Source	Site	Surroundings	Potential Contamination Sources	Contamination Potential (Low/Medium/High)
Pre 1956 – pre 1968	No significant land use change is noted.	Town yard is now shown as corporation yard with an associated electricity sub-station . Allotment gardens are present 160m to the northwest.	Onsite – None Offsite – Electricity sub-station, allotment gardens	Onsite – Low Offsite - Low
Pre 1968 – pre 1988	Works are now shown to occupy the north-eastern part of the site. A footbridge crosses from the structure in the southern part of the site to the works in the north.	An electricity sub-station is shown adjacent to the northeast. The engineering works 140m to the west has expanded and now dominate much of the land from 100m southwest and south. A garage is present 100m to the southeast.	Onsite – Works Offsite – Electricity sub-station, works, garage	Onsite – Low to Medium Offsite – Low to Medium
Pre 1988 – pre 2023	The works structure in the northern part of the site have expanded to the west.	No significant land use change has been noted.	Onsite – Works Offsite – None	Onsite – Low to Medium Offsite - Low
Pre 2023– present	The site is shown largely in its current layout. The works structure appears to have been removed.	No significant land use change is noted.	Onsite – None Offsite – None	Onsite – Low Offsite - Low

* Potentially contaminative land uses in ***bold italic***

Overall historic contamination impacting the site when considering source type and location, is identified to be **Low to Medium**.

5. Geological and Hydrogeological Setting

Recorded Geology		Hydrogeological Characteristics of Underlying Strata
Made Ground	Records indicate an absence of significant recorded Made Ground materials on or immediately adjacent to the site. Given the site history, localised Made Ground should be anticipated.	Unclassified Aquifer Classification.
Drift Geology	The site is recorded within an area underlain by superficial drift deposits comprising Devensian Till (Diamicton).	Unproductive Aquifer - Rocks that have negligible significance for water supply or baseflow to rivers, lakes and wetlands. They consist of bedrock or superficial deposits with a low permeability that naturally offer protection to any aquifers present..
Solid Geology	The site is recorded to be underlain by the Milnrow Sandstone Formation (sandstone).	Secondary (A) Aquifer - Comprise permeable layers that can support local water supplies, and may form an important source of base flow to rivers.
Economic Geology	The site is situated within a Coal Mining Reporting Area, but not within a Development High Risk Area. The site is not located in an area of past or probable shallow coal mining activities and no coal outcrops are located within the vicinity of the subject site. There are no BGS Recorded Mineral Sites on site. However there is one recorded mineral site 18m to the northwest relating to a now ceased opencast sandstone extraction operation.	Not Applicable.
Groundwater Designation		
The site is located Source Protection Zone 2 (Outer Zone) - This zone is 400 day travel time of pollutant to source. This has a 250 or 500 metres minimum radius around the source depending on the amount of water taken..		
Groundwater Abstraction Licences		
There are three active groundwater abstraction licences recorded within 1km of the subject site. The nearest groundwater abstraction is recorded 509m to the southeast at Colliery Shaft, and relates to an abstraction used for Public Water Supply, operated by United Utilities Ltd.		
Ground Stability Hazards		
The site is located in an area with no to a low ground stability hazard potential.		
BGS Borehole Logs		
There are no BGS boreholes recorded on site or within the immediate surrounding area.		

Materials Management

As part of the development design phase, we would advise that the reuse and waste management of soil is given careful consideration as the re-use of excavated site won soils, where deemed suitable and needed can generate significant cost savings by limiting soil importation as well as reducing waste disposal costs. The principle of soil reuse is supported by regulators as it forms part of the drive towards a circular economy. However, where this is being considered, evidence needs to be collected to ensure the re-use of soils is undertaken in accordance with the legal framework governing waste.

A number of options to aid with demonstrating that a material is not waste and can therefore be legally re-used on site are available including designing the development so as to retain soils in-situ, applying for Permits, Waste Exemptions and Materials Management Plans. However, when considering the scale of the development proposed and the anticipated development timescales, REL would advise the use of the CL:AIRE Definition of Waste Code of Practice (DoWCoP) approach.

The Environmental Agency has stated that, 'If materials are dealt with in accordance with the DoWCoP, it is considered that those materials are unlikely to be waste at the point when they are to be used for the purpose of land development and remediation.'

In order to adopt the CL:AIRE DoWCoP it is necessary to provide evidence demonstrating: -

- The material is needed,
- The material is suitable for its intended use
- The volume of material is appropriate for the need,
- The material will be suitably excavated, handled, stockpiled, tracked and placed,
- Contractual responsibilities,
- Contingency arrangements should deviation from the agreed remediation strategy occur.

As such should you require further advice and guidance in this regard, we would advise consultation with an appropriately qualified and experienced consultant at the earliest possible stage.

6. Ground Gas and Vapours

The geological setting of the site and surrounding land is identified to include relatively permeable strata comprising sandstone. Therefore, potential sources located within a **250m radius** of the site have been included below.

Potential Sources	
Made Ground	Significant deposits of Made ground are not anticipated on site although, some land raising activities may have occurred on site and a historic sandstone quarry is recorded 18m to the northwest which may have been infilled.
Natural Geological Sources (i.e. peat, etc.)	Underlying superficial and solid deposits in their natural state are unlikely to be considered a significant source of ground gas.
Economic Geology (including stythe gas)	The likelihood of worked coal seams being present beneath the site is considered to be limited, therefore the risk posed by stythe gas is considered to be low.
Landfills	There are no landfill sites recorded within a 250m radius of the site. Remaining landfills beyond 250m are unlikely to represent a significant gas generation potential due to the inert deposits of wastes received
Potentially Infilled Land	Seven areas of potentially infilled land are recorded within 250m. The nearest is recorded 39m to the northwest, dated 1989 which related to an unknown filled, pit, quarry etc. This is the only potentially infilled non-water related feature noted within 250m. Five areas water related potentially infilled land recorded within 250m, the nearest of which is recorded 59m to the south, is dated 1851 and is associated with an infilled pond, marsh, river, streak or dock. From a review of historic mapping and the Envirocheck Datasheet, a historic sandstone quarry is recorded 18m to the northwest which may have been infilled. This appears to have been infilled prior to 1910, based on historic mapping.
Radon Gas	The site is recorded to be in a Lower Probability Radon Area (less than 1% of homes are estimated to be at or above the Action Level).
Vapours	No evidence of significant vapour sources was noted during the site walkover. From a review of planning applications, it is understood a petroleum store may have previously been present on site. Such a store may have resulted in localised hydrocarbon impact in soils and groundwaters in its vicinity which may represent a source of vapours. The previous site was utilised as an adhesive works, which may have involved the storage and use of solvent like substances, which may be considered volatile.
Comments	

Potential sources of ground gas have been identified within 250m of the site (sandstone strata are known to facilitate long distance migration).

Based on the document prepared by CIRIA titled 'CIRIA C665 -Assessing risks posed by hazardous gases to buildings'. Section 7.2.5 (Figure 7.1), it is understood landfill gas generation rate significantly reduces with the age of the waste. By 30 years, the rate of gas generation is insignificant, and by 50 years, the rate is minimal. Therefore, **the potentially infilled quarry adjacent to the northwest is considered to pose a low to no risk due to time since infill**. The infilled land 39m to the northwest dated 1989, may be associated with the aforementioned Quarry but even when considering a later reported date of infilling of 1989, over 30 years would have passed since infilling.

Overall, the onsite ground gas generation potential is identified to be **Low**.

Overall, the offsite ground gas generation potential is identified to be **Low to Medium**.

7. Hydrology

A summary of pertinent information relating to the site's hydrological context is presented below.

Hydrological Context	
Surface Watercourses	No watercourses are recorded onsite. The River Beal is situated 100m to the southwest. The site is upgradient of this watercourse.
Culverted Watercourses	Based on the available information and following the completion of the site walkover no evidence of a culverted watercourse has been noted at the subject site. Should further clarification on this point be required, it would be necessary to undertake an intrusive drainage survey to trace the course of drainage infrastructure.
Surface Water Abstractions Licences	There are four active surface water abstraction licences recorded within 1km of the subject site. The nearest abstraction to the site relates to a surface water abstraction 74m to the southwest utilised for Brewery/Wineries: General Cooling. The nearest portable water supply abstraction is recorded 509m to the southeast at Colliery Shaft, and relates to an abstraction used for Public Water Supply, operated by United Utilities Ltd.
River and Sea Flood Risk (Environment Agency database)	Flood Zone 1 - Land outside the area at significant risk of flooding from rivers and sea. Land within Flood Zone 1 can typically be considered to have a low low risk with regard river and sea flooding.
Surface Water Flood Risk	The site is not located in an area with a high probability of surface water flooding. However, land along the site's southern boundary may experience surface water flooding during periods of extreme/persistent rainfall.
Groundwater Flood Risk	The Envirocheck report identifies that the site is located in an area with limited risk from groundwater flooding.
Area Benefitting from Flood Defences	None recorded on site.
Evidence of Previous Flood Events at Site	Based on available information, none have been identified.
Overall Flood Risk	Based on available information, it is considered the site has an overall Low flood risk . Drainage design would need to be considered prior to redevelopment to ensure site drainage does not negatively impact surrounding areas and is fit for purpose.

8. Regulatory Databases & Enquiries

From a review of Envirocheck Report, presented in **Appendix II**, the following information has been obtained in relation to the regulatory database entries within 250m of the site.

Record	On site	Within 250m Radius	Details
Discharge Consents	1	1	The onsite consent elates to a now revoked storm sewage overflow which is reported to have discharged to the River Beal. The offsite consent also relates to a now revoked storm sewage overflow.
Environmental Permits (Active)	0	0	Not Applicable (N/A).
Radioactive Substances (Active)	0	0	N/A.
NIHHS	0	0	N/A.
Pollution Incidents	0	8	The nearest relates to an incident which occurred in July 1995, 25m to the west, which involved the release of sewage to the Beal Catchment due to a wrong connection. This incident was recorded as Minor. The nearest Significant Incident occurred 121m to the west in August 1999, no details are provided with regard the pollutant. The receiving water is noted as the River Stretch.
Fuel Sites	0	0	N/A.
Designated Sensitive Sites or	0	0	There are no sensitive land uses as recorded in the Envirocheck report within 250m of the subject site.
UXO Assessment (Zetica Unexploded Bomb Risk Map)	The site is located in an area with a Low risk and no further works are considered necessary when considering the proposed usage of the site. Please refer to Appendix II for a copy of the Zetica Map.		
Rochdale Borough Council – Historic Planning Applications relating to the site			

From a review of Rochdale Borough Council's online planning portal, 6 No. planning applications pertaining to the subject site have been noted. From a review of those applications, the most pertinent to this assessment are considered to be the following:-

- 79/D06592: Dale Street, Milnrow – Fire Resistant Store
- 79/D08476: Texas Adhesives Works, Selph Street Milnrow – Workshop Machine Storage and Car Port.
- 79/D08738: Texas Adhesives Works, Dale Street, Milnrow – Petroleum Store.

No environmentally pertinent information was available for review within the planning applications available for the subject site.

Comments	Following a review of the above data, it is noted that the subject site appears to have been utilised previously as an Adhesive Works, which may have included a petroleum store. Such historic used may represent a source of contamination. No further information of environmental significance to the subject site has been noted from the above data search.
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9. Preliminary Conceptual Site Model

The information obtained and collated for this preliminary assessment has been used to develop a conceptual site model in accordance with current prescribed regulatory guidance.

Physical & Environmental Site Summary	
Inferred ground conditions	Significant deposits of Made Ground are not recorded on site, although localised areas of Made Ground may be present within the site boundaries particularly on the southern extent of the undeveloped part of the site, north of the retaining wall, associated with land raising/levelling. The site is recorded as being underlain by Devensian Till, although these deposits may have been removed in part particularly in the southern part of the site in which the existing building is positioned. Solid deposits comprise Sandstone.
Geo-hazards & mining	The site is not considered to be at risk from shallow coal mining. No quarrying is anticipated at or below the site, although quarrying appears to have been undertaken historically beyond the site's northwestern boundary. Former quarry voids may have been infilled. The site is located in an area with No Hazard to a Low Hazard ground stability hazard potential.
Environmental Sensitivity	The site is located Source Protection Zone 2 (Outer Zone). The site is underlain by superficial deposits classified as an Unproductive Aquifer with solid deposits underlying the site classified as a Secondary (A) Aquifer. There are three active groundwater abstraction licences recorded within 1km of the subject site. The nearest groundwater abstraction is recorded 509m to the southeast at Colliery Shaft, and relates to an abstraction used for Public Water Supply, operated by United Utilities Ltd. No watercourses are recorded onsite. The River Beal is situated 100m to the southwest. The site is upgradient of this watercourse. Based on available information, it is considered the site has an overall Low flood risk. The site is considered to have an overall Low to Medium Environmental Sensitivity.
Sources of Potential Contamination	
Historic on-site	The site was previously occupied by a works, which, following a review of the above data, appears to have been utilised as an Adhesive Works, which may have included a petroleum store.
Historic off-site	Potentially contaminative land uses identified within the surrounding area include quarries (potentially infilled), mills, gas works, railway lines, grave yard, soap and candle works, laundry, engineering works, town yard and electricity sub-station
Current and Operational	Fly tipping in isolated areas of the site. Treated, dead Japanese Knotweed stands are evident on site.
Onsite ground gas	There are no notable sources of ground gas present onsite.
Offsite ground gas	No significant sources of ground gas have been identified onsite or within a 500m radius of the site. A potential source of residual ground gas has been identified beyond the site's northern boundary associated with a potentially infilled sandstone quarry.

Potential Pathways	Current	During Construction	Future
Dermal Contact with Contaminated Soil and Groundwater.		✓	✓
Ingestion of Contaminated Soils and Groundwaters.		✓	✓
Inhalation of Translocated Contaminated Soils, Dusts and Fibres.		✓	✓
Root Contact with Contaminated Soil and Groundwater.		✓	✓
Ingestion of Contaminated Produce/Crops.			✓
Direct Contact of Contaminated Soils and Groundwaters with Foundations and Services.	✓	✓	✓
Lateral and Vertical Migration of Mobile Contaminants to Groundwaters or Surface Waters.	✓	✓	✓
Lateral Migration to Adjacent Properties.	✓	✓	✓
Upward and Lateral Migration of Ground Gas/Vapours Via Permeable Ground and Service Runs Into Above Ground Structures.	✓	✓	✓
Lateral Migration of Ground Gas/Stythe Gas/Vapours Via Permeable Ground and Service Runs into Buildings in Adjacent Areas.	✓	✓	✓
Upward and Lateral Migration of Ground Gas/Vapours Via Permeable Ground and Service Runs into Below Ground Structures and Excavations.	✓	✓	✓
Note: Construction and Groundworks have the potential to cause the mobilisation of adsorbed, absorbed and confined contaminants and confined ground gas within soils and groundwaters beneath the site, thereby creating lateral and vertical migration pathways which would not have otherwise existed in the absence of such ground disturbance.			
Potential Receptors	Current	During Construction	Future
On site commercial users, visitors, and trespassers (Human Health).	✓	✓	
Offsite occupants/residents (Human Health)	✓	✓	✓
Onsite residents (Human Health).			✓
Property including outbuildings, foundations and services (Built Environment).	✓	✓	✓
Adjacent property (Built Environment).	✓	✓	✓
Construction/groundworkers (Human Health)		✓	
Planting within landscaped areas and gardens (Built Environment).	✓		✓
Surface waters (Controlled Waters).	✓	✓	✓
Groundwater (Controlled Waters).	✓	✓	✓
Groundwater and Surface Water Abstraction Points.			

10. Environmental Risk Assessment

The risk of significant harm to human health or of pollution of controlled waters given the current and proposed future site uses has been assessed qualitatively as low, medium or high, see **Appendix III**. A risk estimation matrix for all pollutant linkages identified is shown below;

Very Low	Low	Low to Medium	Medium	Medium to High	High
Current Site Status					
Potential related sources	Pathways	Receptors	Stage	Risk	Discussion
Soil (including Made Ground)	Direct contact, ingestion, inhalation of dusts and/or fibres	Human Health – Current site users, Future ground workers and Future residents	Current Site	Low	Residual contamination may exist beneath the site associated with the site's historic use as a works. The current site is secured with access restricted to authorised personnel, although unauthorised trespassing may occur. Any occupation of the site would be limited in frequency and duration with site activities excluding significant soil disturbance. No access to undeveloped areas of the site are available to users of the retail units.
			During construction/groundworks	Low	Residual contamination may exist beneath the site associated with the site's historic use as a works. Potential for contact during construction/groundworks. Workers must be subject to a suitable or sufficient risk assessment and be provided with and make use of appropriate PPE.
			Future Proposed Site	Low to Medium	Residual contamination may exist beneath the site associated with the site's historic use as a works. The future proposed site will include private gardens and landscaped areas. An intrusive ground investigation would allow for the risk to be determined with greater certainty.
	Lateral and horizontal migration of mobile contaminants via groundwater	Controlled Waters – Surface Waters and Bedrock Aquifer (groundwater)	Current Site	Low	Residual contamination may exist beneath the site associated with the site's historic use as a works. The site is underlain by low permeability Devensian Till deposits which would limit vertical and lateral migration, although the site is situated on a steep slope. However, the site is covered largely by hardstanding including concrete surfacing in the north and the existing building in the south which would restrict surface water infiltration thereby limiting contaminant mobilisation.
			During construction/groundworks	Low	Residual contamination may exist beneath the site associated with the site's historic use as a works. Groundworks could allow for the mobilisation of contaminants allowing on and off-site migration. The site is underlain by low permeable Devensian Till which would restrict lateral and vertical contaminant migration.
			Future Proposed Site	Low	Residual contamination may exist beneath the site associated with the site's historic use as a works. The site is underlain by low permeability Devensian Till deposits which would limit vertical and lateral migration, although the site is situated on a steep slope. Following redevelopment, the site would be covered largely by hardstanding which would restrict surface water infiltration thereby limiting contaminant mobilisation.
	Direct contact	Flora and Fauna – Current and future plants and animals present on or utilising the site	Current Site and during construction/groundworks	Low	Limited areas of soft landscaping are currently present on site, vegetation present appeared healthy with no evidence of vegetation stress noted.
			Future Proposed Site	Low	Private gardens are proposed for the site. There is potential for contaminants which may cause problems for flora and fauna. An intrusive ground investigation would allow for the risks to be determined with greater certainty.
	Ground gas generation - infilled land / Made Ground	Migration of harmful and/or explosive gas/vapours	Human Health – Current site users, Future ground workers and Future residents	Current Site	Low
During construction/groundworks				Low	Potential residual sources of ground gas have been identified within a plausible migration distance from the site. The current site is surfaced by a mix of hardstanding/buildings and soft landscaping, with soft landscaping allowing diffusion of gas build-up under natural atmospheric conditions. During construction/groundworks groundworkers should be provided with PPE to protect from gas accumulation within below ground excavations. Workers must be subject to a suitable or sufficient risk assessment and be provided with and make use of appropriate PPE.
Future Proposed Site				Low to Medium	Potential residual sources of ground gas have been identified within a plausible migration distance from the site. The current site is surfaced by a mix of hardstanding/buildings and soft landscaping, with soft landscaping allowing diffusion of gas build-up under natural atmospheric conditions. The site is to be redeveloped to comprise 5 No. new-build residential properties with associated garden areas and a conversion to the upper floor of the existing property to create 4 No. apartments. The risk from ground gas should be considered during further intrusive ground investigations.
Property - residential Properties and services			Current Site and during construction/groundworks	Low	Potential residual sources of ground gas have been identified within a plausible migration distance from the site. The current site is surfaced by a mix of hardstanding/buildings and soft landscaping, with soft landscaping allowing diffusion of gas build-up under natural atmospheric conditions. Sources of ground gas considered to represent the greatest risk are situated upgradient of the site and ground gas is unlikely to migrate a significant distance down gradient towards the existing building.
			Future Proposed Site	Low to Medium	Potential residual sources of ground gas have been identified within a plausible migration distance from the site. The current site is surfaced by a mix of hardstanding/buildings and soft landscaping, with soft landscaping allowing diffusion of gas build-up under natural atmospheric conditions. The site is to be redeveloped to comprise 5 No. new-build residential properties with associated garden areas and a conversion to the upper floor of the existing property to create 4 No. apartments. The risk from ground gas should be considered during further intrusive ground investigations.
			Overall Environmental Risk		

