

Phase 1: Desk Study

Top Park Bury

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M24-042

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PHASE 1 DESK STUDY

TOP PARK BURY

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Revision	Date	Prepared By	Signed
Rev_1	July 2024	A Carter <i>Geotechnical Engineer</i> A Crane <i>Engineering Geologist</i>	
		Checked By	
		Ann Lowry <i>Consultant</i>	A Lowry
		Approved By	
		R Woods <i>Managing Director</i>	

1 EXECUTIVE SUMMARY

Site Address	Bolton Rd W, Ramsbottom, Bury BL0 9PD
Site Description	The site is currently a grass sports field. There is a carpark and pavilion building located in the west of the site. The topography of the surrounding area generally falls towards the river Irwell 400m to the northeast of the site
Site History <i>On Site</i>	The earliest maps (1850) show that the site was agricultural and later a refuse tip.
<i>Offsite</i>	From the earliest mapping the area around the site was predominantly residential with an iron work to the south and a cotton works to the north of the site.
Proposed End Use	The proposed development is outlined to be a floodlit outdoor football pitch and extension to the existing pavilion.
Environmental Setting <i>Landfill & Waste</i>	There is an historic Landfill within the boundary of the site.
<i>Regulated Industries</i>	There are 13no contemporary trade directory entries within 500m of the site. There are no fuel station entries within 500m of the site.
<i>Geology</i>	The solid geology beneath the site is likely to mostly brooksbottom grit formation of sandstone. The drift deposits on site are likely to comprise silty, sandy, and gravelly Glacial Till with varying thicknesses of made ground (refuse) deposits.
<i>hydrogeology</i>	Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as a Secondary Aquifer – A. The overlying drift is classified as a /Secondary Aquifer – Undifferentiated.
<i>Hydrology</i>	The site does not lie within a source protection zone. There are 10no Groundwater Abstractions located within 1km of the site.
<i>Flooding</i>	The nearest surface water feature is an unnamed brook located 97m South of the site. There are no Surface Water Abstractions within 1km of the site.
<i>Radon Gas</i>	The Envirocheck Report states the site is not at risk of Flooding from Rivers and the Seas without defences, and there are no flood defences, flood water storage areas or areas benefiting from flood defences and flood storage present within 250m of the site.
Preliminary Mining Assessment	The site is not located within a Development High Risk Area. No further investigation into coal workings is considered necessary.
Preliminary Geotechnical Assessment	Given the proposed development and expected ground conditions, the use of strip or pad or raft or reinforced strip foundations is anticipated at present.
Preliminary Contamination Assessment	The desk study has shown that the site may have been exposed to some contamination, with refuse being the most likely source local to the structures.
Potential Sources of Ground Gas	Although the site is known to lie within the boundaries of a historic landfill, previous ground investigations suggest that the pavilion (and associated proposed extension) are sat atop ~2.5m of glacial till fill above natural strata rather than the main waste types associated with this landfill (household and industrial waste, ash and Victorian refuse). Reworked glacial till is likely to have a significantly lower potential to be a source of ground gas, coupled with acting as a low permeability barrier, which would limit ground gas migration. Additionally, it is understood that during the installation of landfill gas mitigation measures in the mid 1990's, a bentonite cut off wall was installed to limit lateral migration of ground gas. The pavilion is noted to sit to the north of this wall, and not on an area of historic landfill waste.
Phase Two Recommendations	• A series of cable percussive boreholes with insitu testing and samples. • A series of machine dug trial pits across the site and in the area of the proposed extension to determine the extent of the made ground. • Geotechnical testing. • Chemical testing.

2 INTRODUCTION AND SCOPE OF INVESTIGATION

Solmek were instructed by Steve Wells Associates to undertake a desk study on a parcel of land at Bolton Road West, Ramsbottom, Bury BL0 9PD. The proposed development is outlined to be a floodlit recreational playing field and pavilion extension.

The following steps may be required in the investigation and remediation of potentially contaminated land:

- Phase 1: Desk Study
- Phase 2: Intrusive Investigation
- Phase 3: Remediation Statement
- Phase 4: Validation Reports

Phases 1 and 2 are generally required in the redevelopment of most sites. Phases 3 and 4 are subject to the findings of the initial stages. This report represents Phase 1 of the site investigation.