11. Conclusions

Current site description	The site comprises undeveloped (brownfield land in the northern part with an existing partially occupied three storey (former Reform Club) stone-built property to the south. The undeveloped land is accessed by vehicle from the north off Delph Street through a locked gated entrance by authorised persons only. The boundaries of this area are defined by metal fencing and a retaining wall, to the south of which is the existing property on site. During the site inspection, snow covered the site preventing full inspection of site surfacing, however, based on available information and observations made during the site inspection, it is understood surfacing across the undeveloped area comprised a mix of concrete hardstanding with soft landscaping vegetated with occasional trees, rough grassland and shrubs around the periphery. The existing property on site is occupied by operational retail properties on ground floor with the upper floors being utilised for storage. REL understand that only the upper floor to which access can be gained via a bridge leading from the undeveloped area of the site is being considered for redevelopment for a residential use. Japanese Knotweed is known to have been previously identified on site which has undergone treatment.
Geological	Significant deposits of Made Ground are not recorded on site, although localised areas of Made Ground may be present within the site boundaries particularly on the southern extent of the undeveloped part of the site, north of the retaining wall, associated with land raising/levelling. The site is recorded as being underlain by Devensian Till, although these deposits may have been removed in part particularly in the southern part of the site in which the existing building is positioned. Solid deposits comprise Sandstone.
Hydrogeological and hydrological	The site is located Source Protection Zone 2 (Outer Zone). The site is underlain by superficial deposits classified as an Unproductive Aquifer with solid deposits underlying the site classified as a Secondary (A) Aquifer. There are three active groundwater abstraction licences recorded within 1km of the subject site. The nearest groundwater abstraction is recorded 509m to the southeast at Colliery Shaft, and relates to an abstraction used for Public Water Supply, operated by United Utilities Ltd. No watercourses are recorded onsite. The River Beal is situated 100m to the southwest. The site is upgradient of this watercourse.
Historical	From earliest mapping dated 1851, the site is shown to comprise undeveloped land until mapping dated 1893, when a building denoted as a Reform Club occupies the southern part of the site. Mapping dated from 1930 shows the northern part of the site to comprise a Bowling Green. A works building is constructed in the northeastern part of the site prior to 1968 which is shown to have expanded by mapping dated 1988. The site is shown in its current layout from mapping dated 2023. Potentially contaminative land uses identified within the surrounding area include quarries (potentially infilled), mills, gas works, railway lines, grave yard, soap and candle works, laundry, engineering works, town yard and electricity sub-station
Environmental Risk Assessment	The environmental risk arising from the ground condition at the subject site when taking into account the sites current status and usage is Low to Medium.
Redevelopment Risk Assessment	For a residential with homegrown produce usage, the potential environmental risk to arising from the ground conditions is Low to Medium. In conjunction with the recommendations outlined in Section 12, it is the opinion of REL, that any issues identified should not preclude the future redevelopment of the site.
Geotechnical Comments	Shallow bedrock may be present to the south, although some Made Ground may exist immediately to the north of the retaining wall. The extent of the former quarry which appears to have been present adjacent to the northwest is not known. The potential for this quarry to extend on site should be considered during future intrusive investigations.

12. Recommendations

As part of the proposed redevelopment, we recommend that the client undertakes the following action:

Environmental	Prior to redevelopment, targeted environmental sampling from areas of future gardens and soft landscaping, including soil, leachate and/or water samples should be collected and tested to confirm the absence of a significant risk to human health and/or sensitive receptors.
Geotechnical	Where development is proposed, an intrusive ground investigation would be required to allow for the collection of geotechnical data, to be used to inform future foundation design.
Ground Gas	Where sensitive land uses (i.e. buildings) are proposed, gas monitoring would be required to quantify the risk posed by potential ground gas sources present within a plausible migration distance of the site. Alternatively, discussion couldn't be undertaken with the Local Authority to determine if the installation of basic in lieu of gas monitoring may be prudent.
Ecological	A request should be made to obtain proof of warranties/guarantees relating to the treatment of Japanese Knotweed. Should any evidence of re-growth and/or new areas of Japanese Knotweed be identified, advice must be obtained from a suitably qualified consultant. No groundworks should be undertaken in areas in which active/viable Japanese Knotweed is present or suspected.
Flooding and Drainage	Drainage design would need to be considered as part of development planning to ensure development works pose no unacceptable increase in flood risk to site or off-site receptors.
Construction Considerations	Construction and maintenance work should be subject to risk assessment. Workers should use appropriate procedures and to manage residual risk from exposure to materials on site.

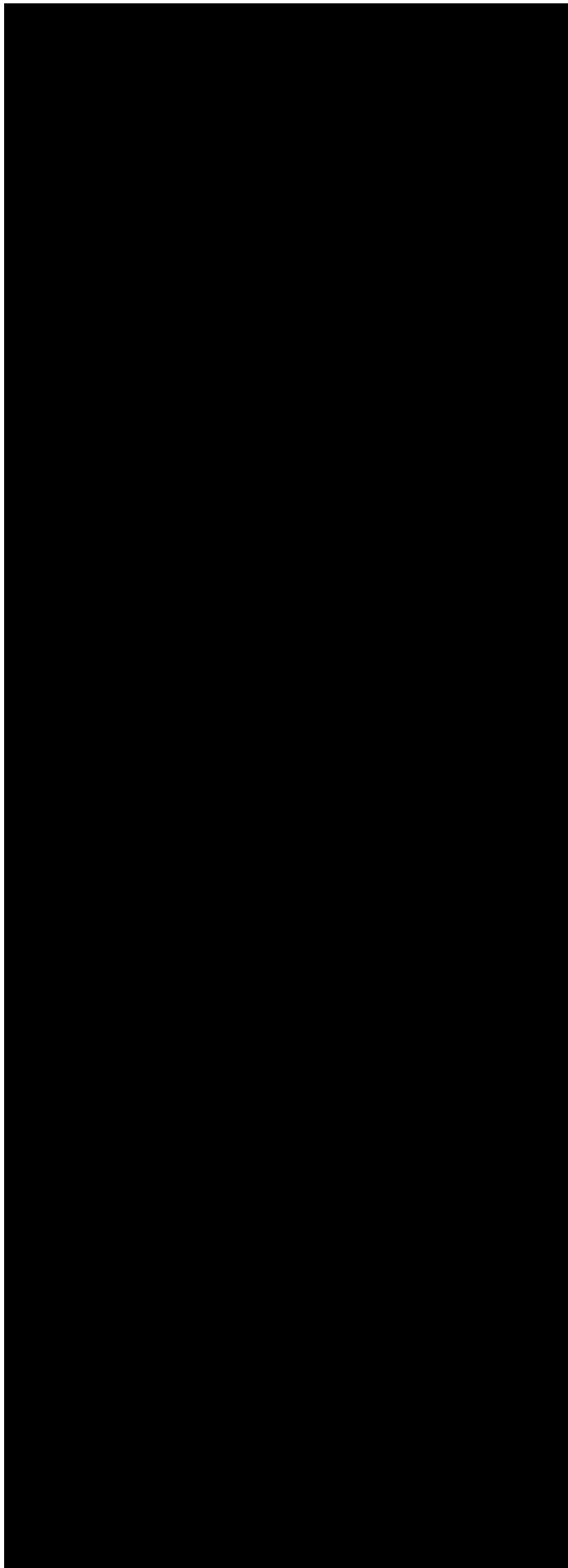
Definitions and Reservations used in this report are presented in **Appendix III**.

APPENDIX I

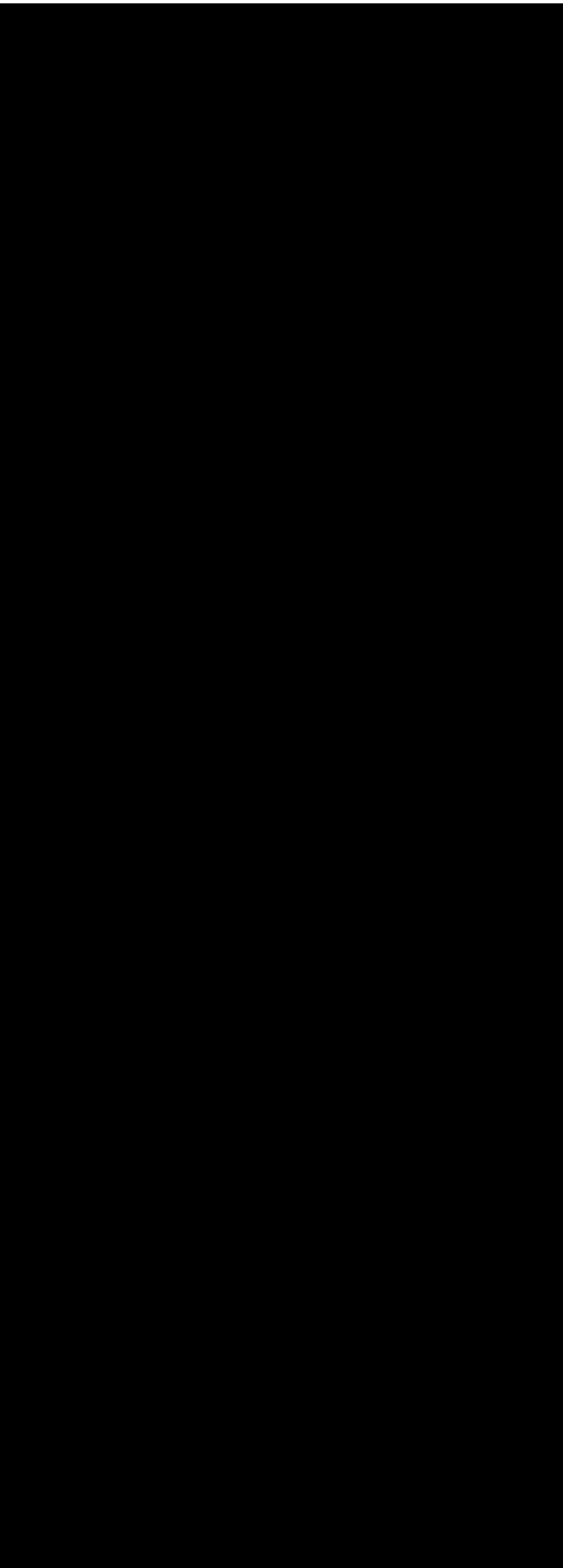
HISTORICAL MAPPING

Historical Mapping Legends

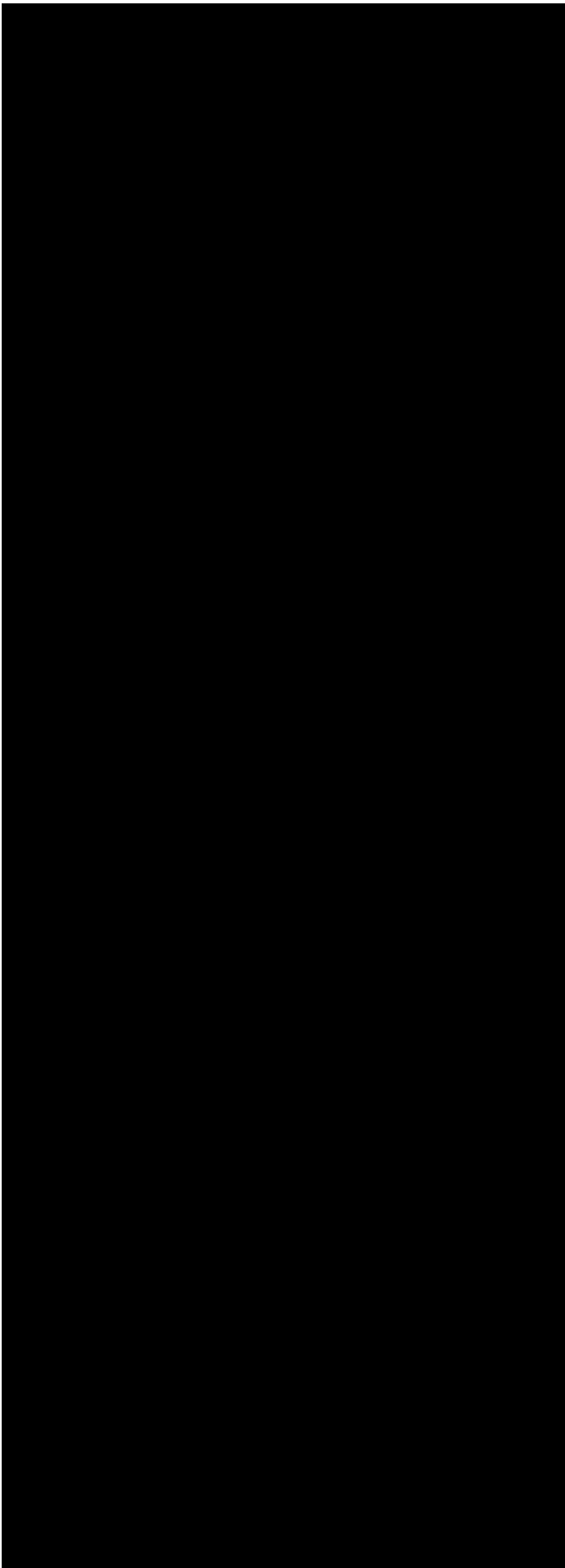
Ordnance Survey County Series and
Ordnance Survey Plan 1:2,500



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



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

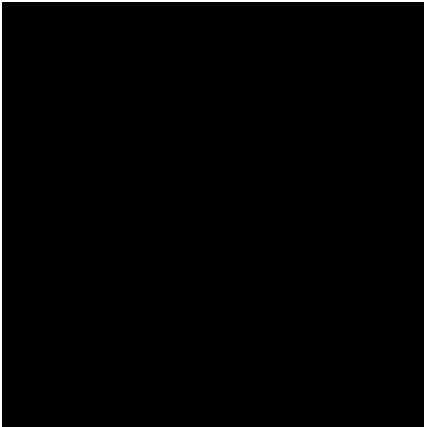


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ENVIRONMENTAL LTD

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1930	4
Lancashire And Furness	1:2,500	1936	5
Ordnance Survey Plan	1:1,250	1955 - 1956	6
Ordnance Survey Plan	1:2,500	1955 - 1956	7
Ordnance Survey Plan	1:1,250	1967 - 1975	8
Ordnance Survey Plan	1:2,500	1970	9
Supply of Unpublished Survey Information	1:1,250	1973 - 1975	10
Supply of Unpublished Survey Information	1:1,250	1975	11
Additional SIMs	1:1,250	1977 - 1988	12
Ordnance Survey Plan	1:1,250	1980 - 1989	13
Additional SIMs	1:1,250	1986 - 1988	14
Large-Scale National Grid Data	1:1,250	1992	15
Large-Scale National Grid Data	1:1,250	1992 - 1994	16
Large-Scale National Grid Data	1:1,250	1995	17
Large-Scale National Grid Data	1:1,250	1996	18
Historical Aerial Photography	1:2,500	2000	19

Historical Map - Segment A13



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



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



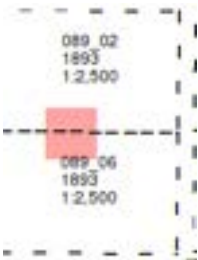
Lancashire And Furness

Published 1893

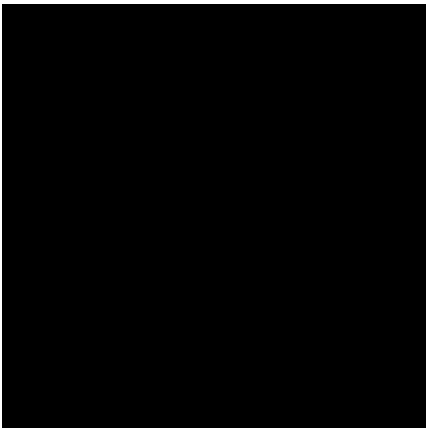
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Map Name(s) and Date(s)



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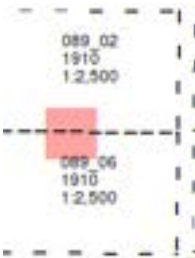
Lancashire And Furness

Published 1910

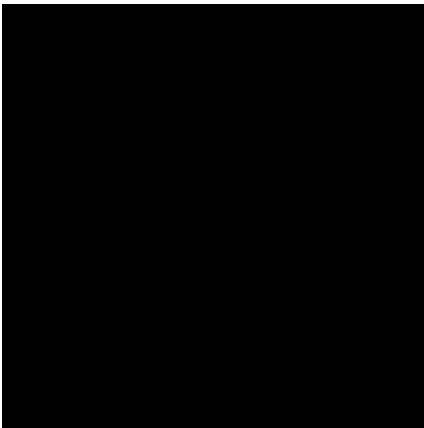
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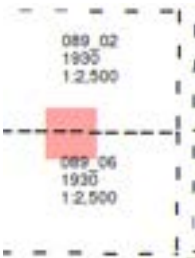
Lancashire And Furness

Published 1930

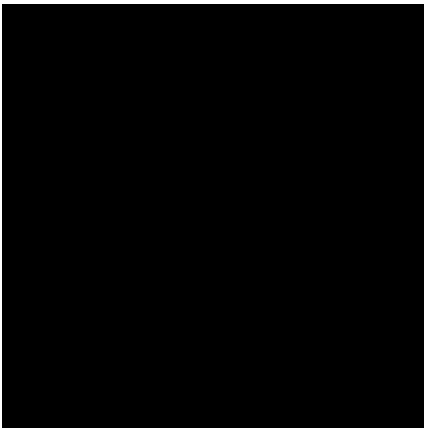
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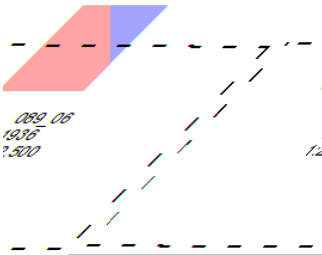
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Published 1936

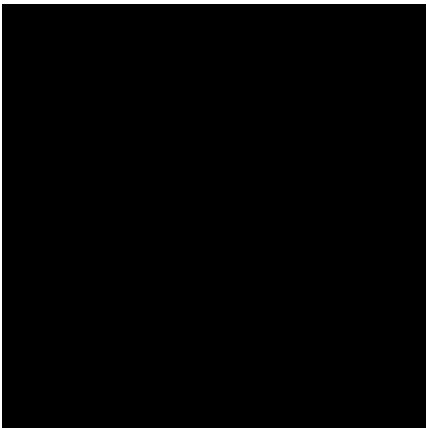
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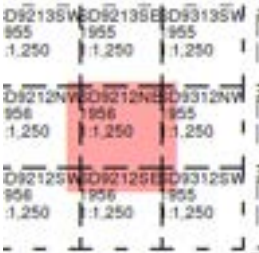
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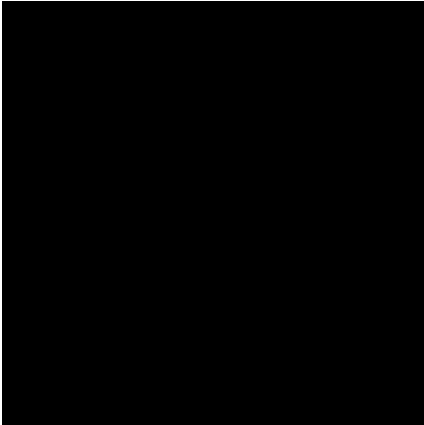
Ordinance Survey Plan
Published 1955 - 1956
Source map scale - 1:1,250