The purpose of this Phase 1 Desk Study is to evaluate likely ground conditions and significant environmental issues at the site, and to plan the scope of subsequent phases of investigation.

This report may be regarded as a Preliminary Risk Assessment in accordance with respect to the Environment Agency's guidance document Environment Agency *Land Contamination Risk Management*, which replaced the now-withdrawn *Contaminated Land Report 11 – Model Procedures for the Management of Land Contamination (2004)*.

This Phase 1 Desk Study has been undertaken with due regard to current contaminated land guidance issued by the Royal Institution of Chartered Surveyors (RICS) together with BS 10175:2011+A1:2013, *“Investigation of Potentially Contaminated Land - Code of Practice”* and relevant sections of BS 5930:2015+A1:2020, *“Code of Practice for Ground Investigations”*.

The objectives of the investigation are as follows:

- Determine the land use history of the site from an inspection of available Historical Maps
- Determine the environmental setting of the site from available sources
- Determine whether past mining may have had an influence on the site
- Determine whether the site has previously been used for purposes that may have given rise to significant ground contamination
- Provide recommendations for further investigation.

3 SITE WALKOVER AND DESCRIPTION

3.1 General

The centre of the site is located at OS Grid Ref 378710, 415960 and covers an area of approximately 6.18Ha. The area is located at Bolton Road West, Ramsbottom, Bury BL0 9PD.

Site photographs are presented in Appendix A.

3.2 Site Description

The site is currently a grass sports field. There is a carpark and pavilion building located in the west of the site. The topography of the surrounding area generally falls towards the river Irwell 400m to the northeast of the site. Levels fall by 5m from west to east across the site. The area of the proposed FTP is typically flat. The site boundaries are defined mature trees and vegetation to the north, south and east beyond which residential dwelling are present. The western site boundary is defined by Bolton Road West. Mature trees and vegetation up to 10-15m in height populate the site boundaries.

3.3 Off Site Features

Adjacent sites comprise predominately residential dwellings in all directions.

4 Previous Investigations

A previous site investigation was conducted by Soiltechnics in October 2023. The following describes the results of that investigation.

4.1 Ground Investigation

The ground investigation conducted by Soiltechnics included:

- 6no Hand dug Trial Pits to a maximum depth of 1.2m
- 11no Dynamic Cone Penetrometer (DCP) tests to a maximum depth of 0.88m
- 6no windowless boreholes to a maximum depth of 5.45m

4.2 Ground Conditions

Ground conditions encountered comprised topsoil over made ground observed beyond the maximum depth of excavation of 3.91m bgl across the proposed Football Turf Pitch (FTP) comprising clay and gravel with waste materials.

Suspected Glacial Till was observed only within the area of the proposed pavilion extension at a depth greater than 2.5m bgl.

4.3 Foundation Design

The recommendations in the report indicated that made ground across the proposed FTP and pavilion extension is considered unsuitable for supporting concentrated floodlight foundation loads on shallow foundations (i.e. pads, or strip/trench fill). Thus, an alternative foundation solution (i.e. piles or ground improvement) was required.

4.4 Waste Characterisation

WAC testing carried out indicated made ground may be accepted at an inert landfill site. However, as waste materials were identified and the site is a historic landfill site, landfill operators may classify the made ground as hazardous waste.

The topsoil was considered suitable for disposal as non-hazardous waste owing to likely a high organic carbon content. Natural uncontaminated soils were proposed to be acceptable as inert waste.

4.5 Recommended Further works

The conclusions of the report recommended:

- Further investigation for pile design.
- A gas risk assessment is undertaken.
- The exact vertical and lateral extent of the landfill and suspected glacial till at depth beneath the area of the proposed extension is further investigated via trial trenching.

5 SITE HISTORY

5.1 Map Descriptions

In order to determine the history of the site, previous editions of Historical Maps and Ordnance Survey Plans were inspected. The Historical Maps are presented in Appendix B.

Table 1 presents a summary of the history of the area which includes plots from 1850 to 2024. The summary focuses on the historical land uses and changes relevant to the site and the proposed end use. Measurements are taken from the nearest boundary of the site and all distances quoted are approximate.