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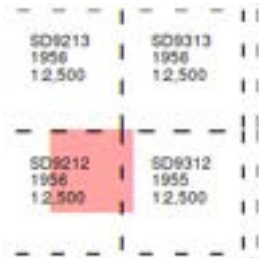
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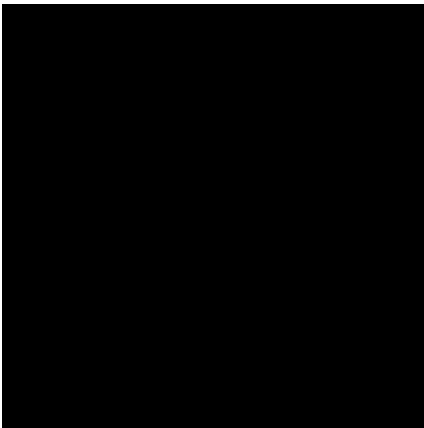
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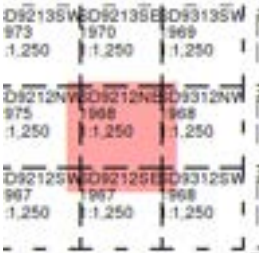
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Published 1967 - 1975

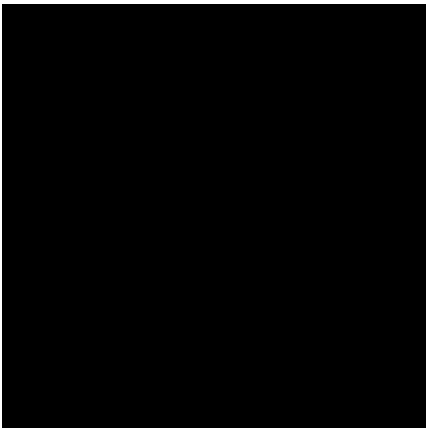
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Search Buffer (m): 100

Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



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



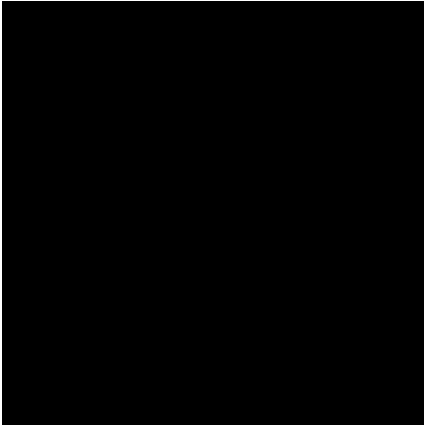
Ordinance Survey Plan
Published 1970
Source map scale - 1:2,500

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: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



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



Source map scale - 1:1,250

Map Name(s) and Date(s)



Site Details

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Supply of Unpublished Survey Information

Published 1975

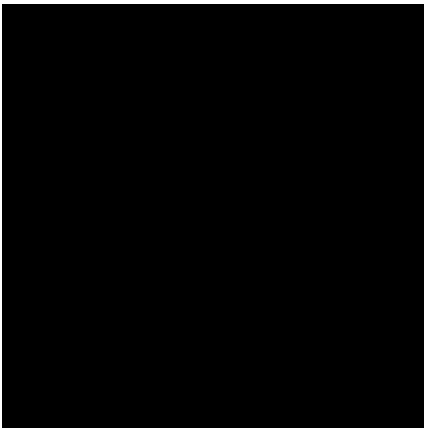
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
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Site Details

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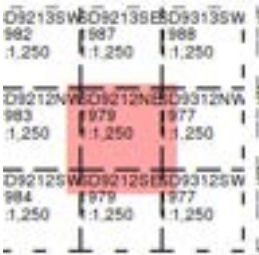
Additional SIMs

Published 1977 - 1988

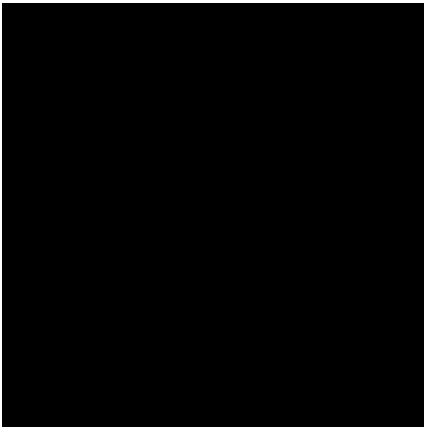
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



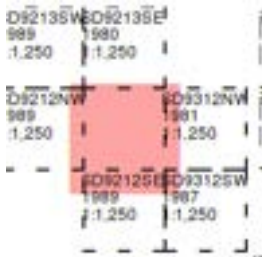
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



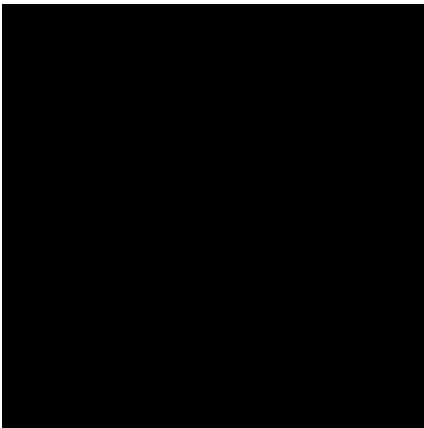
Ordinance Survey Plan
Published 1980 - 1989
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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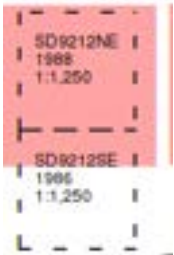
Additional SIMs

Published 1986 - 1988

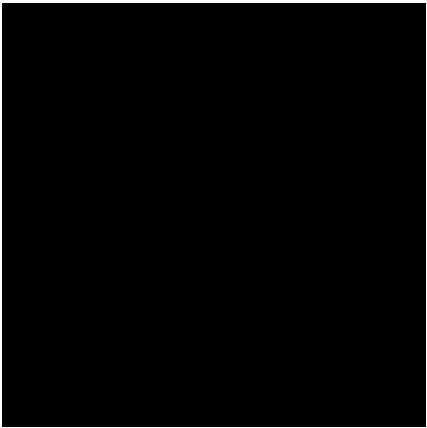
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

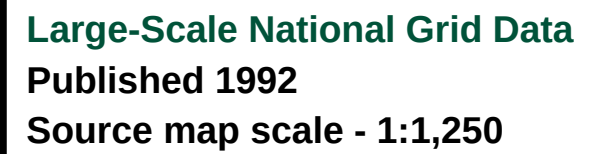
Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE

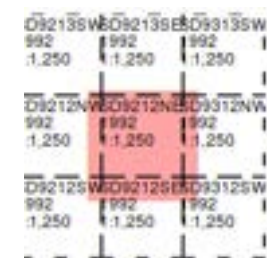


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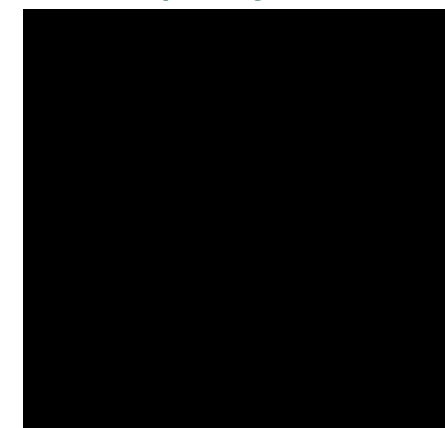


'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

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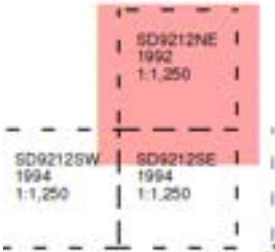
Large-Scale National Grid Data

Published 1992 - 1994

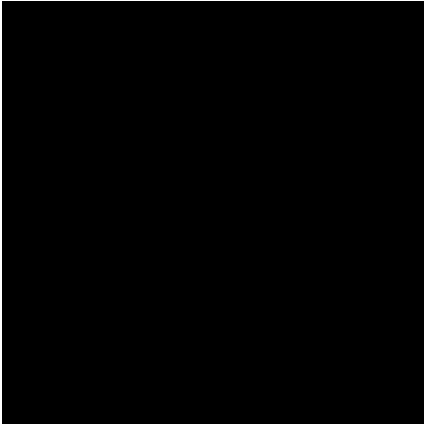
Source map scale - 1:1,250

'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

Order Number: 330882563_1_1
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National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
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Site Details

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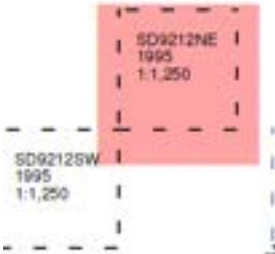
Large-Scale National Grid Data

Published 1995

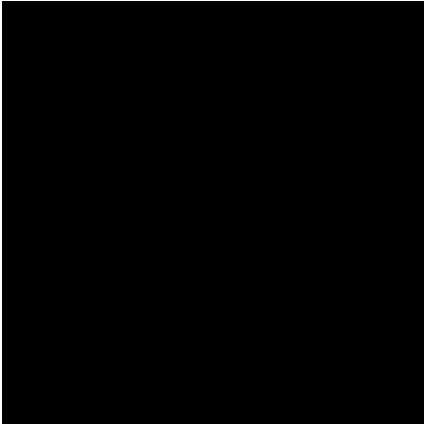
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1996

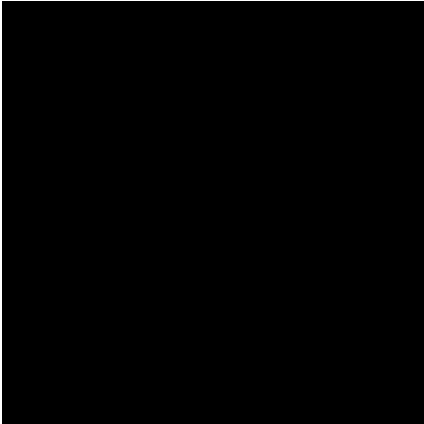
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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Site Details

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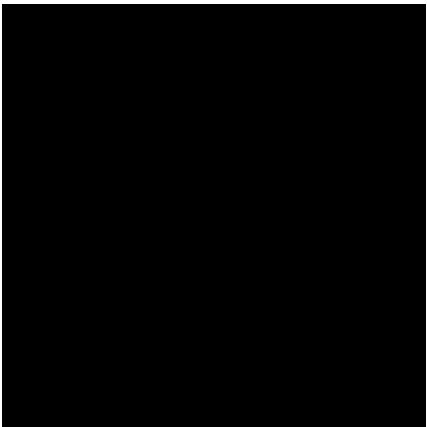


Historical Aerial Photography

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: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 100

Site Details

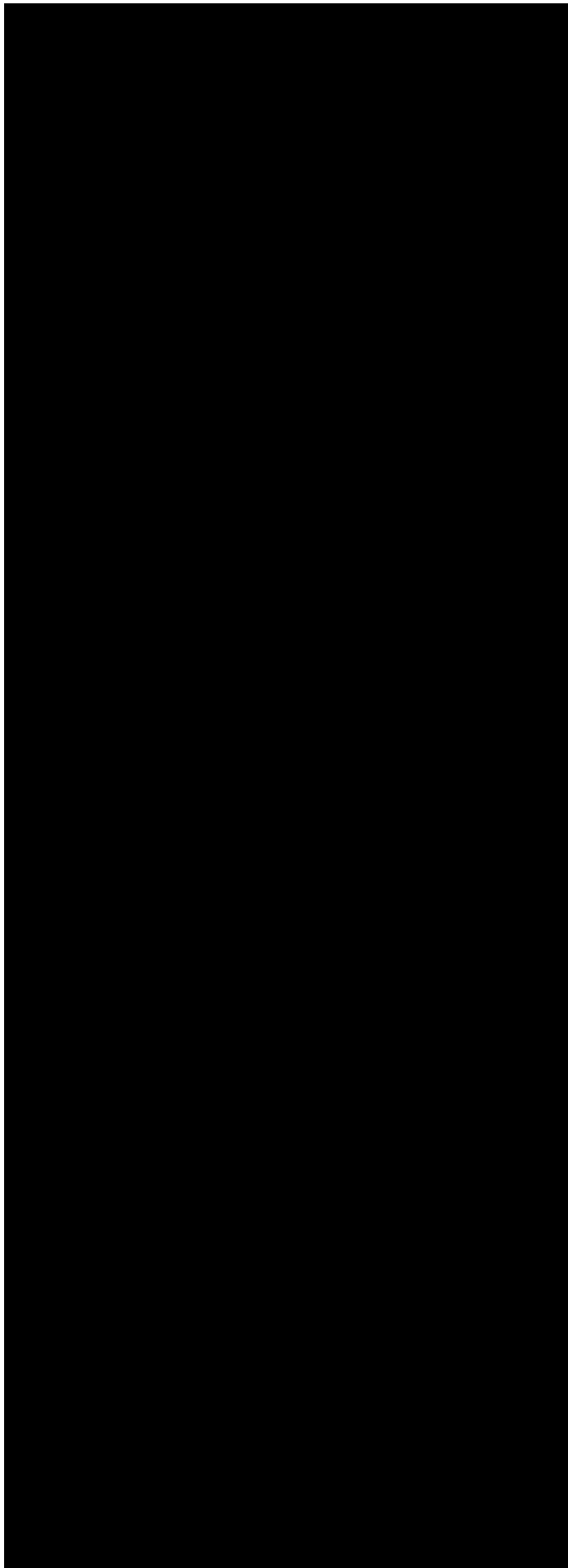
Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



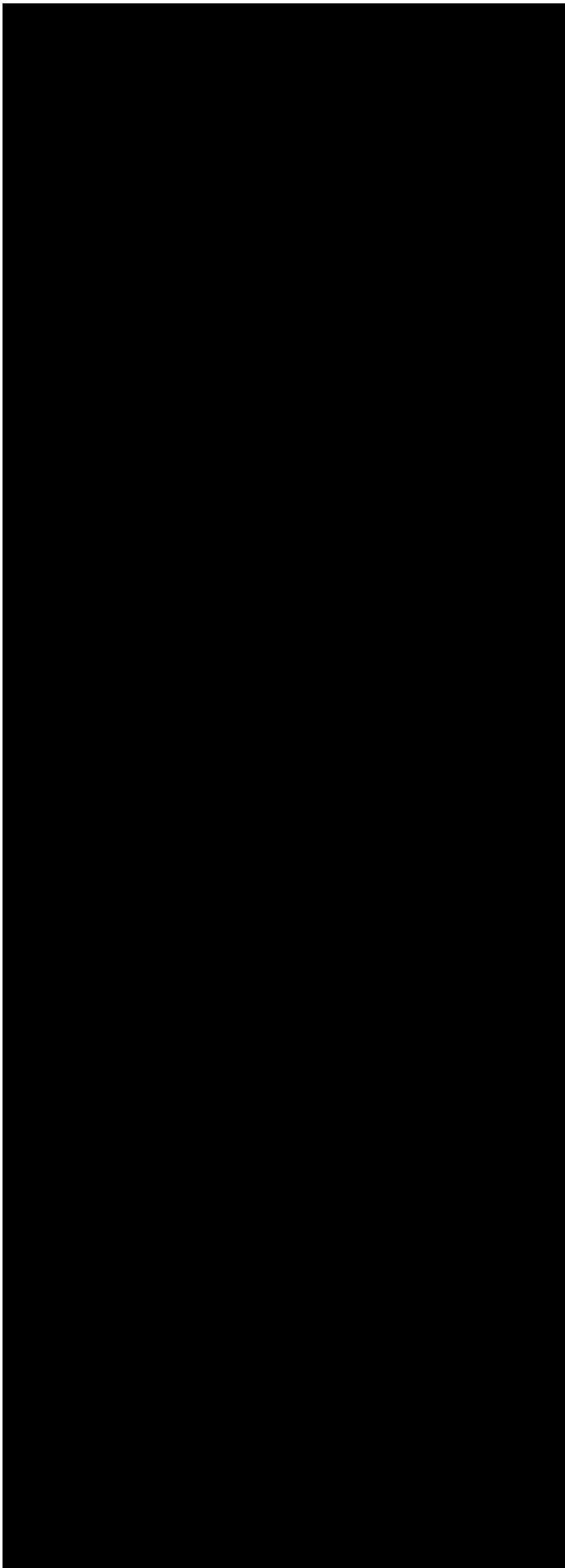
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Historical Mapping Legends

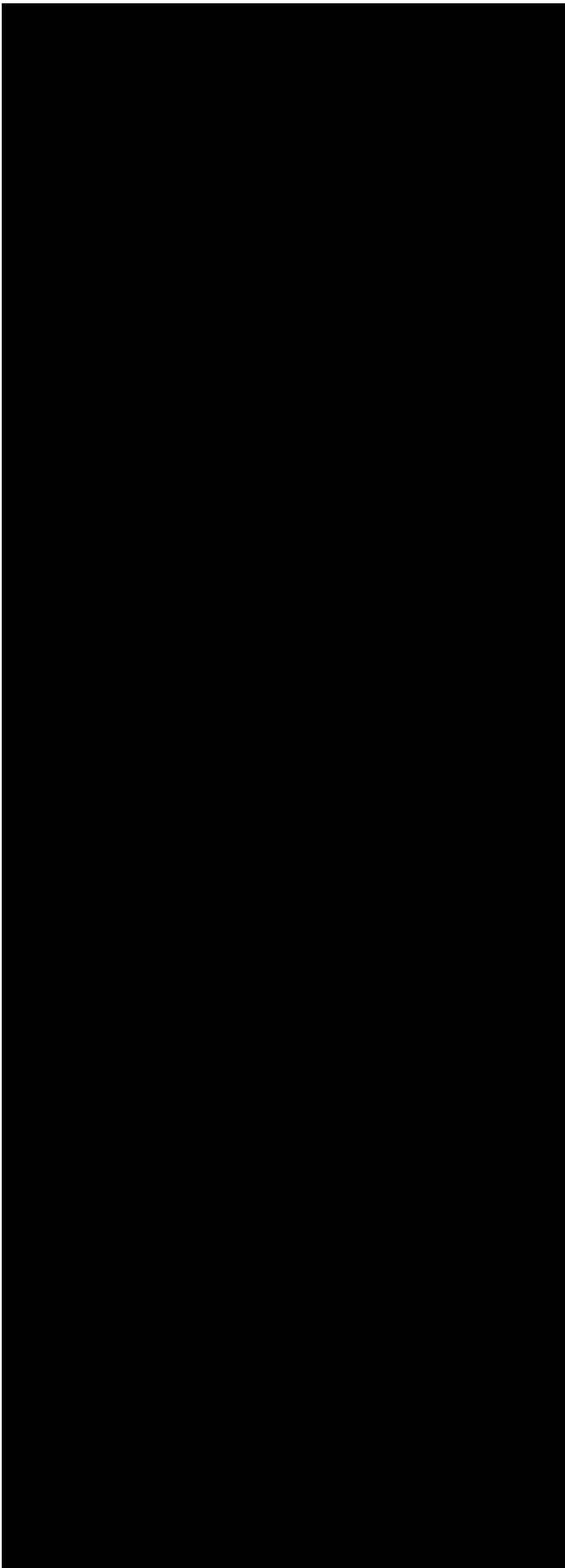
Ordnance Survey County Series 1:10,560



Ordnance Survey Plan 1:10,000



1:10,000 Raster Mapping

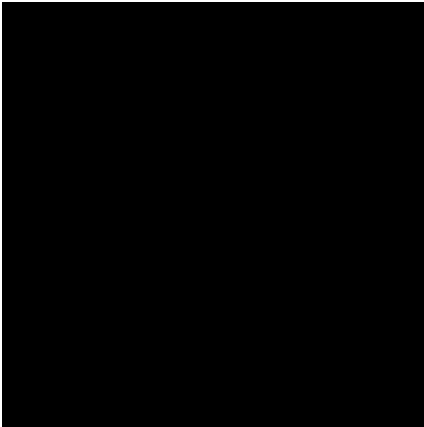


ROBERTS
ENVIRONMENTAL LTD

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
Yorkshire	1:10,560	1895	6
Lancashire And Furness	1:10,560	1910	7
Yorkshire	1:10,560	1910	8
Yorkshire	1:10,560	1910	9
Lancashire And Furness	1:10,560	1931	10
Lancashire And Furness	1:10,560	1938	11
Ordnance Survey Plan	1:10,000	1956	12
Ordnance Survey Plan	1:10,000	1967	13
Manchester	1:25,000	1975	14
Ordnance Survey Plan	1:10,000	1979	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2023	18