TABLE 1: SUMMARY OF SITE HISTORY

OS Map Edition	On-site Features	Off-site Features
1850 – 1851 1:10,560	The site looks to be agricultural.	A road is located on the eastern boundary of the site.
1893 1:2,500	No significant change.	An iron works is located on the southeast boundary. A cotton Mill is located 100m north of the site. A reservoir is located 20m north of the site. Residential properties located northeast of the site.
1894 1:10,560	No significant change.	More residential properties constructed east of the site.
1910 – 1929	No significant change.	No significant change.
1929 1:2,500	No significant change.	Hope works (bleaching, tanning, and finishing works) located on the northwest boundary.
1930 – 1963	No significant change.	No significant change.
1963 – 1964 1:2,500	Refuse tip in the south of the site.	Allotment Gardens located on the northeast boundary.
1964 – 1882	No significant change.	No significant change.
1982 – 1987 1:10,500	Entire site labelled as tip disused	No significant change.
1987 – 1999	No significant change.	No significant change.
2024 1:10,000	No significant change.	No significant change.

4.2 Potential Contamination Sources Identified via Historical Plans

Possible contamination from historical land uses which may have impacted the site have been identified:

Made ground from materials used to infill depressions and form a level area for access or building. This may include brick, concrete, timber, ash, slag, coal and metals.

Construction/demolition waste from construction and demolition immediately around the site over the documented history. This may include brick, concrete, timber, asbestos and metals.

Iron Works contaminants that may arise from Iron Works typically include metals such as lead, arsenic, cadmium or zinc and organic pollutants such as fuels, oils or PAHs.

Tannery/Clothing Factory on-site may have produced metalloid contamination such as chromium (from chrome salts) or arsenic (arsenic sulphides) or organic contamination such as chlorinated solvents or phenols, cresols and naphthalene.

6 ENVIRONMENTAL SETTING

6.1 Information Sources

The environmental setting of the site was determined through reference to the following:

- Envirocheck Report (including historical map extracts)
- British Geological Survey (BGS): 1:50 000 geological map series sheet 85 Manchester Solid and Drift Edition (2011)
- British Geological Survey (BGS): 1:10 000 geological map series sheet SD71NE Solid and Drift Geology
- Historical BGS boreholes
- David Bellis Coal Consultants Report
- BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings

6.2 Landfill and Waste

The Envirocheck Report indicates that there is 1no Registered Landfill Site located within the boundary of the site.

The Envirocheck Report indicates that there are no BGS Recorded Landfill Sites located within 250m of the site.

The Envirocheck Report indicates that there is 1no Historic Landfill Sites located within the site.

The Envirocheck report indicates that there are no Local Authority Recorded Landfill sites located within 250m of the site.

The Envirocheck Report indicates that there are no Waste Treatment, Transfer and Disposal Sites entries located within 250m of the site.

The Envirocheck Report indicates that there is 1no Licenced Waste Management Facilities located within 250m of the site. This is 105m west.

6.3 Regulated Industries

The Envirocheck Report indicates that there are 13no Contemporary Trade Directory Entries located within 250m of the site. the closest is 13m south and is labelled as a cleaning service.

The Envirocheck Report indicates that there are no Recorded Fuel Sites located within 250m of the site.

The Envirocheck Report indicates that there are no records of any Pollution controls located within 250m of the site.

The Envirocheck Report indicates that there are no sites dealing with Hazardous, Explosive or Radioactive Substances located within 500m of the site.

The Envirocheck Report indicates that there are no Substantiated Pollution Incidents located within 500m of the site.

The Envirocheck Report indicates that there are no Sites Determined as Contaminated Land under Part 2A EPA 1990 entries located within 500m of the site.

6.4 Geology

The drift deposits on site are likely to consist of Glacial Till however, significant infilled ground is also present onsite. (Figure 3). Nearby historical BGS boreholes indicate that the drift deposits are likely to be around 40m thick in the area.

The site is shown to be underlain by solid geology of Brooksbottom Grit Formation (BB) of THE Carboniferous Millstone Grit. (Figure 4).

A Coal seam (Brooksbottom Coal Seam) extends through the site and is expected to underlie the northwestern part of the site. A nearby borehole indicates that this seam may be around 50m bgl.