Historical Map - Slice A



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

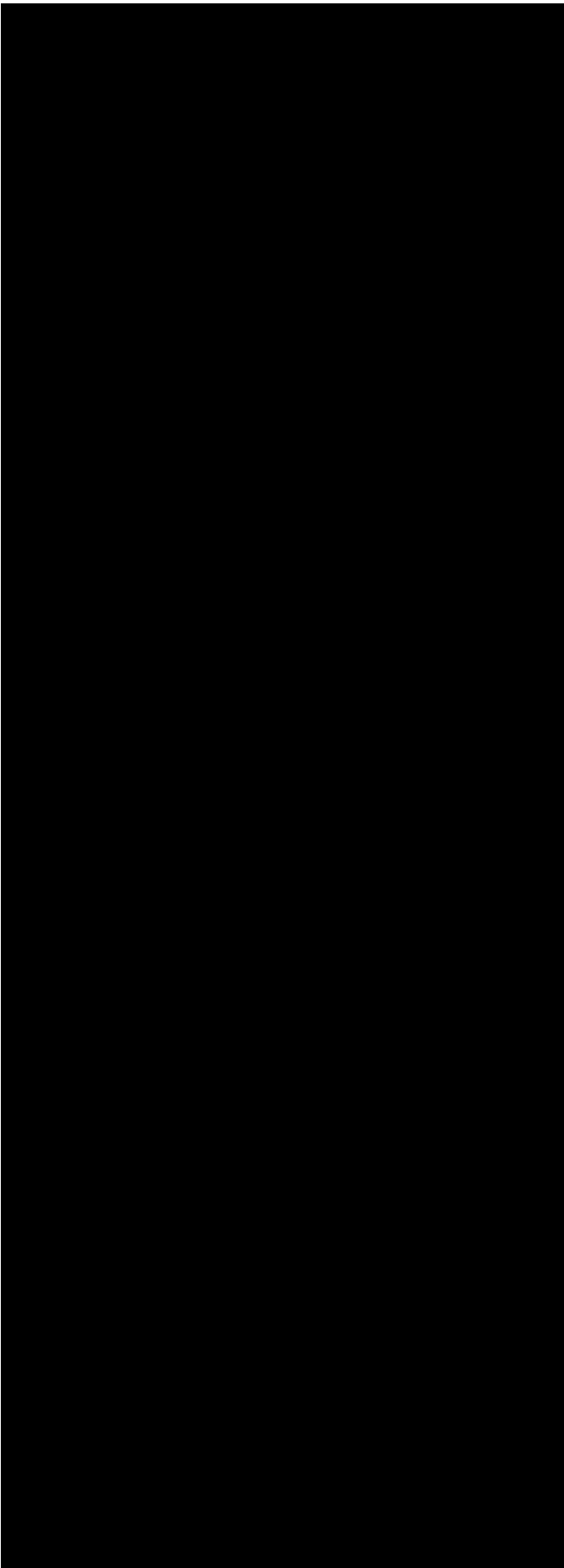
Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



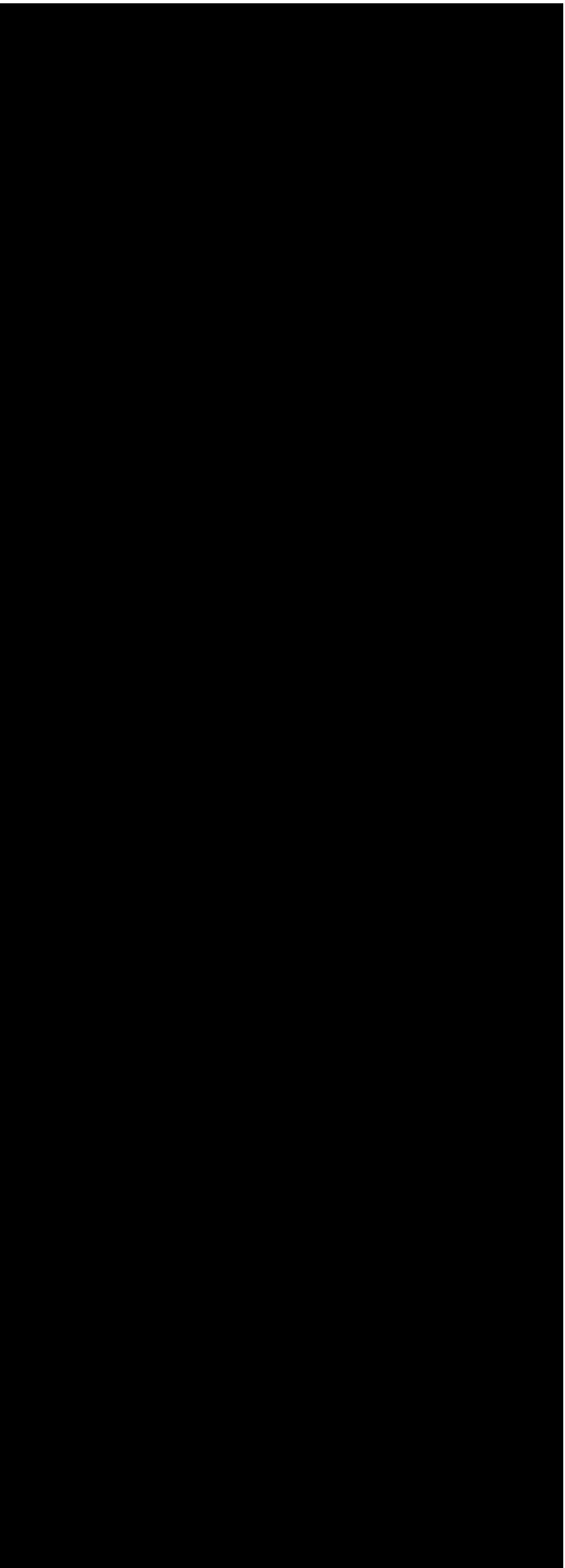
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Russian Military Mapping Legends

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



1:25,000 mapping



Key to Numbers on Mapping

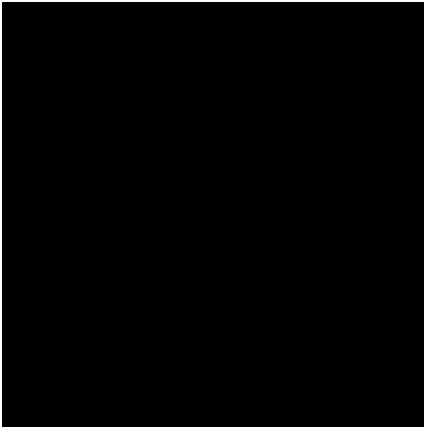


ROBERTS
ENVIRONMENTAL LTD

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
Yorkshire	1:10,560	1895	6
Lancashire And Furness	1:10,560	1910	7
Yorkshire	1:10,560	1910	8
Yorkshire	1:10,560	1910	9
Lancashire And Furness	1:10,560	1931	10
Lancashire And Furness	1:10,560	1938	11
Ordnance Survey Plan	1:10,000	1956	12
Ordnance Survey Plan	1:10,000	1967	13
Manchester	1:25,000	1975	14
Ordnance Survey Plan	1:10,000	1979	15
10K Raster Mapping	1:10,000	1999	16
10K Raster Mapping	1:10,000	2006	17
VectorMap Local	1:10,000	2023	18

Russian Map - Slice A



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
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Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



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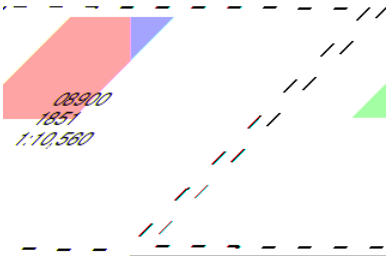
Lancashire And Furness

Published 1851

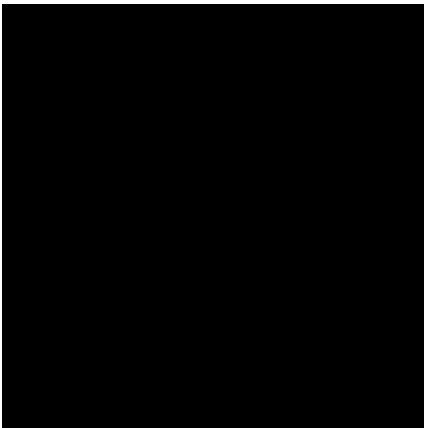
Source map scale - 1:10,560

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: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



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Lancashire And Furness

Published 1894

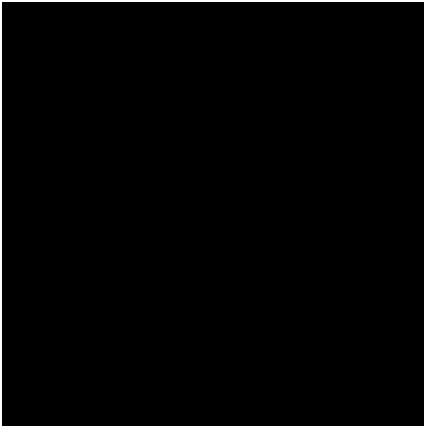
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
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Site Details

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Lancashire And Furness

Published 1910

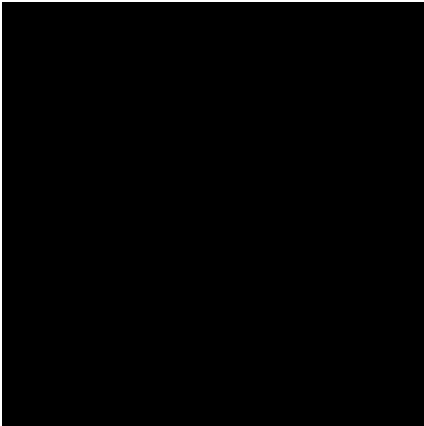
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
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Lancashire And Furness

Published 1931

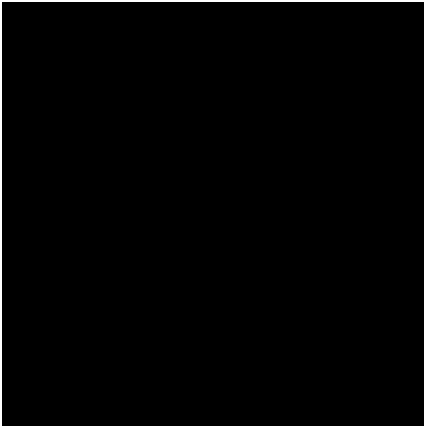
Source map scale - 1:10,560

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

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Lancashire And Furness

Published 1938

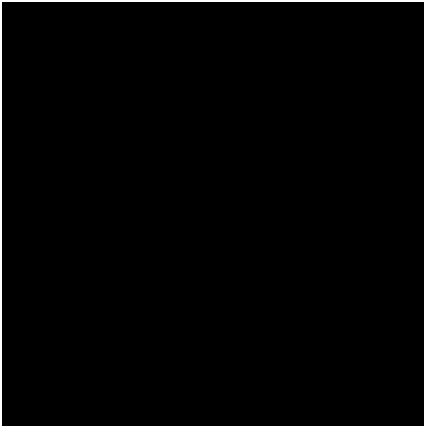
Source map scale - 1:10,560

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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Slice: A
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Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



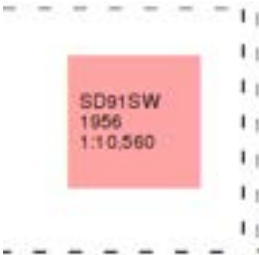
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



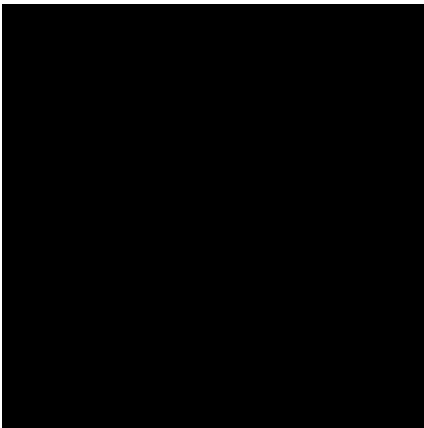
Ordnance Survey Plan
Published 1956
Source map scale - 1:10,000

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.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



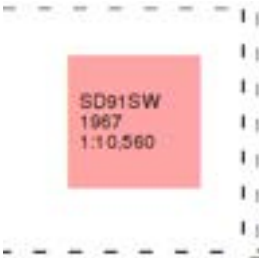
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



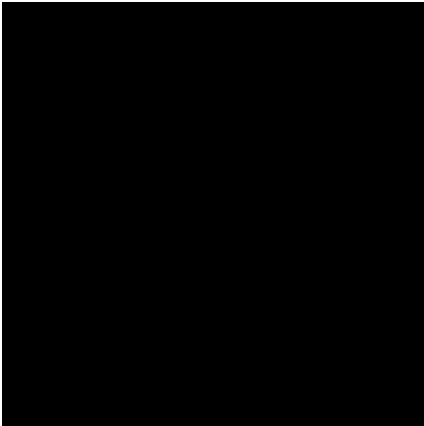
Ordnance Survey Plan
Published 1967
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

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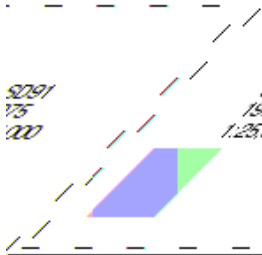
Manchester

Published 1975

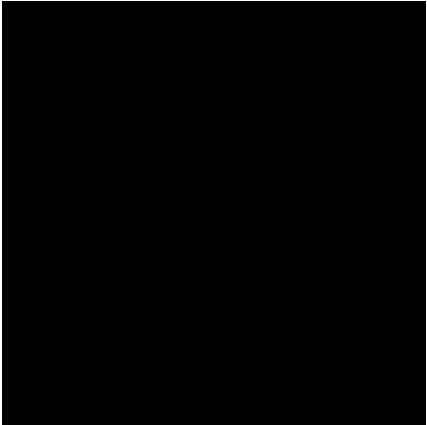
Source map scale - 1:25,000

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

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



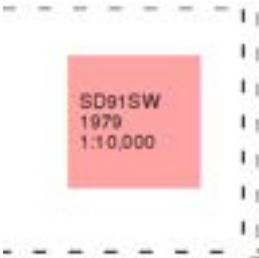
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



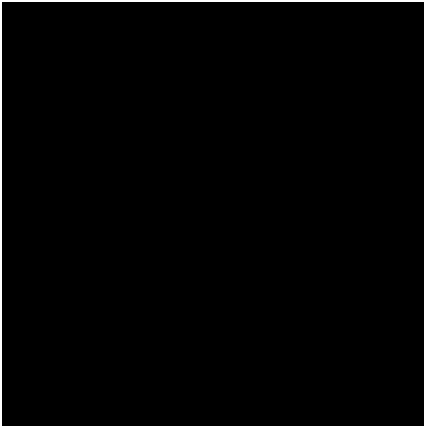
Ordnance Survey Plan
Published 1979
Source map scale - 1:10,000

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

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Historical Map - Slice A



Order Details

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Customer Ref: 240105
National Grid Reference: 392750, 412690
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Site Area (Ha): 0.19
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Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



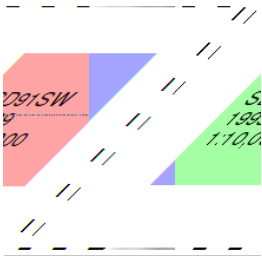
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



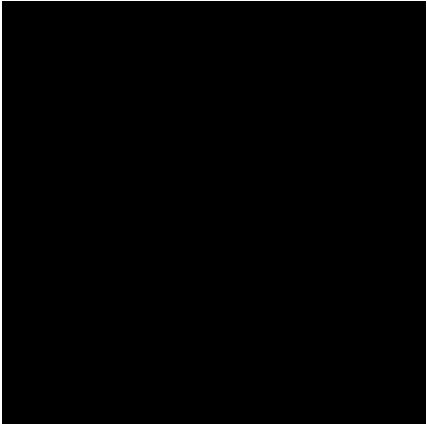
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
Search Buffer (m): 1000

Site Details

Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



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



10k Raster Mapping
Published 2006
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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Customer Ref: 240105
National Grid Reference: 392750, 412690
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Site Area (Ha): 0.19
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Land at Delph Street, Milnrow, ROCHDALE, OL16 3LE



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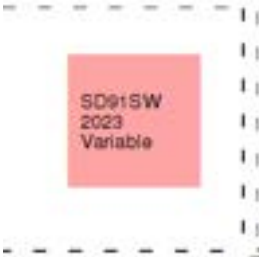
VectorMap Local

Published 2023

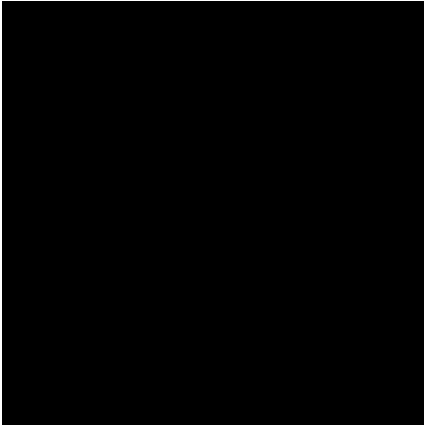
Source map scale - 1:10,000

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



Order Details

Order Number: 330882563_1_1
Customer Ref: 240105
National Grid Reference: 392750, 412690
Slice: A
Site Area (Ha): 0.19
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Site Details

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APPENDIX II

SUPPORTING INFORMATION



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

330882563_1_1

Customer Reference:

240105

National Grid Reference:

392750, 412690

Slice:

A

Site Area (Ha):

0.19

Search Buffer (m):

1000

Site Details:

Land at Delph Street

Milnrow

ROCHDALE

OL16 3LE

Client Details:

Mr J Roberts

Roberts Environmental Ltd

1 Croft Stairs

Newcastle Upon Tyne

NE1 2HG

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	26
Hazardous Substances	-
Geological	34
Industrial Land Use	54
Sensitive Land Use	66
Data Currency	67
Data Suppliers	74
Useful Contacts	75

Introduction

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2	1	1	1	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 5			2	2
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5		8	13	16
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 12		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 12			1	4
Water Abstractions	pg 12		2		12 (*13)
Water Industry Act Referrals	pg 19		1		
Groundwater Vulnerability Map	pg 19	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 19	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 19	2		1	3
Extreme Flooding from Rivers or Sea without Defences	pg 20		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 20		Yes	n/a	n/a
Areas Benefiting from Flood Defences	pg 20		Yes	n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 20		Yes	n/a	n/a
OS Water Network Lines	pg 21		6	6	29

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites	pg 26				1
Historical Landfill Sites	pg 26			2	8
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 28				1
Licensed Waste Management Facilities (Locations)	pg 28				2
Local Authority Landfill Coverage	pg 28	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 28		1	3	6
Potentially Infilled Land (Water)	pg 29		6	1	14
Registered Landfill Sites	pg 30			1	4
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 33				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					