No significant geological hazards have been identified in the Envirocheck report.

6.5 Mining & Quarrying

The site is within a Coal Mining Affected Area as defined by the Coal Authority, as a result a coal mining search report was required to assess the risks posed by historic and possible future coal mining to any current or future developments on the site.

The coal mining search report conducted by David Bellis Consulting Surveyors dated 15th April 2024 is presented in Appendix D.

The mining report highlights that the site is situated in an area where no seams have been worked within the likely zone of physical influence on the surface.

The report highlights that the site is not situated within the boundary of a former opencast coal mining site. Neither is the site located within 200m of a currently operating opencast coal mine or 800m of a future opencast coal mine.

The report follows on to state that they have no knowledge of any shafts or adits within 20m of the site or the boundary of the site. Also, there are no tips or lagoons in the vicinity of the site. It is highlighted that there are possible ancient shallow coal mining workings within the likely zone of influence on the surface in the vicinity of the property, for which no accurate plans or records exist.

The report concludes that in their opinion it is unlikely that coal will be worked in the foreseeable future.

The Envirocheck Report indicates that there are 7no BGS recorded Mineral Sites located within 1km of the site. The nearest is located 792m west of the site with the commodity listed as Sandstone.

The site is not within 1km of a non-Coal mining area of Great Britain.

The site is not within 1km of a Man-Made Mining Cavity.

The site is not within 1km of a Natural Cavity.

The site is not within 1km of a Brine Compensation area.

6.6 Hydrogeology

Using the Environment Agency's Policy and Practice for the Protection of Groundwater the solid geology beneath the site is classified as a Secondary Aquifer – A. The overlying drift is classified as Secondary Aquifer – Undifferentiated.

The groundwater vulnerability is categorised as Secondary Superficial Aquifer – Medium Vulnerability.

The site does not lie within a Source Protection Zone.

The Envirocheck Report indicates that there are 10no Groundwater Abstractions located within 1km of the site. The closest is 87m north of the site.

6.7 Hydrology

The nearest surface water feature is a Brook located 96m south of the site.

The Envirocheck Report states there are no Licensed Discharge Consents entries within 500m of the site.

The Envirocheck Report states there are no Records of Water Industry Act Referrals (potentially harmful discharges to the public sewer) located within 500m of the site.

The Envirocheck Report indicates that there are no Surface Water Abstractions located within 1km of the site.

6.8 Flooding

The Envirocheck Report states the site is not at risk of Flooding or Extreme Flooding from Rivers and the Seas without defences,

The Envirocheck Report indicates that there are no flood defences, flood water storage areas or areas benefiting from flood defences and flood storage present within 250m of the site.

The Envirocheck Report states that there is Potential for Groundwater Flooding to occur at the surface.

6.9 Sensitive Land Use

A Site of Special Scientific Interest is located 633m northwest of the site.

A Record of a National Nature Reserve is located 844m west of the site.

An area of Green Belt land is located 218m northwest of the site.

The site does not lie within 2km of any other form of Designated Environmentally Sensitive Sites or Protected Areas.

6.10 Radon Gas

The site is not in a Radon Affected Area, as less than 1% of properties are estimated to be at or above the Action Level.

In accordance with the procedure described in BRE Publication BR211 Radon: Guidance on Protective Measures for New Dwellings, no radon protection measures are necessary for new buildings or extensions on the site.

7 CONCEPTUAL SITE MODEL

7.1 General

Based on the information presented in the preceding Sections, and in accordance with the LCRM guidance noted in Section 1, a Preliminary Conceptual Site Model has been produced.

The main features of the model are discussed in the following sections together with preliminary recommendations where appropriate.

7.2 Likely Ground Conditions

It is expected that, based on available information, ground conditions are likely to be made ground comprising possible refuse deposits. Made ground likely to be deepest around the area of the refuse tip in the south of the site. The drift deposits on site are likely to comprise glacial till (clay) deposits overlying a sandstone bedrock.

7.3 Potential Buried Obstructions

Based on the site history, buried obstructions are likely but cannot be wholly discounted. Cobbles, bricks, and stone blocks are the most likely obstructions.

7.4 Coal Mining Risk Assessment

The site is within a Coal Mining Reporting Area as defined by the Coal Authority.

No coal seams have been known to have been worked in the area. In addition, the shallowest seam underlying the site is expected to be at a depth of at least 50m bgl and as such, unrecorded workings within it should not impact on shallow foundations.

Should deep piles form part of the development into rockhead, then the risk posed by unrecorded shallow workings may have to be investigated further,

7.5 Preliminary Geotechnical Assessment

Given the expected ground conditions noted in the sections above, the use of shallow foundations for the new development may not be possible due to the expected and recorded deep made ground. A piled foundation solution may be required.

The above suggestions should be regarded as tentative until Phase 2 intrusive works are undertaken, and information is available regarding design loads and development layout.

7.6 Preliminary Contamination Assessment

The desk study has shown that the site may have been exposed to some contamination, refuse deposits and possibly contamination linking to the surrounding iron works and cotton factory.

In view of the historic, current and future site use, chemical contamination testing is considered necessary. The following chemical testing suite should be considered for selected soil samples:

TABLE 2: POTENTIAL PRIORITY CONTAMINANTS

Inorganic Contaminants	Organic Contaminants
Arsenic, Boron, Cadmium, Chromium, Lead, Mercury, Nickel, Zinc, Selenium, Free Cyanide, Soluble Sulphate, pH, Asbestos	Phenol, Organic Matter, speciated PAH, TPH CWG

It should be noted that the above potential contaminants are considered to be commonly associated with the specified past land uses of the site, and adjacent land use. Risk assessment should be undertaken for contamination identified during intrusive investigation.

Potential pathways which link the potential contaminants to end users of the site and controlled waters (receptors) include the following:

- Ingestion of soil (outdoors) / dust (indoors)
- Skin contact with soil (outdoors) / dust (indoors)
- Inhalation of dust (outdoors and indoors)
- Contamination via buried water pipes
- Surface water run-off, including via existing drainage infrastructure.
- Downward infiltration of leachable contaminants to groundwater

7.7 Potential Sources of Ground Gas

Ground gases such as carbon dioxide and methane can be classed as a form of contamination. Potential sources of ground gases include:

- Made Ground
- Quarries, Infilled Clay Pits & Infilled Ponds
- Underlying Natural Strata (alluvium, peat and chalk)
- Petrol re-fuelling sites (which also includes Volatile Organic Compounds)
- Landfill (on and off-site)
- Coal measures

Based on historical map evidence and consideration of the sites environmental setting the table below shows a preliminary comparison of *consequence* against *probability* where ground gas is considered a potential threat to human health.

Although the site is known to lie within the boundaries of a historic landfill, previous ground investigations suggest that the pavilion (and associated proposed extension) are sat atop ~2.5m of glacial till fill above natural strata rather than the main waste types associated with this landfill (household and industrial waste, ash and Victorian refuse). Reworked glacial till is likely to have a significantly lower potential to be a source of ground gas, coupled with acting as a low permeability barrier, which would limit ground gas migration.

Additionally, it is understood that during the installation of landfill gas mitigation measures in the mid 1990's, a bentonite cut off wall was installed to limit lateral migration of ground gas. The pavilion is noted to sit to the north of this wall, and not on an area of historic landfill waste.

TABLE 3: POTENTIAL GROUND GAS POLLUTION LINKAGES

Potential Sources	Potential Pathway	Receptor
Made ground (CO ₂ , CO and CH ₄). Coal measures (CO ₂ , CO and CH ₄) and stythe gas or oxygen depletion. Landfills (CO ₂ and CH ₄).	Ingress and Accumulation into buildings from vertical and horizontal migration	Future users of site are likely to include adults and children. Construction workers.
Preliminary Comparison of Consequence versus Probability		
	Classification	Justification
Probability <i>(Based on Table 8.1, CIRIA C665, 2007)</i>	LOW LIKELIHOOD	Ground gas from made ground.
		Landfills located within the site boundary, however a bentonite cut off wall is noted between the pavilion and landfill, limiting lateral migration.
		No coal mining in area.
Consequence <i>(Based on Table 8.2, CIRIA C665, 2007)</i>	LOW - HIGH	Recreational open-air development. Extension to building/pavilion.
	Risk	Details
Consequence vs. Probability <i>(Based on Table 8.3, CIRIA C665, 2007)</i>	LOW/MODERATE RISK	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the long term. <i>(Based on Table 8.4, CIRIA C665, 2007).</i>

Based on the information above, consideration should be given to either undertaking on-site ground gas monitoring comprising 6no visits over 3no months, or alternatively, consideration may be given to incorporating ground gas protection measures into the pavilion extension designs. These measures should be designed in line with guidance for Characteristic Situation 2.