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 34	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 34	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 51		1	2	4
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 52	Yes	n/a	n/a	n/a
Mining Instability	pg 52	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 52	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 52		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 52	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 53	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 53	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 54	1	22	20	26
Fuel Station Entries	pg 60			1	
Points of Interest - Commercial Services	pg 60		2	8	11
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 61	1	8	4	9
Points of Interest - Public Infrastructure	pg 63			6	11
Points of Interest - Recreational and Environmental	pg 65			2	3
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 66			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	A13SW (W)	0	1	392749 412690
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (S)	10	1	392749 412650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	124	1	392800 412550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	143	1	392650 412550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	149	1	392900 412600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	177	1	392600 412550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	238	1	393000 412600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	242	1	392500 412600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	324	1	393100 412650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	339	1	392400 412600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	340	1	392550 413000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (NW)	409	1	392500 413050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	425	1	392450 412350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (SW)	434	1	392500 412300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	459	1	392400 412350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	463	1	392450 412300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	474	1	393250 412650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	495	1	392400 412300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Lily Street, Milnrow, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Beal Reference: 01ROC0036 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th May 2007 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Beal Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A13SW (S)	0	2	392750 412680
2	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Water Street, Milnrow, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01ROC0037 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 22nd June 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Beal Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A13NW (W)	126	2	392600 412710
3	Discharge Consents Operator: C. Norris (Spring Specialists) Ltd Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: C Norris Ltd, Ladyhouse Works, Milnrow, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990617 Permit Version: 1 Effective Date: 16th May 1985 Issued Date: Not Supplied Revocation Date: 3rd September 1991 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Beal Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A8NE (S)	486	2	392900 412200
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Ashes Lane Cso Rear Of 3 Bealcroft Walk, Ashes Lane, Milnrow, Rochdale, OI16 3xe Authority: Environment Agency, North West Region Catchment Area: Beal Reference: 01ROC0163 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Beal Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	644	2	392370 413245

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Ashes Lane Cso Rear Of 3 Bealcroft Walk, Ashes Lane, Milnrow, Rochdale, OL16 3xe Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982641 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: 31st August 2013 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Beal Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	648	2	392370 413250
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Ashes Lane Cso Rear Of 3 Bealcroft Walk, Ashes Lane, Milnrow, Rochdale, OL16 3xe Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982641 Permit Version: 2 Effective Date: 1st September 2013 Issued Date: 19th March 2010 Revocation Date: 31st March 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Beal Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	674	2	392338 413259
4	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Ashes Lane Cso Rear Of 3 Bealcroft Walk, Ashes Lane, Milnrow, Rochdale, OL16 3xe Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982641 Permit Version: 3 Effective Date: 1st April 2018 Issued Date: 12th March 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Beal Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	685	2	392331 413268
5	Discharge Consents Operator: J.W. Wilkinson Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Hollin Hall Kiln Lane, Milnrow, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991328 Permit Version: 1 Effective Date: 5th October 1988 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Butterworth Hall Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	713	2	393300 412200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: United Utilities Water Limited Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Whitfield Dr Sps Whitfield Drive, Milnrow, Rochdale, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993214 Permit Version: 1 Effective Date: 30th September 1997 Issued Date: Not Supplied Revocation Date: 7th June 2016 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Stanney Brook Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	742	2	392200 412150
7	Discharge Consents Operator: Ellen Road Trust Property Type: Not Given Location: Ellenroad, Ring Mill, BLACKBURN Authority: Environment Agency, North West Region Catchment Area: Upper Mersey Reference: 016991034B Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 1st April 1991 Revocation Date: Not Supplied Discharge Type: Trade Boiler Blowdown Effluent: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: Boiler Blowdown; Outlet To Watercourse; River Beal Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SW (S)	931	2	393100 411800
7	Discharge Consents Operator: Ellenroad Trust Limited Property Type: PUBLISHING ACTIVITIES/BOOK/NEWSPAPER/COMPUTER GAMES Location: Ellenroad Engine House, Elizabethan Way, Milnrow, Greater Manchester, O16 4lg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016991034 Permit Version: 2 Effective Date: 9th June 2010 Issued Date: 30th September 1985 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Beal Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A9SW (S)	931	2	393100 411800
7	Discharge Consents Operator: Ellenroad Trust Property Type: PUBLISHING ACTIVITIES/BOOK/NEWSPAPER/COMPUTER GAMES Location: Ellenroad Engine House, Elizabethan Way, Milnrow, Greater Manchester, O16 4lg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016991034 Permit Version: 1 Effective Date: 30th September 1985 Issued Date: Not Supplied Revocation Date: 8th June 2010 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Beal Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A9SW (S)	931	2	393100 411800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Ellenroad Trust Property Type: PUBLISHING ACTIVITIES/BOOK/NEWSPAPER/COMPUTER GAMES Location: Ellenroad Engine House, Elizabethan Way, Milnrow, Greater Manchester, OL16 4lg Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991034 Permit Version: 1 Effective Date: 30th September 1985 Issued Date: Not Supplied Revocation Date: 8th June 2010 Discharge Type: Trade Boiler Blowdown Effluent: Unspecified Discharge: Freshwater Stream/River Environment: Receiving Water: River Beal Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A9SW (S)	936	2	393100 411795
8	Local Authority Pollution Prevention and Controls Name: Milnrow Service Station Location: Newhey Road, Milnrow, ROCHDALE, Lancashire, OL16 4JD Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 103/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A8NE (SE)	459	3	393017 412287
8	Local Authority Pollution Prevention and Controls Name: Oxford Petrol Filling Station Location: Whitworth Road, ROCHDALE, Lancashire, OL12 6ER 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 address or location	A8NE (SE)	461	3	393018 412286
9	Local Authority Pollution Prevention and Controls Name: Caroles Clean Shop Location: Newhey Road, Milnrow, Rochdale Authority: Rochdale Metropolitan Borough Council, Environmental Health Department Permit Reference: 127/09 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	514	3	393058 412249
10	Local Authority Pollution Prevention and Controls Name: P G C Demolition & Excavation Location: 139 Rochdale Road, Fir Grove, Milnrow, ROCHDALE, Lancashire, OL16 3BU Authority: Oldham Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Given Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete Status: Authorisation revoked Positional Accuracy: Automatically positioned to the address	A17SW (NW)	846	4	392026 413178
	Nearest Surface Water Feature	A13SW (SW)	100	-	392675 412585
11	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Other Sewage Note: Not Supplied Incident Date: 13th July 1995 Incident Reference: 95621721 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	25	2	392700 412700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Beal; No Pollution Found Incident Date: 16th May 1995 Incident Reference: 95621136 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	26	2	392700 412695
12	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: River Beale, Milnthorpe, MILNTHORPE, Lancashire Authority: Environment Agency, North West Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 2nd August 1999 Incident Reference: 30874 Catchment Area: Beal Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	121	2	392605 412695
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: White Dye Incident Date: 10th May 1991 Incident Reference: 91620708 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	125	2	392600 412700
12	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Not Supplied Incident Date: 5th May 1995 Incident Reference: 95621810 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: In River Works Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	126	2	392600 412695
13	Pollution Incidents to Controlled Waters Property Type: Transport, Storage, Communications: Road Location: Milnrow, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Diesel Fuels Note: Not Supplied Incident Date: 21st May 1999 Incident Reference: 25219 Catchment Area: Beal Receiving Water: River Stretch (Freshwater) Cause of Incident: Human Actions : Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	159	2	392600 412800
14	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Beal; No Pollution Found Incident Date: 4th August 1995 Incident Reference: 95621990 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (S)	166	2	392700 412500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Unknown Incident Date: 13th February 1994 Incident Reference: 94620290 Catchment Area: Beal Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	225	2	392500 412700
16	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: P V A Adhesive Incident Date: 25th October 1993 Incident Reference: 93621997 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (S)	264	2	392700 412400
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Unknown Note: Not Supplied Incident Date: 6th July 1994 Incident Reference: 94621492 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Wrong Connection Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (S)	268	2	392705 412395
16	Pollution Incidents to Controlled Waters Property Type: Spillage; Accident - Static Site Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: River Beal; Drain Tracing Dye Incident Date: 23rd November 1993 Incident Reference: 93622167 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (S)	269	2	392700 412395
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Light Oil Note: Not Supplied Incident Date: 29th June 1994 Incident Reference: 94621427 Catchment Area: Beal 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 (S)	266	2	392800 412400
17	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Seen Incident Date: 30th May 1994 Incident Reference: 94621138 Catchment Area: Beal Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (S)	271	2	392800 412395

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Oil Note: Not Supplied Incident Date: 24th June 1994 Incident Reference: 94621384 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Inadequate Construction Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	286	2	392500 412500
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Beal; None Pollution Found Incident Date: 2nd February 1995 Incident Reference: 95620209 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	289	2	392500 412495
19	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Colour Note: River Beal Tributary Incident Date: 11th August 1995 Incident Reference: 95622063 Catchment Area: Beal 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)	302	2	392900 412400
20	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: 10 Stone Street, Milnrow Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Surfactants Note: Not Supplied Incident Date: 1st February 1999 Incident Reference: 643 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	361	2	392919 412344
21	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 8th August 1995 Incident Reference: 95622017 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	364	2	392800 412300
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Butterworth Hall Bk Incident Date: 16th August 1996 Incident Reference: 96621830 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	A14SW (SE)	371	2	393100 412500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Colour Note: Butterworth Hall; Drain Tracing Dye Incident Date: 13th April 1995 Incident Reference: 95620816 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	376	2	393000 413000
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: River Beal; No Pollution Found Incident Date: 4th May 1995 Incident Reference: 95621037 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NE (W)	436	2	392300 412800
25	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Seen Incident Date: 19th August 1994 Incident Reference: 94621902 Catchment Area: Beal Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (SE)	526	2	393000 412200
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Stanney Brook; No Pollution Found Incident Date: 7th August 1995 Incident Reference: 95622005 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	A7NE (SW)	567	2	392300 412300
27	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: Stanney Brook Incident Date: 31st July 1995 Incident Reference: 95621932 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Electrical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	637	2	392300 412200
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Butterworth Hall Incident Date: 17th April 1995 Incident Reference: 95620822 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	684	2	393400 412400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	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: Stanney Brook Incident Date: 13th September 1995 Incident Reference: 95622313 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	A7NE (SW)	708	2	392200 412200
29	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: Sewage Debris/Litter Note: Stanney Brook Incident Date: 4th May 1995 Incident Reference: 95621035 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Ineffective Pumping Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	712	2	392200 412195
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Oil Note: Not Supplied Incident Date: 25th August 1995 Incident Reference: 95622186 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	724	2	392200 413200
31	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: Not Supplied Incident Date: 21st May 1995 Incident Reference: 95621170 Catchment Area: Beal 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	A17SE (NW)	729	2	392300 413300
32	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: Stanney Brook Incident Date: 8th April 1995 Incident Reference: 95620758 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Ineffective Pumping Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	731	2	392100 412300
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Tributary Butterworth Incident Date: 11th April 1995 Incident Reference: 95620780 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Land Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	732	2	393400 412300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Seen Incident Date: 30th March 1994 Incident Reference: 94620580 Catchment Area: Beal Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	776	2	393500 412400
35	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: Butterworth Hall; None Pollution Found Incident Date: 5th April 1995 Incident Reference: 95620707 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NE (SE)	818	2	393500 412300
36	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: Sewage Debris/Litter Note: Stanney Brook Incident Date: 20th June 1995 Incident Reference: 95621472 Catchment Area: Roch Receiving Water: Not Given Cause of Incident: Electrical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (SW)	849	2	392100 412100
37	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: Fairgrove, ROCHDALE, Greater Manchester Authority: Environment Agency, North West Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 17th May 1999 Incident Reference: 27368 Catchment Area: Irk Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	852	2	392400 413500
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Oils - Other Fuel Oil Note: Butterworth Hall; Crude Oil Incident Date: 23rd November 1996 Incident Reference: 96622410 Catchment Area: Beal Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	901	2	393200 413500
39	Pollution Incidents to Controlled Waters Property Type: Spillage; Accident In Transit Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Other Organic Note: Butterworth Hall; Methanol Incident Date: 18th July 1995 Incident Reference: 95621793 Catchment Area: Beal 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	A9NE (SE)	929	2	393500 412100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Beal GQA Grade: River Quality C Reach: Piethorn Bk To Roch Estimated Distance (km): 5.2 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000	A13SW (W)	42	2	392688 412677
40	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 1st March 2019 Incident Reference: 1684221 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A8NE (SE)	427	2	393006 412319
41	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 25th March 2017 Incident Reference: 1510576 Water Impact: Category 3 - Minor Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material Pollutant: Specific Waste Materials: Commercial Waste Pollutant: Specific Waste Materials: Contaminated Construction & Demolition Material & Waste Pollutant: Specific Waste Materials: Household Waste	A8NW (SW)	522	2	392522 412187
42	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 25th November 2013 Incident Reference: 1178529 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water: Landfill Leachate	A9NE (SE)	760	2	393449 412329
43	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 2nd December 2020 Incident Reference: 1867943 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material	A19SW (NE)	761	2	393337 413208
44	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 11th June 2013 Incident Reference: 1121300 Water Impact: Category 1 - Major Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Inorganic Chemicals : Other	A8SE (S)	837	2	393000 411863
45	Water Abstractions Operator: Precision Components Limited Licence Number: 2569002175 Permit Version: 101 Location: Reservoir Fed By Springs At Premisesmilnrow Authority: Environment Agency, North West Region Abstraction: Breweries/Wine: General Cooling (Existing Licences Only) (High Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th November 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	74	2	392700 412600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	Water Abstractions Operator: Holroyd Machines Tools & Rotors Licence Number: 2569002175 Permit Version: 100 Location: Reservoir Fed By Springs At Premisesmilnrow 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): 55 Yearly Rate (m3): 16366 Details: Premises At Milnrow Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	74	2	392700 412600
46	Water Abstractions Operator: United Utilities Water Ltd Licence Number: 2569002206 Permit Version: 100 Location: Colliery Shaft @ Premises, Butterworth Hall, Milnrow 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: Groundwater Daily Rate (m3): 13638 Yearly Rate (m3): 3982296 Details: Colliery Shaft Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 1994 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	509	2	393200 412400
47	Water Abstractions Operator: Mr Yearsley Licence Number: 2569002256 Permit Version: Not Supplied Location: Croft Head Farm, Wild House Lane, MILNROW Authority: Environment Agency, North West Region Abstraction: Agricultural Spray Irrigation (Summer) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 34 Yearly Rate (m3): 6239 Details: Not Supplied 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	A18NW (N)	681	2	392700 413400
48	Water Abstractions Operator: Sonoco Industrial Packaging Licence Number: 2569002207 Permit Version: 100 Location: Reservoir Fed By Unnamed Trib Of Butterworth Hall Brk At 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): 16 Yearly Rate (m3): 4800 Details: Butterworth Hall Mill, Milnrow Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st February 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	789	2	393400 412200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	Water Abstractions Operator: Sonoco Industrial Packaging Licence Number: 2569002207 Permit Version: 100 Location: Reservoir Fed By Unnamed Trib Of Butterworth Hall Brk At Authority: Environment Agency, North West Region Abstraction: Commercial/Industrial/Public Services: 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: Butterworth Hall Mill, Milnrow Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st February 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	789	2	393400 412200
48	Water Abstractions Operator: Sonoco Industrial Packaging Licence Number: 2569002207 Permit Version: 100 Location: Reservoir Fed By Unnamed Trib Of Butterworth Hall Brk At Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Butterworth Hall Mill, Milnrow Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st February 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	789	2	393400 412200
49	Water Abstractions Operator: Ellenroad Trust Ltd Licence Number: 2569002064 Permit Version: 103 Location: R Beal At Newhey, Milnrow, 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 30th January 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	994	2	393000 411700
49	Water Abstractions Operator: Ellenroad Trust Ltd Licence Number: 2569002064 Permit Version: 101 Location: R Beal At Newhey, Milnrow, 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Bentgate Street, Newhey, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	994	2	393000 411700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	Water Abstractions Operator: Ellenroad Trust Ltd Licence Number: 2569002064 Permit Version: 102 Location: R Beal At Newhey, Milnrow, 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 11th September 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	994	2	393000 411700
49	Water Abstractions Operator: Sun Chemical Ltd Licence Number: 2569002233 Permit Version: 102 Location: R Beal At Milnrow Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Ellenroad Ring Mill Site Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	994	2	393000 411700
49	Water Abstractions Operator: Coates Lorilleux Licence Number: 2569002233 Permit Version: 101 Location: R Beal At Milnrow 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): 182 Yearly Rate (m3): 66372 Details: Ellenroad Ring Mill Site Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th January 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	994	2	393000 411700
49	Water Abstractions Operator: The Secretary Licence Number: 2569002064 Permit Version: 100 Location: R Beal At Newhey, Milnrow, 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Bentgate Street, Newhey, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st June 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A8SE (S)	994	2	393000 411700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	Water Abstractions Operator: The Secretary Licence Number: 2569002064 Permit Version: 100 Location: R Beal At Newhey, Milnrow, 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): 2955 Yearly Rate (m3): 327312 Details: Bentgate Street, Newhey, Rochdale Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st June 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	998	2	393000 411695
	Water Abstractions Operator: Ellenroad Ring Mill Ltd Licence Number: 2569002072 Permit Version: Not Supplied Location: Well At Bentgate Street, Newhey, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Manufacturing & Drinking; Cooking; Sanitary; Washing For Industrial Premises Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 45 Yearly Rate (m3): 2273 Details: Additional Purpose: Domestic - industrial; Licence Status: Lapsed 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	A9SW (S)	1024	2	393100 411700
	Water Abstractions Operator: Makin Metal Powders Ltd Licence Number: 2569002077 Permit Version: Not Supplied Location: Rochdale, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 1268 Yearly Rate (m3): 454600 Details: Rochdale Canal 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	A16SE (NW)	1140	2	391700 413200
	Water Abstractions Operator: Courtaulds Ltd. Licence Number: 2569002003 Permit Version: Not Supplied Location: Rochdale Canal, Fir Grove, ROCHDALE Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Cooling Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 755 Yearly Rate (m3): 145290 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	A16SE (NW)	1187	2	391700 413300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Heginbottoms Farm Ltd Licence Number: 2569002216 Permit Version: 100 Location: Spring Fed Tank At Premises, Milnrow 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): 5 Yearly Rate (m3): 114 Details: Plumb House Farm, Milnrow Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 25th November 1975 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (N)	1260	2	392300 413900
	Water Abstractions Operator: Kenneth Wood Licence Number: 2569002209 Permit Version: 100 Location: Collecting Chamber At Land Adjoining Lark Hill Farm, Newhey 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): 330 Details: Premises At Lark Hill Farm, Newhey Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd November 1970 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A10NW (E)	1281	2	394000 412300
	Water Abstractions Operator: Tunshill Golf Club Licence Number: 2569002253 Permit Version: 100 Location: Borehole At Tunshill Milnrow Rochdale Authority: Environment Agency, North West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 55 Yearly Rate (m3): 4546 Details: Land At Tunshill Golf Club, Milnrow 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	A20SE (E)	1478	2	394180 413150
	Water Abstractions Operator: Smith & Nephew Textiles Ltd. Licence Number: 2569002006 Permit Version: Not Supplied Location: Reservoir Fed By Piethorne Brook, Newhey, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: River Daily Rate (m3): 3 Yearly Rate (m3): 909 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NW (SE)	1631	2	393900 411500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: F. S. Ratcliffe (Rochdale) Ltd. Licence Number: 2569002096 Permit Version: Not Supplied Location: Reservoir Fed By Surface Drainage, Higher Two Bridges Mill Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: River Daily Rate (m3): 14 Yearly Rate (m3): 182 Details: Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NW (SE)	1702	2	394000 411500
	Water Abstractions Operator: J Hartle Licence Number: 2569002159 Permit Version: 100 Location: Well At Farm Lower Lane Milnrow Rochdale Authority: Environment Agency, North West Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 32 Yearly Rate (m3): 5123 Details: Farm And Slaughter House, Lower Lane Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NW (SW)	1707	2	391400 411600
	Water Abstractions Operator: H Sanderson Licence Number: 2569002060 Permit Version: 100 Location: Well At Castle Farm, Lower Lane, Milnrow 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): 249 Details: Castle Farm, Lower Lane, Milnrow Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NW (SW)	1771	2	391400 411500
	Water Abstractions Operator: S Croston Licence Number: 2569002086 Permit Version: 100 Location: Well At Broadshaw Farm, Milnrow, Rochdale 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): 2 Yearly Rate (m3): 830 Details: Broadshaw Farm, Milnrow Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd February 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2SW (SW)	1823	2	391800 411100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Rochdale Sheet Metal Co Ltd Licence Number: 2569002100 Permit Version: 100 Location: Jackwell Fed By Rochdale Canal@ Premises,Globe Machine Works 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): 7 Yearly Rate (m3): 1023 Details: Premises At Globe Machine Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st August 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1836	2	390900 412500
	Water Abstractions Operator: J & J Makin Ltd. Licence Number: 2569002097 Permit Version: Not Supplied Location: Rochdale Canal, Moss Bridge Road, ROCHDALE, Lancashire Authority: Environment Agency, North West Region Abstraction: Boiler Feed Abstraction Type: Not Supplied Source: Canal Daily Rate (m3): 9 Yearly Rate (m3): 3410 Details: Licence Status: Lapsed 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	(W)	1850	2	390900 412400
50	Water Industry Act Referrals Name: Sonoco Industrial Products Location: STATION ROAD, MILNROW, ROCHDALE, LANCASHIRE, OL16 4HQ Authority: Environment Agency, North West Region Permit Reference: BC1789 Dated: 23rd September 1998 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorised Positional Accuracy: Automatically positioned to the address	A13SW (S)	104	2	392710 412562
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial Patchiness: <90% Superficial Thickness: >10m Superficial Recharge: High	A13SW (W)	0	5	392749 412690
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (W)	0	5	392749 412690
	Superficial Aquifer Designations No Data Available				
51	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13SW (W)	0	2	392749 412690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13SW (W)	0	2	392749 412690
53	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A14SW (SE)	428	2	393127 412436
54	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A18SW (N)	630	2	392694 413349
55	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A17SE (NW)	747	2	392230 413264
56	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A19SE (NE)	884	2	393476 413232
	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	A13SW (W)	15	2	392710 412684
	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)	165	2	392854 412532
	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	A13NW (NW)	244	2	392578 412900
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (W)	24	2	392698 412690
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SW (SW)	97	2	392674 412590
	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)	184	2	392850 412508
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NW (W)	31	2	392694 412700
	Areas Benefiting from Flood Defences Type: Area Benefiting from Flood Defences Boundary Accuracy: As Supplied	A13NW (NW)	110	2	392632 412760
	Flood Water Storage Areas None				
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (W)	117	2	392609 412717
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (W)	127	2	392598 412704