7.8 Risk Assessment for Contaminated Land

As part of this Phase 1 Desk Study, a preliminary conceptual model and risk assessment is produced. This assessment should be revised following the Phase 2 Site Investigation outlining a qualitative risk assessment. Should there be unacceptable risks to the various receptors/end-users following the Phase 2 works, then a remediation strategy may be required to outline measures to satisfy Part 2A of the Environmental Protection Act (1990). The above measures are in line with Environment Agency *Land Contamination Risk Management*, which replaced the now-withdrawn Contaminated Land Report 11 – *Model Procedures for the Management of Land Contamination* (2004).

The results of the chemical contamination testing as part of the Phase 2 investigation should be compared to a current Land Quality Management (LQM) – Suitable 4 Use Levels (S4UL) December 2014.

7.9 Conceptual Site Model

The conceptual model collates the salient aspects of the site to form a model which should enable comparison after fieldwork and testing. This model identifies the potential pollution linkages that may influence the proposed development and geotechnical considerations.

The risk ratings are based on the current potential liabilities and likely potential future liabilities. The risks posed by the geotechnical and contamination aspects of the site will be revised following site works, and any mitigating action required added.

The Preliminary Conceptual Model has been undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, which is then used to produce the Preliminary Conceptual Model. Full details of the tables used to assess consequence, likelihood and risk classification are presented in Appendix E.

TABLE 4: PRELIMINARY CONCEPTUAL MODEL

Source	Pathway	Receptor	Risk Rating	Comments
Asphyxiating or explosive ground gases - Made ground - Landfills within site Boundary - Not in Radon Affected Area	Ground gas migration - Migration through permeable soils - Inhalation	Future site users Transient adults and Children	Moderate/Low	Ground gas protection measures to be incorporated into the design for any enclosed structures.
		Users during development Construction workers	Moderate/Low	
Areas of contamination - Potential contaminants in made ground - Potential demolition/construction waste - A tip is present on site	- Inhalation - Dust ingestion - Dermal contact	Future site users Transient adults and Children	High	Landscaping on site. Risk to be assessed via testing.
		Users during development Construction workers	Moderate	Contamination testing required to determine risks posed during construction. Consideration to be given to Health and Safety Executive Guidance. <i>Protection of Workers and the General Public During the Development of Contaminated Land.</i>
	- Inhalation - Dust ingestion	Users of surrounding sites Resident adults and children	Moderate	Potential risk during construction from dust generation. Contamination testing required to quantify the risks.
		Drift geology Secondary aquifer undifferentiated	Low	Low sensitivity aquifer unlikely to contain significant groundwater
	Leaching of mobilised contaminants	Solid geology Secondary Aquifer A	Moderate /Low	Medium sensitivity Aquifer located beneath low permeability drift deposits.
	- Drainage - Lateral migration - Accumulation of contaminated sediment	Surface water features Brook 97m south	Moderate	Very limited potential for contamination from site to reach surface water, either via surface run-off or groundwater movement.
	Uptake via roots and leaf surfaces	Vegetation Vegetation onsite	moderate	Vegetation impact as the site is a large grass area.
Areas of contamination above service fabric or BRE Special Digest 1 thresholds	Direct contact	Construction Materials Concrete	Moderate	pH and sulphates to be assessed during Site Investigation
	Direct contact	Construction Materials Service Fabric	Moderate	Consideration to be given to Pipe Material Table (Appendix E) during Site Investigation

8 PROPOSED PHASE TWO INTRUSIVE WORKS

A Phase 2 Site Investigation should be undertaken to verify the assumptions made in the Preliminary Conceptual Site Model and to provide data for foundation design.

An outline ground investigation strategy is summarised below, based on the preliminary conceptual site model and information obtained during the desk study.

8.1 Site Investigation Rationale

The Conceptual Model highlights that there is potential for contamination on the site. Therefore, an intrusive investigation should be undertaken with the sampling strategies outlined within BS10175:2011 +A1:2013 and CLR4:1994. These strategies can be considered as:

- Non targeted (BS10175) – If no obvious hotspots or potential sources of contamination have been outlined in the desk study, it would be recommended to utilise a stratified random pattern of sampling locations.
- Targeted (CLR4) – If a possible hotspot is suspected on the site, it is recommended to adopt a targeted approach to sample the immediate vicinity of the hotspot. Highly focussed sampling consisting of several samples within the area of the hotspot may be necessary to delineate the extent of the hotspot.

These strategies can be employed either separately or in conjunction and any site investigation should be individually tailored to each site.

The density of sampling required is defined within BS10175 which notes that the density required is dependent on a number of factors including confidence and robustness required, and contaminants, pathways and receptors present.

8.2 Site Specific Sampling Rationale

The analysis of the historical maps and the Conceptual Model has highlighted that specific point sources of contamination may be present, or may historically have been present, on the site. It is recommended that a targeted approach is utilised in order to prove and delineate the extent of these hotspots. The hotspots outlined for targeted analysis are detailed below.

The site was previously a landfill and as such additional information will be required in those areas not previously investigated and to assess offsite disposal of arisings.

The chemical testing proposed for the site is outlined in Section 6.6.

8.3 Proposed Methods of Investigation

The methods of investigation outlined within Table 6 are considered necessary to address the risks outlined within the Conceptual Model. The locations of these investigation positions will be set out in line with the proposed sampling methodology outlined in Section 7.2.

TABLE 5: SITE INVESTIGATION RECOMMENDATIONS

Proposed method of investigation	Purpose	Comments
A series of cable percussive boreholes to ca. 15/20.00mbgl to prove rockhead depth.	- To determine ground conditions local to the proposed structures. - To collect soil samples for geotechnical and chemical testing. - To observe soils profile, localised variations in materials and presence of groundwater.	- Ensure positions are CAT scanned and service plans inspected prior to any excavation. - Hand vanes to be taken in cohesive deposits. - SPT samples in granular strata and rock head. - Disturbed and jar samples to be undertaken for chemical testing.
Trial pitting to ca. 3.00mbgl	- To assess the shallow ground conditions in the area of the proposed pavilion extension and obtain samples for chemical testing. - To undertake insitu hand shear vanes. - To undertake soakaway tests and insitu CBR testing.	Ensure positions are CAT scanned and service plans inspected prior to investigation. Trial pits required to accompany the boreholes.
Chemical testing	To allow the potential risks identified within the conceptual model to be addressed.	Chemical soils testing to cover potential priority contaminants from Table 2.
Geotechnical testing	To confirm material properties and to provide concrete classification of materials.	Tests may include sulphate analysis, pH, moisture content, Atterberg limit determination, particle size distribution tests and triaxial testing. Further tests may be required depending on the materials encountered.

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APPENDIX A



12-16 Yarm Road, Stockton on Tees, TS18 3NA
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Figure Title

Street Map Site Plan

Project Number

M24-042

Project Name

Top Park

Client

Steve Wells Associates

Date

April 2024

DRG Number

Figure 1

Scale

1:6000 @ A4 [DO NOT SCALE]

Legend Key

-  Locations By Type - Empty
-  Project Bounds - Project Bounds



12-16 Yarm Road, Stockton on Tees, TS18 3NA
Tel: 01642 607083 Email: info@solmek.com

Figure Title

Aerial Site Plan

Project Number

M24-042

Project Name

Top Park

Client

Steve Wells Associates

Date

April 2024

DRG Number

Figure 2

Scale

1:6000 @ A4 [DO NOT SCALE]

- Legend Key
-  Locations By Type - Empty
 -  Project Bounds - Project Bounds



12-16 Yarm Road, Stockton on Tees, TS18 3NA
Tel: 01642 607083 Email: info@solmek.com