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (NW)	127	2	392613 412763
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (NW)	141	2	392610 412784
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 424.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13SW (SW)	52	6	392702 412625
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A13SW (SW)	104	6	392664 412588
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SW (SW)	106	6	392676 412577
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A13SW (SW)	106	6	392681 412574
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 917.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A13NW (W)	123	6	392603 412710
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 132.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A13SE (S)	139	6	392768 412523
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A13SE (S)	254	6	392855 412432
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A13SE (S)	254	6	392855 412432

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A8NE (SE)	397	6	392924 412306
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 228.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Butterworth Hall Brook Catchment Name: Mersey Primacy: 1	A8NE (SE)	397	6	392924 412306
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 201.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A8NE (SE)	425	6	392929 412278
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 292.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (SW)	495	6	392420 412284
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Butterworth Hall Brook Catchment Name: Mersey Primacy: 1	A9NW (SE)	506	6	393145 412337
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 161.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Butterworth Hall Brook Catchment Name: Mersey Primacy: 1	A9NW (SE)	507	6	393147 412336
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 267.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A8NE (S)	511	6	392860 412162
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 42.0 Watercourse Level: Underground Permanent: True Watercourse Name: Butterworth Hall Brook Catchment Name: Mersey Primacy: 1	A9NW (SE)	648	6	393284 412280
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 519.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Butterworth Hall Brook Catchment Name: Mersey Primacy: 1	A9NW (SE)	686	6	393325 412271

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A8SE (S)	751	6	392910 411927
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	755	6	392408 413397
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 184.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stanney Brook Catchment Name: Mersey Primacy: 1	A7NE (SW)	763	6	392227 412096
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 840.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stanney Brook Catchment Name: Mersey Primacy: 1	A7NE (SW)	769	6	392189 412123
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 64.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A17NE (NW)	796	6	392328 413400
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	796	6	392328 413400
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 370.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17NE (NW)	804	6	392315 413402
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 239.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A8SE (S)	807	6	392922 411873
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	807	6	393325 412091

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 406.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Beal Catchment Name: Mersey Primacy: 1	A17NE (NW)	834	6	392264 413403
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 188.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	854	6	392239 411969
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stanney Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	856	6	392227 411976
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stanney Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	863	6	392238 411960
87	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 152.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	900	6	392359 411846
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 128.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	910	6	393687 412722
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 93.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stanney Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	910	6	392252 411894
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7SE (SW)	910	6	392252 411894
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 237.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	912	6	393689 412727

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	955	6	393724 412562
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Butterworth Hall Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	958	6	393726 412544
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	960	6	393735 412613
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 298.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Butterworth Hall Brook Catchment Name: Mersey Primacy: 1	A14SE (E)	961	6	393729 412547
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NW (W)	985	6	391753 412855
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Stanney Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	995	6	392229 411808

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
98	BGS Recorded Landfill Sites Site Name: Uncouth Rd Tip Location: MILNROW, Lancs Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available Surface Water: Information not available Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Good	A17SE (NW)	600	-	392342 413167
99	Historical Landfill Sites Licence Holder: Lane Bottom Industrial Equitables Pioneers Location: Buckley Hill Lane, Milnrow, Rochdale Name: Ex Universal Laundry Lodge Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15533 First Input Date: 1st August 1988 Last Input Date: 31st December 1988 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9239 BGS Ref: Not Supplied Other Ref: RD/LIC/493/87	A13SW (W)	256	2	392485 412602
100	Historical Landfill Sites Licence Holder: Not Supplied Location: Off Harbour Lane, Milnrow, Greater Manchester Name: Little Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15739 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: D073	A8NW (SW)	466	2	392462 412288
101	Historical Landfill Sites Licence Holder: Rochdale Metropolitan Borough Council Location: Milnrow, Greater Manchester Name: Halliwell Street Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15717 First Input Date: 31st December 1966 Last Input Date: 31st March 1974 Specified Waste: Deposited Waste included Inert, Industrial, Commercial, Household and Type: Special Waste, and Liquid Sludge EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9724 BGS Ref: 251 Other Ref: D061	A17SE (NW)	553	2	392333 413092
102	Historical Landfill Sites Licence Holder: Mrs Dorothy Trafford Location: Kiln Lane, Milnrow Name: Lower House Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15722 First Input Date: 31st December 1971 Last Input Date: 17th July 1985 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9214 BGS Ref: Not Supplied Other Ref: 2, D040, RD/LIC/125/77	A19SW (NE)	643	2	393238 413141

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
103	Historical Landfill Sites Licence Holder: J Mc Cormick Location: Wildhouse Farm, Wildhouse Lane, Milnrow, Rochdale Name: Wildhouse Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD30184 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: RD/LIC/333/84	A18NW (N)	674	2	392586 413376
104	Historical Landfill Sites Licence Holder: North West Water Authority, Pennine Division Location: Crompton ETW, New Hey, Milnrow, Crompton Name: Crompton ETW Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD30181 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: RD/LIC/206/80, RD/LIC/162/78/P1	A17NE (NW)	796	2	392313 413390
105	Historical Landfill Sites Licence Holder: Birchinley Waste Management Limited Location: Wildhouse Lane, Milnrow, Rochdale Name: Birchinley Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15713 First Input Date: 31st May 1988 Last Input Date: 31st December 1991 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9356 BGS Ref: Not Supplied Other Ref: D032, RD/LIC/495/87	A18NE (N)	820	2	393069 413475
106	Historical Landfill Sites Licence Holder: Fenton M. Location: Wildhouse Lane, Rochdale, Littleborough, Lancashire Name: Birchenley Farm Landfill Site Operator Location: Wildhouse Lane, Rochdale, Littleborough, Lancashire Boundary Accuracy: As Supplied Provider Reference: EAHLD35864 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 53928 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A19NW (NE)	861	2	393223 413438
107	Historical Landfill Sites Licence Holder: J Grindrod and Son Location: Wildhouse Lane, Milnrow, Rochdale Name: Birchinley Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15509 First Input Date: 1st November 1976 Last Input Date: 31st December 1985 Specified Waste: Deposited Waste included Inert, Industrial and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9200 BGS Ref: Not Supplied Other Ref: RD/LIC/100/77	A19NW (NE)	940	2	393154 413569

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	Historical Landfill Sites Licence Holder: M Fenton Location: Wildhouse Lane, Milnrow, Rochdale Name: Birchinley Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15711 First Input Date: 31st December 1974 Last Input Date: 31st December 1988 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9096 BGS Ref: Not Supplied Other Ref: RD/LIC/195/87, 0332	A18NE (N)	979	2	392851 413695
109	Licensed Waste Management Facilities (Landfill Boundaries) Name: Birchenley Farm Landfill Site Licence Number: 53928 Location: Wildhouse Lane, Littleborough, Rochdale, Lancashire, OL16 3TW Licence Holder: M. Fenton Authority: Environment Agency - North West Region, South Area Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction) Max Input Rate: Not Supplied Licence Status: Part Revoked Issued: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A19NW (NE)	861	2	393223 413438
110	Licensed Waste Management Facilities (Locations) Licence Number: 407880 Location: Uncouth Road, Rochdale, OL16 3DD Operator Name: Monarch Metals Limited Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Metal recycling, vehicle storage, depollution Licence Status: Issued Issued: 9th March 2022 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	899	2	392127 413376
110	Licensed Waste Management Facilities (Locations) Licence Number: 53456 Location: Land/premises At, Uncouth Road, Milnrow, Rochdale, Lancashire, OL16 3DD Operator Name: European Metal Recycling Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Modified Issued: 28th May 1999 Last Modified: 11th December 2009 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	922	2	392138 413417
	Local Authority Landfill Coverage Name: Rochdale Metropolitan Borough Council - Has no landfill data to supply		0	3	392749 412690
111	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A13NW (NW)	39	-	392694 412725
112	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A13NW (NW)	285	-	392536 412918
113	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A14NW (E)	420	-	393190 412763

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A14SW (SE)	427	-	393123 412434
115	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A14NW (E)	654	-	393396 412898
116	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A18NW (N)	655	-	392732 413376
117	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A18NE (N)	747	-	392780 413468
118	Potentially Infilled Land (Non-Water) Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A17SE (NW)	789	-	392190 413283
119	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A18NE (N)	834	-	393055 413496
120	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1989	A14SE (E)	988	-	393756 412550
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A13SE (S)	59	-	392757 412603
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (S)	107	-	392711 412558
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (SW)	107	-	392656 412591
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13NW (NW)	130	-	392611 412766
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13SW (SW)	148	-	392621 412569
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13NW (N)	233	-	392676 412943
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8NE (S)	498	-	392854 412174
128	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A8NE (S)	514	-	392867 412161
129	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SW (E)	541	-	393316 412635
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14SW (SE)	570	-	393265 412389
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A7NE (SW)	677	-	392190 412261
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A12NW (W)	774	-	391952 412742

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
133	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SE (NW)	783	-	392253 413332
134	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17NE (NW)	815	-	392245 413366
135	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SE (NW)	845	-	392123 413295
136	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A7NE (SW)	873	-	392090 412075
137	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A12NW (W)	878	-	391897 412992
138	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A8SW (S)	916	-	392502 411777
139	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A7NW (SW)	925	-	392023 412074
140	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A7NW (SW)	948	-	391996 412070
141	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1931	A7SW (SW)	954	-	392044 412007
142	Registered Landfill Sites Licence Holder: Lane Bolton Ind. Equitable Pioneers Licence Reference: 00493/87/M1 Site Location: Laundry Lodge, Buckley Hill Lane, Milnrow, Rochdale, Lancashire Licence Easting: 392480 Licence Northing: 412590 Operator Location: Lane Bolton, Newley, ROCHDALE, Lancashire, OL16 3TF 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: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1988 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: Ceramic Materials Constr'N Ind. Wastes Containing Only Glass Similar Non Leachate Forming Materials Soil, Clay, Sand, Stone, Brick, Concrete, Slate Prohibited Waste: Animal Flesh Chemical Waste Of Any Nature Foodstuffs Paper/Cardboard Plasterboard Sawdust Textiles Vegetable Matter Waste Forming Polluting Leachate Waste In Liquid Or Sludge Form Waste N.O.S.	A13SW (W)	264	2	392480 412590

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	Registered Landfill Sites Licence Holder: D Trafford (Mrs) Licence Reference: 00125 Site Location: Lowhouse Farm, Kiln Lane, Milnrow, Rochdale, Lancashire Licence Easting: 393280 Licence Northing: 413200 Operator Location: As Site Address 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 known to be surrenderedSurrendered Dated: 13th July 1978 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: Construction And Demolition Wastes Prohibited Waste: Liquid/Slurry/Sludge Wastes	A19SW (NE)	714	2	393280 413200
144	Registered Landfill Sites Licence Holder: Birchinley Waste Management Ltd Licence Reference: 00495/87/M1 Site Location: Birchinley Farm, Wildhouse Lane, Milnrow, Rochdale, Lancashire Licence Easting: 393000 Licence Northing: 413550 Operator Location: International House, Chichester Street, ROCHDALE, Lancashire, OL16 2AU 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: 1st March 1988 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: Ceramic Materials Constr'N Ind. Wastes Containing Only Fibreglass Glass Metals Plastics Similar Non Leachate Forming Materials Soil,Clay,Sand, Stone,Brick,Concrete,Slate Wood Prohibited Waste: Animal Flesh Chemical Waste Of Any Nature Foodstuffs Paper/Cardboard Plasterboard Sawdust Textiles Vegetable Matter Waste Forming Polluting Leachate Waste In Liquid Or Sludge Form	A18NE (N)	867	2	393000 413550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	Registered Landfill Sites Licence Holder: M Fenton Licence Reference: 00332/M02 Site Location: Birchinley Farm, Wildhouse Lane, Littleborough, Lancashire, OL16 3tw Licence Easting: 393200 Licence Northing: 413600 Operator Location: As Site Address 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 not applicable (partially revoked)Partially Revoked Dated: 28th September 1984 Preceded By: 00100 Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Ceramic Waste Constr'N/Demol. Inert/Non-Haz/Non-Tox Fibreglass Glass/Cullet Metal Scrap Non Leachate Forming Waste Plastic/Polythene (Including Sacks) Soil,Clay,Sand Stone,Brick,Concrete,Slate Wood Waste/Timber Prohibited Waste Carcasses And Flesh Chemical Wastes Food Waste Liquid Wastes Paper/Cardboard Waste Plasterboard Sawdust/Bark Sludge Wastes Textiles, Rag,Wool,Cloth,Hessian Etc Vegetable/Processing Waste Waste Forming Polluting Leachate	A19NW (NE)	989	2	393200 413600
145	Registered Landfill Sites Licence Holder: M Fenton Licence Reference: 00100 Site Location: Birchinley Farm, Wildhouse Lane, Littleborough, Lancashire, OL16 3tw Licence Easting: 393200 Licence Northing: 413600 Operator Location: Python Gardens, Tormorden Road, Littleborough, ROCHDALE, Lancashire, OL15 9EQ Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence known to be surrenderedSurrendered Dated: 6th June 1978 Preceded By: Not Given Licence: Superseded By: 00332/M02 Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Prohibited Waste Liquid/Slurry/Sludge Wastes	A19NW (NE)	989	2	393200 413600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
146	Registered Waste Treatment or Disposal Sites Licence Holder: European Metal Recycling Ltd Licence Reference: 80563 Site Location: Uncouth Road, Milnrow, ROCHDALE, Lancashire, OL16 3DD Operator Location: Alexandra Building, Alexandra Dock 1, Bootle, LIVERPOOL, Merseyside, L20 1BX Authority: Environment Agency - North West Region, South Area Site Category: Scrapyard Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 28th May 1999 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: Maximum Waste Permitted By Licence Non-Haz. Ferrous Metals Non-Haz. Non-Ferrous Metals Scrap Vehicles Prohibited Waste: Other Waste/Waste Not Otherwise Specified Special Waste (As In Epa 1990:S62 Of 1996 Regs) Not Otherwise Specified Waste Contaminated With PcbS/PcTs (Except Household Appliances)	A17NE (NW)	870	2	392200 413400

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)	A13SW (W)	0	1	392749 412690
	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: 600 - 1200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (W)	0	1	392749 412690
	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: 600 - 1200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (S)	47	1	392741 412613
	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: 600 - 1200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13SW (SW)	99	1	392636 412641
	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: 600 - 1200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13SE (SE)	127	1	392857 412583
	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: 600 - 1200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13SE (SE)	156	1	392819 412523
	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: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (S)	160	1	392749 412500

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: 600 - 1200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (SE)	164	1	392866 412541
	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: 300 - 600 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13SE (S)	165	1	392785 412500
	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: 600 - 1200 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13SW (SW)	166	1	392638 412530
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 2.2 - 3.0 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 600 - 1200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (SW)	171	1	392617 412541
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SW (SW)	212	1	392601 412500
	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: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (SE)	219	1	392901 412500

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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (E)	222	1	393000 412690
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SE (E)	223	1	393000 412671
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SW (W)	225	1	392500 412690
	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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (W)	226	1	392500 412717
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SE (E)	244	1	393017 412637
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SW (W)	245	1	392500 412590

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: 25 - 35 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (E)	250	1	393017 412614
	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: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (N)	279	1	392749 413000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 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:	A13SW (SW)	286	1	392500 412500
	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: 600 - 1200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (NW)	291	1	392597 412972
	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: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (NW)	310	1	392609 413000
	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: 300 - 600 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13NE (E)	310	1	393076 412769

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: 25 - 35 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8NW (S)	326	1	392700 412337
	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: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (NW)	357	1	392521 413000
	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:	A13SW (SW)	361	1	392500 412391
	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: 200 - 300 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	376	1	393000 413000
	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: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (NW)	382	1	392500 413016
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 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:	A8NW (SW)	411	1	392500 412329

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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NE (NW)	438	1	392326 412883
	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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (NW)	456	1	392500 413106
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (NW)	507	1	392458 413140
	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: 200 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NW (NE)	541	1	393221 413000
	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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	544	1	392183 412664
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SW (NW)	545	1	392500 413208

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: 200 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SE (NE)	588	1	393079 413206
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18SE (NE)	599	1	393000 413264
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	605	1	393167 412219
	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:	A12SE (W)	606	1	392160 412469
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	660	1	392749 412000
	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: 200 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	670	1	392861 412000

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 90 - 120 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SE (E)	722	1	393500 412690
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	724	1	393500 412635
	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:	A12SW (W)	725	1	392000 412690
	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:	A12NW (W)	726	1	392000 412720
	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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	730	1	393500 412577
	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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	731	1	392565 413429

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 25 - 35 mg/kg Concentration: Cadmium 2.2 - 3.0 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	738	1	392538 413430
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NE (E)	749	1	393500 412882
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	756	1	392500 413436
	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 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	764	1	393000 411941
	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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	764	1	393026 411950
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	770	1	392547 411916

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 90 - 120 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	773	1	392900 411903
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9SW (SE)	774	1	393126 411986
	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:	A18NW (N)	779	1	392749 413500
	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:	A8SW (S)	781	1	392500 411918
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17SE (NW)	781	1	392299 413363
	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 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	782	1	392680 413500

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: 200 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NW (W)	784	1	392000 413000
	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:	A14NE (E)	788	1	393500 413000
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	789	1	393395 413182
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 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:	A18NW (N)	810	1	392524 413500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	817	1	392500 413500
	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:	A18NE (N)	819	1	393000 413500

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: 200 - 300 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A8SW (S)	823	1	392641 411843
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	826	1	393582 412500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 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:	A12SW (W)	828	1	391917 412522
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 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:	A12SW (W)	829	1	391921 412500
	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: 200 - 300 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NW (NE)	831	1	393267 413370
	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: 200 - 300 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A19NW (NE)	832	1	393227 413401

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 15 - 30 mg/kg Concentration:	A19SE (NE)	836	1	393500 413110
	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: 200 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	837	1	392963 411852
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	839	1	392897 411835
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	839	1	393000 411861
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 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:	A12NW (W)	841	1	391884 412712
	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:	A18NE (N)	848	1	393000 413530

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 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NW (W)	850	1	391877 412754
	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:	A8SW (S)	852	1	392500 411843
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SW (NE)	852	1	393402 413271
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 25 - 35 mg/kg Concentration: Cadmium 1.8 - 2.2 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	853	1	392182 413363
	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:	A19NW (NE)	872	1	393138 413500
	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 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	874	1	393516 413157

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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	875	1	392698 411787
	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 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	877	1	392415 411847
	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: 200 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17NE (NW)	891	1	392311 413500
	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 90 - 120 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	894	1	392367 411850
	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:	A19SE (NE)	898	1	393575 413099
	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: 200 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	900	1	393198 413500

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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	916	1	393675 412500
	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: 300 - 600 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SE (E)	919	1	393678 412500
	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:	A19NW (NE)	920	1	393237 413500
	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:	A18NE (N)	926	1	392808 413645
	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:	A19NW (NE)	940	1	393174 413558
	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: 300 - 600 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	949	1	393673 413000

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 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A8SW (S)	954	1	392500 411737
	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:	A19NW (NE)	958	1	393305 413500
	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: 300 - 600 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14SE (E)	966	1	393687 412358
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic: 25 - 35 mg/kg Concentration: Cadmium: 1.8 - 2.2 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 200 - 300 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A17NE (NW)	967	1	392171 413500
	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:	A19SE (NE)	988	1	393677 413094
	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: 600 - 1200 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A9SE (SE)	995	1	393500 412000

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 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A12SW (W)	996	1	391768 412420
147	BGS Recorded Mineral Sites Site Name: Milnrow Location: Milnrow, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96617 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Milnrow Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	18	1	392710 412712
148	BGS Recorded Mineral Sites Site Name: Moor House Location: Milnrow, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96618 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Milnrow Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	369	1	392454 412952
149	BGS Recorded Mineral Sites Site Name: Holt Gravel Pit Location: Milnrow, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96615 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NW (E)	418	1	393189 412757
150	BGS Recorded Mineral Sites Site Name: Wild House Location: Milnrow, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96590 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Milnrow Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NE (N)	737	1	392775 413457
151	BGS Recorded Mineral Sites Site Name: Milnrow Location: Milnrow, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 26733 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Milnrow Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	812	1	393550 412935

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	BGS Recorded Mineral Sites Site Name: Birchinley Location: Milnrow, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96591 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Milnrow Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NE (N)	822	1	393049 413486
153	BGS Recorded Mineral Sites Site Name: Newfield Head Location: Milnrow, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96616 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Milnrow Sandstone Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A14SE (E)	988	1	393756 412547
	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.	A13SW (W)	0	7	392749 412690
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (W)	0	-	392749 412690
	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	A13SW (W)	0	1	392749 412690
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	16	1	392726 412652
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	141	1	392585 412681
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	392749 412690
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	16	1	392726 412652
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	141	1	392585 412681
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	392749 412690
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	392749 412690
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	392732 412679

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	165	1	392654 412859
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	392749 412690
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	16	1	392726 412652
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	141	1	392585 412681
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	392749 412690
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	141	1	392585 412681
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	189	1	392960 412733
	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	A13SW (W)	0	1	392749 412690
	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	A13SW (W)	0	1	392749 412690

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
154	Contemporary Trade Directory Entries Name: Bam Designs Location: 37-39 Dale Street, Milnrow, Rochdale, Lancashire, OL16 3NJ Classification: Printers Textile Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	0	-	392738 412670
155	Contemporary Trade Directory Entries Name: Lancashire Spring Company Ltd Location: Meadowhead Spring Works, Whitworth Street, Milnrow, ROCHDALE, Lancashire, OL16 4HG Classification: Spring Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	50	-	392730 412612
156	Contemporary Trade Directory Entries Name: Neil Cocker Location: 1, Beal Terrace, Milnrow, Rochdale, Lancashire, OL16 4HN Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	58	-	392674 412672
157	Contemporary Trade Directory Entries Name: Dale Fireplaces Location: Dale Mill, Dale Street, Milnrow, Rochdale, Lancashire, OL16 3NJ Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	75	-	392825 412626
158	Contemporary Trade Directory Entries Name: Vale Mill Rochdale Ltd Location: Vale Mill Rochdale Ltd, Clifton Street, Milnrow, OL16 4HP Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	92	-	392655 412618
159	Contemporary Trade Directory Entries Name: Sonoco Industrial Products Location: Station Road, Milnrow, Rochdale, Lancashire, OL16 4HQ Classification: Paper & Cardboard Products & Packaging - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	103	-	392710 412563
159	Contemporary Trade Directory Entries Name: Sonoco Location: Station Road, Milnrow, Rochdale, Lancashire, OL16 4HQ Classification: Paper & Cardboard Products & Packaging - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	104	-	392710 412562
160	Contemporary Trade Directory Entries Name: Mckay Europe Location: 65, Dale Street, Milnrow, Rochdale, Lancashire, OL16 3NJ Classification: Radio Communication Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	120	-	392854 412591
160	Contemporary Trade Directory Entries Name: Dry Walls Rochdale Ltd Location: 75, Dale Street, Milnrow, Rochdale, Lancashire, OL16 3NJ Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	159	-	392883 412564
161	Contemporary Trade Directory Entries Name: Milnrow Blast Clean Location: 8, St. James Street, Milnrow, Rochdale, Lancashire, OL16 3JT Classification: Blast Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	132	-	392751 412853
162	Contemporary Trade Directory Entries Name: Mayfield Garage Ltd Location: 5, Kiln Lane, Milnrow, Rochdale, OL16 3JF Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	136	-	392634 412804

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	Contemporary Trade Directory Entries Name: Rochdale Furniture Restorers Location: Lily St, Milnrow, Rochdale, Lancashire, OL16 3NQ Classification: French Polishing Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	144	-	392623 412804
162	Contemporary Trade Directory Entries Name: Leach & Clegg Ltd Location: Lily Street, Milnrow, Rochdale, Lancashire, OL16 3NQ Classification: Joinery Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (NW)	145	-	392623 412805
163	Contemporary Trade Directory Entries Name: Renold Gears Location: STATION ROAD, MILNROW, ROCHDALE, OL16 3LS Classification: Gearboxes Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	148	-	392730 412513
163	Contemporary Trade Directory Entries Name: Renold Engineering Products Division Location: Station Road, Milnrow, Rochdale, Lancashire, OL16 3LS Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	179	-	392755 412481
164	Contemporary Trade Directory Entries Name: Holroyd Precision Ltd Location: Harbour Lane North, Milnrow, Rochdale, Lancashire, OL16 3LQ Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	156	-	392592 412598
165	Contemporary Trade Directory Entries Name: Rochdale Furniture Restorers Location: 11, Equitable Street, Milnrow, Rochdale, Lancashire, OL16 4HD Classification: French Polishing Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	186	-	392642 412504
166	Contemporary Trade Directory Entries Name: Exact Concrete Ltd Location: 20 Bridge Street, Milnrow, Rochdale, Lancashire, OL16 3ND Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	189	-	392546 412761
167	Contemporary Trade Directory Entries Name: X-Ray Engineering Services Ltd Location: 12, Westward Ho, Milnrow, Rochdale, Lancashire, OL16 3JX Classification: Medical Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	198	-	392945 412796
168	Contemporary Trade Directory Entries Name: Gill Engineering Services Location: Universal Works, Elizabethan Way, Milnrow, Rochdale, Lancashire, OL16 4EJ Classification: Mechanical Engineers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	210	-	392542 412580
169	Contemporary Trade Directory Entries Name: Pro Cleanse Location: 105, Dale Street, Milnrow, Rochdale, Lancashire, OL16 3NW Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	224	-	392920 412510
170	Contemporary Trade Directory Entries Name: Booth Air Conditioning Location: Universal House, Buckley Hill Lane, Milnrow, ROCHDALE, Lancashire, OL16 4BU Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	245	-	392495 412609

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
170	Contemporary Trade Directory Entries Name: Cool Logic Ltd Location: Universal Works, Buckley Hill Lane, Milnrow, ROCHDALE, Lancashire, OL16 4BU Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	245	-	392495 412609
171	Contemporary Trade Directory Entries Name: North Business Solutions Ltd Location: 106, Dale Street, Milnrow, Rochdale, Lancashire, OL16 4HX Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	271	-	392918 412447
172	Contemporary Trade Directory Entries Name: Tod Haulage Contractors Location: 24, Rochdale Road, Milnrow, Rochdale, Lancashire, OL16 3LN Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	290	-	392461 412820
173	Contemporary Trade Directory Entries Name: Littlepom Location: 50, Hurstead Road, Milnrow, Rochdale, Lancashire, OL16 3JS Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	299	-	392921 412964
174	Contemporary Trade Directory Entries Name: H Glasse Location: 17, Cornfield Street, Milnrow, Rochdale, Lancashire, OL16 3DW Classification: Vacuum Cleaners - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	337	-	393024 412455
175	Contemporary Trade Directory Entries Name: Betty & Dots Carpet & Suite Cleaners Location: Conifers Cottage, Milnrow, Rochdale, Lancashire, OL16 3ER Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	357	-	393110 412815
176	Contemporary Trade Directory Entries Name: B Smith Location: Moor House Fold, Milnrow, Rochdale, Lancashire, OL16 4DH Classification: Pallets, Crates & Packing Cases Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (W)	404	-	392346 412841
177	Contemporary Trade Directory Entries Name: Multi Damp Proofing Systems Location: 6, Roads Ford Avenue, Milnrow, Rochdale, Lancashire, OL16 3UQ Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	406	-	392632 413111
178	Contemporary Trade Directory Entries Name: Carole'S Clean Shop Location: 8, Milnrow Precinct, Newhey Road, Milnrow, Rochdale, Lancashire, OL16 4JD Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	416	-	393003 412330
178	Contemporary Trade Directory Entries Name: Milnrow Motor Co Location: Newhey Road, Milnrow, Rochdale, Lancashire, OL16 4JD Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	459	-	393017 412287
178	Contemporary Trade Directory Entries Name: Milnrow Motor Co Location: Newhey Road, Milnrow, Rochdale, Lancashire, OL16 4JD Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	459	-	393017 412287

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
178	Contemporary Trade Directory Entries Name: B P Service Station Location: New Hey Road, Milnrow, Rochdale, Lancashire, OL16 4JD Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	459	-	393017 412287
178	Contemporary Trade Directory Entries Name: Milnrow Motor Co Location: Newhey Road, Milnrow, Rochdale, Lancashire, OL16 4JD Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	459	-	393017 412287
178	Contemporary Trade Directory Entries Name: Milnrow Service Station Location: Newhey Road, Milnrow, ROCHDALE, Lancashire, OL16 4JD Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	459	-	393017 412287
178	Contemporary Trade Directory Entries Name: Esso Location: Newhey Road, Milnrow, Rochdale, OL16 4JD Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	459	-	393017 412287
178	Contemporary Trade Directory Entries Name: Milnrow Motor Co Location: Newhey Rd, Milnrow, Rochdale, Lancashire, OL16 4JD Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	460	-	393016 412286
179	Contemporary Trade Directory Entries Name: John Rostron Consultant Ltd Location: 20, Cross Gates Road, Milnrow, Rochdale, Lancashire, OL16 3EW Classification: Battery Manufacturers & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	422	-	393069 412999
180	Contemporary Trade Directory Entries Name: Heaton Gas Services Location: 3, Balmoral Close, Milnrow, Rochdale, Lancashire, OL16 3EL Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	436	-	393163 412891
181	Contemporary Trade Directory Entries Name: Rochdale Cooker Repairs Location: Wild House Lane, Milnrow, Rochdale, Lancashire, OL16 3JW Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	442	-	392896 413137
182	Contemporary Trade Directory Entries Name: C Norris Spring Spclst Ltd Location: Lady House Works, Newhey Road, Milnrow, Rochdale, OL16 4JD Classification: Spring Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	460	-	392956 412252
183	Contemporary Trade Directory Entries Name: Inserv Ltd Location: Willow House, Buckley Hill Lane, Milnrow, Rochdale, Lancashire, OL16 4BU Classification: Scientific Apparatus & Instruments - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12SE (SW)	476	-	392316 412435
184	Contemporary Trade Directory Entries Name: D Green Washer & Vac Repairs Location: 13, Newfield View, Milnrow, Rochdale, Lancashire, OL16 3DS Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	513	-	393290 412703
185	Contemporary Trade Directory Entries Name: C Norris Location: Lady House Works, Newhey Road, Milnrow, Rochdale, Lancashire, OL16 4JD Classification: Spring Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	529	-	393061 412233

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
185	Contemporary Trade Directory Entries Name: Norris Springs Location: Lady House Works, Newhey Road, Milnrow, Rochdale, Lancashire, OL16 4JD Classification: Spring Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	529	-	393061 412233
185	Contemporary Trade Directory Entries Name: Norris Location: Lady House Works, Newhey Road, Milnrow, Rochdale, Lancashire, OL16 4JD Classification: Spring Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	529	-	393061 412233
186	Contemporary Trade Directory Entries Name: Heritage Chemicals Ltd Location: 39, Croft Head Drive, Milnrow, Rochdale, Lancashire, OL16 3UZ Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	530	-	392582 413225
187	Contemporary Trade Directory Entries Name: Wishee Washee Location: 102, Rochdale Road, Milnrow, Rochdale, Lancashire, OL16 3LL Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	550	-	392280 413026
188	Contemporary Trade Directory Entries Name: Jacksons Farm Fayre Location: Rear of 1 Back Harbour Lane, Milnrow, Rochdale, Lancashire, OL16 4EL Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	551	-	392791 412111
188	Contemporary Trade Directory Entries Name: Jacksons Farm Fayre Ltd Location: Harbour La, Milnrow, Rochdale, Lancashire, OL16 4EL Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (S)	553	-	392774 412108
189	Contemporary Trade Directory Entries Name: Waggon Garage Ltd Location: Butterworth Hall, Milnrow, Rochdale, OL16 3PE Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	566	-	393151 412257
189	Contemporary Trade Directory Entries Name: Waggon Garage Location: Butterworth Hall, Milnrow, Rochdale, Lancashire, OL16 3PE Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	569	-	393155 412257
189	Contemporary Trade Directory Entries Name: I S Sewing Location: 1a, Chadwick Close, Milnrow, ROCHDALE, Lancashire, OL16 3PN Classification: Sewing Machines - Industrial Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	603	-	393201 412255
190	Contemporary Trade Directory Entries Name: Gateway Fabrications Location: 20, Trent Avenue, Milnrow, Rochdale, OL16 3EX Classification: Machine Shops Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	604	-	393380 412724
191	Contemporary Trade Directory Entries Name: Moulded Fibre Packaging Ltd Location: Newhey Rd, Milnrow, Rochdale, Lancashire, OL16 3NR Classification: Packaging & Wrapping Equipment & Supplies Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	645	-	393155 412158
192	Contemporary Trade Directory Entries Name: Universal Laundry Services Location: 96, Newhey Road, Milnrow, Rochdale, OL16 4JE Classification: Laundries & Launderettes Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	711	-	393185 412098

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	Contemporary Trade Directory Entries Name: Oven Kleen Location: 106, Newhey Road, Milnrow, Rochdale, Lancashire, OL16 4JE Classification: Oven cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	739	-	393203 412076
193	Contemporary Trade Directory Entries Name: Amb Plant Services Location: Royds St, Milnrow, Rochdale, Lancashire, OL16 3PR Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	733	-	393239 412112
193	Contemporary Trade Directory Entries Name: G S C Utility Networks Location: 27, Heaton Street, Milnrow, Rochdale, Lancashire, OL16 3PP Classification: Gas Companies Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	745	-	393262 412116
194	Contemporary Trade Directory Entries Name: Halgen Location: 35, Derwent Avenue, Milnrow, Rochdale, Lancashire, OL16 3UD Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	814	-	393590 412741
195	Contemporary Trade Directory Entries Name: Robinsons Cleaning Location: 137, Rochdale Road, Firgrove, Rochdale, Lancashire, OL16 3BU Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	840	-	392032 413176
196	Contemporary Trade Directory Entries Name: Printed Circuit Designs Services Location: 76, Willows Lane, Rochdale, Lancashire, OL16 4BG Classification: Printed Circuit Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	868	-	391904 412983
197	Contemporary Trade Directory Entries Name: Emr Rochdale Location: Uncouth Road, Rochdale, Lancashire, OL16 3DD Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17SE (NW)	883	-	392093 413319
198	Contemporary Trade Directory Entries Name: A C Concrete Pumping Location: 174, Rochdale Road, Rochdale, Lancashire, OL16 3BN Classification: Concrete Pumping Services Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	898	-	391992 413220
198	Contemporary Trade Directory Entries Name: Hopwood Service Station Location: 153, Rochdale Road, Rochdale, Lancashire, OL16 3BN Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	915	-	391956 413197
199	Contemporary Trade Directory Entries Name: Plr Location: 56, Knowl Road, Rochdale, Lancashire, OL16 4BB Classification: Blast Cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	906	-	391849 412934
200	Contemporary Trade Directory Entries Name: Monarch Metals Ltd Location: Uncouth Road, Rochdale, Lancashire, OL16 3DD Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	933	-	392153 413443
201	Contemporary Trade Directory Entries Name: Hooton Service Station Location: 753 Rochdale Rd, Rochdale, Lancashire, OL16 3BN Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	967	-	391925 413245

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
202	Fuel Station Entries Name: Milnrow Service Station Location: Newhey Road , Milnrow , Rochdale, Greater Manchester, OL16 4JD Brand: Esso Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A8NE (SE)	459	-	393017 412287
203	Points of Interest - Commercial Services Name: Mayfield Vehicle Repairs Location: Lily Street, Milnrow, Rochdale, OL16 3NQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	131	8	392641 412804
203	Points of Interest - Commercial Services Name: Mayfield Garage Ltd Location: Mayfield Motors Tim Bobbin Garage 5, Kiln Lane, Milnrow, OL16 3JF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	136	8	392634 412804
204	Points of Interest - Commercial Services Name: Tod Haulage Contractors Location: 24 Rochdale Road, Milnrow, Rochdale, OL16 3LN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NW (NW)	290	8	392461 412820
204	Points of Interest - Commercial Services Name: Tod Haulage Contractors Location: 24 Rochdale Road, Milnrow, Rochdale, OL16 3LN Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A13NW (NW)	290	8	392461 412820
205	Points of Interest - Commercial Services Name: Ck Auto Electrician Location: Durley, Buckley Hill Lane, Milnrow, Rochdale, OL16 4BU Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (W)	390	8	392366 412533
206	Points of Interest - Commercial Services Name: Milnrow Motor Co Location: Newhey Road, Milnrow, Rochdale, OL16 4JD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	459	8	393017 412287
206	Points of Interest - Commercial Services Name: Car Wash Location: Newhey Road, Milnrow, Rochdale, OL16 4JD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (SE)	459	8	393017 412287
206	Points of Interest - Commercial Services Name: Milnrow Service Station Location: Newhey Road, Milnrow, Rochdale, OL16 4JD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (SE)	460	8	393016 412286
206	Points of Interest - Commercial Services Name: Milnrow Motor Co Location: Newhey Road, Milnrow, OL16 4JD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NE (SE)	460	8	393016 412286
206	Points of Interest - Commercial Services Name: B P Car Wash Location: Newhey Road, Milnrow, OL16 4JD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (SE)	460	8	393016 412286
207	Points of Interest - Commercial Services Name: M D S Location: 6 Weir Road, Milnrow, Rochdale, OL16 3UX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (N)	512	8	392574 413203

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	Points of Interest - Commercial Services Name: M D S Towbars Location: 39 Croft Head Drive, Milnrow, Rochdale, OL16 3UZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18SW (N)	530	8	392582 413225
208	Points of Interest - Commercial Services Name: Waggon Garage Ltd Location: New Street, Milnrow, OL16 3PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	566	8	393151 412257
208	Points of Interest - Commercial Services Name: Waggon Garage Location: Butterworth Hall, Milnrow, Rochdale, OL16 3PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	569	8	393155 412257
208	Points of Interest - Commercial Services Name: Husky Battery Repairs Location: Butterworth Hall, Milnrow, Rochdale, OL16 3PE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	569	8	393155 412257
209	Points of Interest - Commercial Services Name: F H Bowers Location: 3 Bealcroft Close, Milnrow, OL16 3XD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SW (NW)	685	8	392456 413342
210	Points of Interest - Commercial Services Name: C K Mobile Auto Electrician Location: 116 Newhey Road, Milnrow, OL16 4JE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	769	8	393217 412049
211	Points of Interest - Commercial Services Name: Monarch Metals Ltd Location: Uncouth Road, Milnrow, OL16 3DD Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A17NE (NW)	893	8	392155 413393
211	Points of Interest - Commercial Services Name: Emr Rochdale Location: Uncouth Road, Milnrow, OL16 3DD Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A17NE (NW)	893	8	392155 413393
211	Points of Interest - Commercial Services Name: Scrap Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A17NE (NW)	896	8	392215 413445
211	Points of Interest - Commercial Services Name: Scrap Yard Location: OL16 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A17NE (NW)	907	8	392207 413452
212	Points of Interest - Manufacturing and Production Name: Works Location: OL16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	0	8	392755 412692
213	Points of Interest - Manufacturing and Production Name: Works Location: OL16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (S)	55	8	392725 412608

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
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	A13SW (S)	122	8	392725 412539
213	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	A13SW (S)	131	8	392721 412531
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	A13SE (S)	185	8	392760 412476
214	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	A13SW (SW)	87	8	392657 412623
214	Points of Interest - Manufacturing and Production Name: Works Location: OL16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	87	8	392657 412623
214	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	A13SW (SW)	163	8	392588 412592
214	Points of Interest - Manufacturing and Production Name: Works Location: OL16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SW (SW)	163	8	392588 412592
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	A13SE (S)	289	8	392792 412375
215	Points of Interest - Manufacturing and Production Name: Works Location: OL16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (S)	290	8	392792 412374
216	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	A8NE (SE)	453	8	392953 412258
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	A8NE (SE)	460	8	392959 412254
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	A8NE (S)	546	8	392752 412114

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
217	Points of Interest - Manufacturing and Production Name: Works Location: OL16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	547	8	392752 412113
218	Points of Interest - Manufacturing and Production Name: Works Location: OL16 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	568	8	393268 412398
219	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	A9NW (SE)	596	8	393220 412285
219	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	A9NW (SE)	598	8	393222 412285
220	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	A17SE (NW)	811	8	392192 413316
220	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	A17SE (NW)	814	8	392192 413320
221	Points of Interest - Manufacturing and Production Name: Kingsway Business Park Location: OL16 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	814	8	391911 412707
222	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	A9NE (SE)	855	8	393543 412304
223	Points of Interest - Public Infrastructure Name: Milnrow Station Location: Station Road, OL16 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A8NE (S)	308	8	392754 412352
224	Points of Interest - Public Infrastructure Name: Esso Location: Newhey Road, Milnrow, OL16 4JD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	459	8	393017 412287
224	Points of Interest - Public Infrastructure Name: Milnrow Service Station Location: Newhey Road, Milnrow, Rochdale, OL16 4JD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	459	8	393017 412287
224	Points of Interest - Public Infrastructure Name: Milnrow Service Station Location: Newhey Road, Milnrow, Rochdale, OL16 4JD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	459	8	393017 412287

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
224	Points of Interest - Public Infrastructure Name: BP Service Station Location: Newhey Road, Milnrow, Rochdale, OL16 4JD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	460	8	393016 412286
224	Points of Interest - Public Infrastructure Name: BP Service Station Location: New Hey Road, Milnrow, Rochdale, OL16 4JD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (SE)	460	8	393016 412286
225	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	A17SE (NW)	658	8	392344 413244
225	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	A17SE (NW)	659	8	392342 413244
226	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	A9NW (SE)	672	8	393310 412274
227	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: OL16 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	687	8	392235 412193
228	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)	786	8	392910 411892
228	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)	787	8	392912 411891
229	Points of Interest - Public Infrastructure Name: Dg Fire Systems Ltd Location: 37 Heatley Road, Rochdale, OL16 4BW Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A12NW (W)	797	8	391945 412862
230	Points of Interest - Public Infrastructure Name: Sluice Location: OL16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	807	8	393484 412294
230	Points of Interest - Public Infrastructure Name: Sluice Location: OL16 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	812	8	393465 412252
231	Points of Interest - Public Infrastructure Name: Hopwood Service Station Location: 153 Rochdale Road, Rochdale, OL16 3BN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	915	8	391956 413197

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
231	Points of Interest - Public Infrastructure Name: Hopwood Service Station Location: Rochdale Road, Rochdale, Lancashire, OL16 3BN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SW (NW)	919	8	391957 413206
232	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	A14SW (E)	440	8	393213 412619
232	Points of Interest - Recreational and Environmental Name: Playground Location: Pennine Drive, OL16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	440	8	393213 412619
233	Points of Interest - Recreational and Environmental Name: Playground Location: Uncouth Road, OL16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17SW (NW)	877	8	392053 413265
234	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	A9SW (SE)	963	8	393272 411852
234	Points of Interest - Recreational and Environmental Name: Playground Location: Newhey Road, OL16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A9SW (SE)	968	8	393273 411847



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
235	Areas of Adopted Green Belt Authority: Rochdale Metropolitan Borough Council Plan Name: Rochdale Unitary Development Plan Status: Adopted Plan Date: 30th June 2006	A18SE (N)	445	9	392917 413132

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Oldham Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department	November 2023 October 2017 October 2017 October 2017 October 2017 October 2017	Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annually
Discharge Consents Environment Agency - North East Region Environment Agency - North West Region	October 2023 October 2023	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	January 2023 January 2023	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Kirklees Metropolitan Borough Council - Environmental Health Department 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	April 2014 July 2014 March 2015 May 2016 October 2014	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Kirklees Metropolitan Borough Council - Environmental Health Department Calderdale Metropolitan Borough Council - Environmental Health Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	April 2014 December 2020 July 2014 March 2015 May 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Kirklees Metropolitan Borough Council - Environmental Health Department 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	April 2014 July 2014 March 2015 May 2016 October 2014	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	November 2023	
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 Environment Agency - Head Office	June 2016 June 2016 May 2023	As notified As notified Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable

Agency & Hydrological	Version	Update Cycle
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
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 2023 October 2023 October 2023 October 2023 October 2023	Quarterly Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - North East Region Environment Agency - North West Region	October 2023 October 2023	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	As notified
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	As notified
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2023	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	October 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	July 2023	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	July 2023 July 2023 July 2023 July 2023 July 2023	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	January 2023 January 2023 January 2023 January 2023 January 2023	Quarterly Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services 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 February 2003	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services 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 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	

Waste	Version	Update Cycle
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	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lancashire County Council Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	April 2023 August 2015 February 2016 February 2016 May 2023 May 2023	Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council Lancashire County Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	August 2015 February 2016 February 2016 February 2016 February 2016 February 2016	Variable Variable Variable Variable Variable Variable

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS 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	June 2023	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	October 2023	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	October 2023	Annually

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

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

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	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	Oldham Metropolitan Borough Council - Environmental Health Department Area Office West End House, West End Street, Oldham, Lancashire, OL1 6DW	Telephone: 0161 911 4503 Fax: 0161 678 4550 Website: www.oldham.gov.uk
5	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
6	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.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	Oldham Metropolitan Borough Council Civic Centre, P O Box 55, West Street, Oldham, Lancashire, OL1 1XN	Telephone: 0161 911 3000 Fax: 0161 678 4550 Website: www.oldham.gov.uk
11	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

UNEXPLODED BOMB RISK MAP



SITE LOCATION

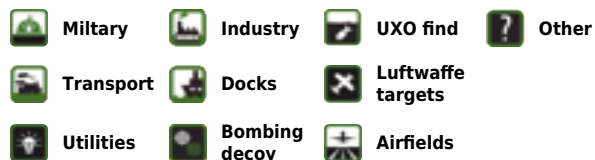
Map Centre: 392775,412720



This map principally indicates a hazard from Unexploded Bombs (UXB) due to WWII bombardment. Other sources of Unexploded Ordnance (UXO) may be present. It should be noted that this map does not represent UXO risk and should not be reported as such when reproduced.

LEGEND

-  **High:** Areas indicated as having a bombing density of 50 bombs per 1000acre or higher.
-  **Moderate:** Areas indicated as having a bombing density of 15 to 49 bombs per 1000acre.
-  **Low:** Areas indicated as having 15 bombs per 1000acre or less.



How to use your Unexploded Bomb (UXB) risk map?

This map indicates the potential for UXBs to be present because of World War Two (WWII) bombing. It can be incorporated into a technical report, such as a Phase 1 Desk Study, or similar document as an indication of the potential for UXO encounter on a Site. Other sources of UXO may also be indicated, although note that these are not comprehensive and more detailed research is required to confirm their presence.

What if my Site is in a moderate or high density area?

We typically recommend that a detailed UXO desk study and risk assessment is undertaken for sites in an area with a moderate or high bombing density.

Additionally, if your site is in close proximity to a strategic target, military establishment, airfield or bombing decoy, then [additional detailed research](#) is recommended.

If my site is in a low risk area, do I need to do anything?

If both the map and other research confirm that there is a low potential for UXO to be present on your site, then, subject to your own comfort and risk tolerance, works can proceed with no special precautions.

If you are unsure whether other sources of UXO may be present, you can request one of our [pre-desk study assessments \(PDSA\)](#) by emailing a site boundary and location to uxo@zetica.com.

You should never plan site work or undertake a risk assessment using these maps alone. More detail is required, to include an assessment of the likelihood of a source of UXO hazard from other military activity not reflected on these maps.

If I have any questions, who do I contact?

tel: +44 (0) 1993 886682 email: uxo@zetica.com web: www.zeticauxo.com

The information in this UXB risk map is derived from a range of sources and should be used with the [accompanying notes on our website](#).

Zetica cannot guarantee the accuracy or completeness of the information or data used and cannot accept any liability for any use of the maps. These maps can be used as part of a technical report or similar publication, subject to acknowledgement. The copyright remains with Zetica Ltd.

Spraying Record Sheet Reference: OL16 3NJ Spray Report		37 Dale Street
Date of application: 9/23/2021	Sprayer Operator: Andy Lee	Sprayer Operator Reference: 612775
Area treated: As per site plan	Products used + application rate: Garlon Ultra 20ml per L ProVantage 2m per Stem Injection ProVantage 30ml per L	Active Ingredients: Garlon Ultra: Aminopyralid ProVantage: Glyphosate
Disease/pest or weed target treatment: Japanese knotweed		Quantity of each product used: Pro Vantage 600ml
Water volume:	Sprayer Used: Berthoud	Time of application: 10:00:00
Weather conditions Sry	Temperature : 17	Wind speed:
Observations: Treatment applied via stem injection		



Customer Signature..... Print Name.....

Spraying Record Sheet Reference: OL16 3NJ Spray Report		37 Dale Street
Date of application: 9/28/2022	Sprayer Operator: Andy Lee	Sprayer Operator Reference: 612775
Area treated: As per site plan	Products used + application rate: Garlon Ultra 20ml per L ProVantage 2m per Stem Injection ProVantage 30ml per L	Active Ingredients: Garlon Ultra: Aminopyralid ProVantage: Glyphosate
Disease/pest or weed target treatment: Japanese knotweed		Quantity of each product used: Pro Vantage 90ml 
Water volume: 3	Sprayer Used: Berthoud	Time of application: 12:00:00
Weather conditions Dry	Temperature : 14	Wind speed:
Observations: Spot treat small re growth great results from previous treatments		



Customer Signature..... Print Name.....

Spraying Record Sheet Reference: OL16 3NJ Spray Report		37 Dale Street
Date of application: 5/30/2023	Sprayer Operator: Andy Lee	Sprayer Operator Reference: 612775
Area treated: As per site plan	Products used + application rate: Garlon Ultra 20ml per L ProVantage 2m per Stem Injection ProVantage 30ml per L	Active Ingredients: Garlon Ultra: Aminopyralid ProVantage: Glyphosate
Disease/pest or weed target treatment: Japanese knotweed		Quantity of each product used: Pro Vantage 90ml 
Water volume: 1	Sprayer Used: Berthoud	Time of application: 13:00:00
Weather conditions Overcast	Temperature : 15	Wind speed: 1
Observations: Spot treat a very small patch of re growth		



Customer Signature..... Print Name.....

APPENDIX III

DEFINITIONS AND RESERVATIONS

Definitions and Reservations

For the avoidance of doubt, Roberts Environmental has prepared the following alphabetical list of definitions and reservations to aid the client in understanding the content of our advice and or written reports(s):

Accuracy	Level of agreement between true value and observed value.
ACM's	Asbestos Containing Materials
Conceptual Exposure model	Textual and or schematic hypothesis of the nature and sources of contamination, potential migration pathways (including description of the ground and groundwater) and potential receptors, developed on the base of the information form the preliminary investigation and refined during subsequent phases of investigation and which is an essential part of the risk assessment process. Note 1: The conceptual exposure model is initially derived from the information obtained by the preliminary investigation. This conceptual model is used to focus subsequent investigations, where these are considered to be necessary, in order to meet the objectives of the investigations and the risk assessment. The results of the field investigation can provide additional data that can be used to further refine the conceptual model.
Contamination	Presence of a substance which is in, on or under land, and which has <u>the potential</u> to cause significant harm or to cause significant pollution of controlled water. Note 1: There is no assumption in this definition that harm results from the presence of the contamination. Note 2: Naturally enhanced concentrations of harmful substances can fall within this definition of contamination. Note 3: Contamination may relate to soils, groundwater or ground gas.
Controlled water	Inland freshwater (any lake, pond or watercourse above the freshwater limit), water contained in underground strata and any coastal water between the limit of highest tide or the freshwater line to the three mile limit of territorial waters. Note 1: See Section 104 of The Water Resources Act 1991.
Enquiries	Any enquiries undertaken by Roberts Environmental of local authorities and statutory undertakers are made verbally in respect of environmental issues. Local searches are not undertaken and no responsibility is accepted for any inaccurate information provided. It is further assumed unless otherwise stated that all necessary licences, permits etc. either run with the property or are transferable to a new occupier as appropriate.
Harm	Adverse effect on the health of living organisms, or other interference with ecological systems of which they form part, and, in the case humans, including property.
Hazard	Inherently dangerous quality of a substance, procedure or event.
Pathway	Mechanism or route by which a contaminant comes into contact with, or otherwise affects, a receptor.
Precision	Level of agreement within a series of measurements of a parameter.
Receptor	Persons, living organisms, ecological systems, controlled water, atmosphere, structures and utilities that could be adversely affected by the contaminant(s).
Risk	Probability of the occurrence, magnitude and consequences of an unwanted adverse effect on a receptor.
Risk assessment	Process of establishing, to the extent possible, the existence, nature and significance of risk.
Sampling	Methods and techniques used to obtain a representative sample of the material under investigation.
Soil	Upper layer of the earth's crust composed of mineral parts, organic substance, water, air and living matter. Note 1: In accordance with BS 10175:2001 the term soil has the meaning ascribed to it through general use in civil engineering and includes topsoil and subsoil; deposits such as clays, silt, sand, gravel, cobbles, boulders and organic deposits such as peat; and material

	of natural or human origin (e.g. fills and deposited wastes). The term embraces all components of soil, including mineral matter, organic matter, soil gas and moisture, and living organisms.
Source	Location from which contamination is, or was, derived. Note 1: This could be the location of the highest soil or groundwater concentration of the contaminant(s).
Uncertainty	Parameter, associated with the result of a measurement that characterizes the dispersion of the values that could reasonably be attributed to the measurement.

Relevant Guidance and Policy documents.

Regulatory Regime Environmental Risk Assessment

REL's approach is compliant with the *National Planning Policy Framework* but in the absence of further detailed guidance we have continued to maintain an approach in accordance with *Planning Policy Statement 23: Annex 2, "Development on Land Affected by Contamination"*, (Office of the Deputy Prime Minister, 2004) for robustness. Therefore, we have provided this desk-based assessment of the likelihood of the presence of land contamination, its nature and potential risk to the proposed development, and what further measures are required to ensure the site is 'suitable for use'. This report is provided as supporting environmental information to the planning application.

In order to assess the risks associated with the presence of ground contamination, the linkages between the sources and potential receptors need to be established and evaluated. This is in accordance with *Part 2A of the Environmental Protection Act (EPA) 1990*, which provides a statutory definition of Contaminated Land and as revised under *The Contaminated Land (England) (Amendment) Regulations 2012*. To fall within this definition it is necessary that, as a result of the condition of the land, substances may be present on or under the land such that:

- Significant harm is being caused or there is a significant possibility of such harm being caused; or
- Significant pollution of controlled waters is being caused, or there is a significant possibility of such pollution being caused;
- Risk from contamination is assessed by consideration of possible linkages between contaminant sources and potential receptors which could be harmed or polluted, and the potential pathways between them. A contaminant linkage must exist in relation to particular land before the land can be considered potentially to be contaminated land under Part 2A, including evidence of the actual presence of contaminants.

Asbestos

In accordance with the *Control of Asbestos Regulations 2012*, owners, occupiers, managers and/or those who have responsibilities for premises have a legal duty to either manage the risk of asbestos or a duty to co-operate with whoever manages that risk.

Invasive Plant Species

The Wildlife and Countryside Act 1981 (as amended) is the principal legislation which regulates the release of non-native species. **Section 14(2)** prohibits the release of certain invasive non-native plants into the wild in Great Britain; it is an offence under **Section 14(2)** to "plant or otherwise cause to grow in the wild" any plants listed on **Part II of Schedule 9**. The most common plant species found on brownfield and urban sites include Japanese Knotweed, Giant Hogweed and Himalayan Balsam.

Risk Classification

In line with current UK guidance, the Environmental Assessment has been undertaken using a risk based approach, with the potential environmental risk assessed qualitatively using the 'source-pathway-receptor' scenario. In consideration of the information gathered an overall risk rating has been provided for the site based on the following definitions:

Low Risk

The site is considered suitable for present use and environmental setting. It is unlikely that any issues will arise as a liability/cost for the freehold owner of the site.

Medium Risk

The site may not be suitable for present use and environmental setting. Contaminants are probably or certainly present and are likely to have an unacceptable impact on the identified receptors. It is possible that the issue(s) could arise as a liability/cost for the freehold owner of the site. Further work is usually required to clarify the risk.

High Risk

The site is not suitable for present use and environmental setting. Contaminants are probably or certainly present and are very likely to have an unacceptable impact on the identified receptors. It is likely that the issue(s) will arise as a liability/cost for the freehold owner of the site. Further work is urgently needed.