Figure Title

Superficial Geology

Project Number

M24-042

Project Name

Top Park

Client

Steve Wells Associates

Date

April 2024

DRG Number

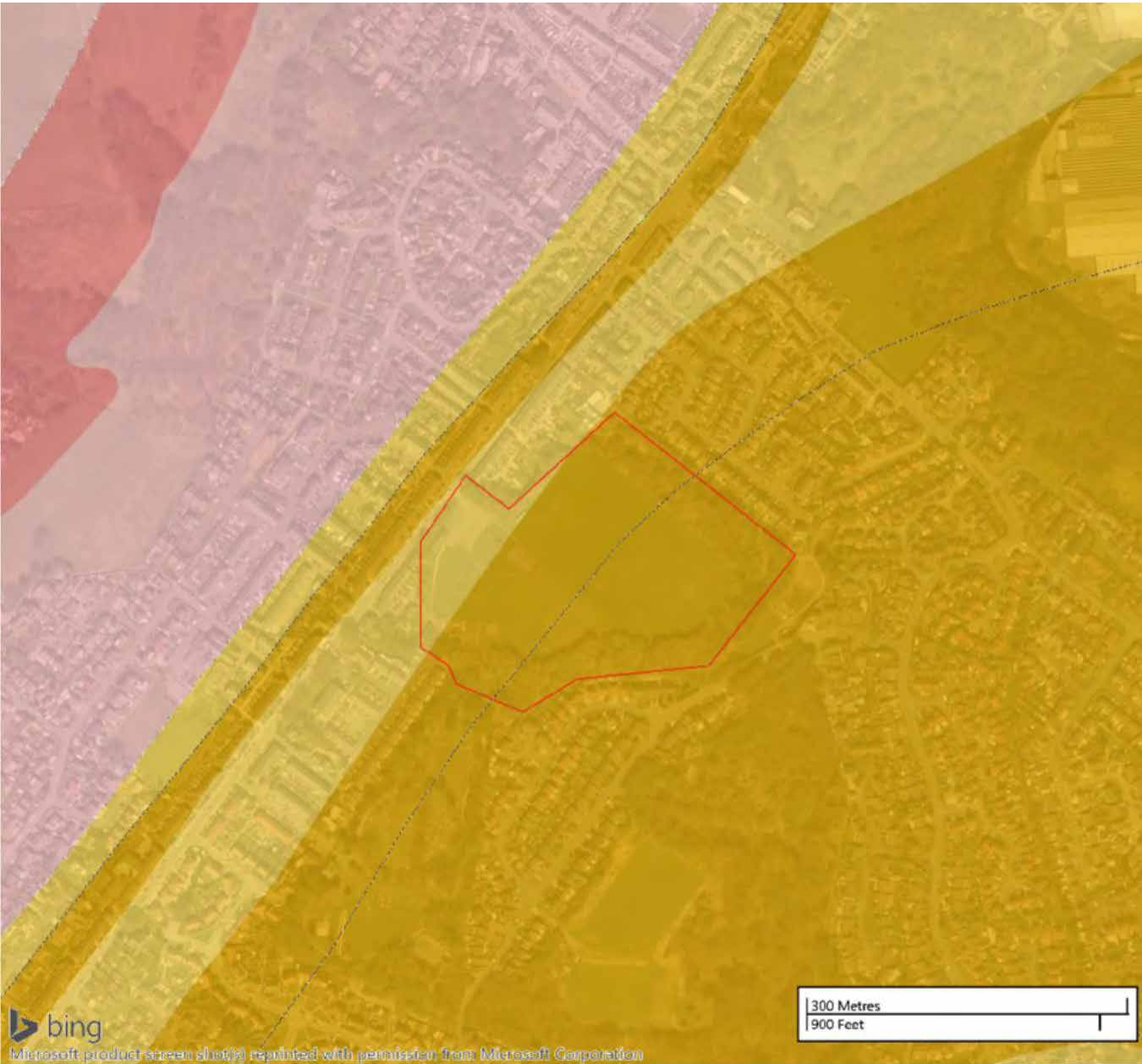
Figure 3

Scale

1:6000 @ A4 [DO NOT SCALE]

Legend Key

- Till, Devensian - Diamiction
- Alluvium – Clay, Silt, Sand and Gravel
- Head - Diamicton
- Glaciofluvial Deposits – Sand and Gravel



12-16 Yarm Road, Stockton on Tees, TS18 3NA
Tel: 01642 607083 Email: info@solmek.com

Figure Title

Solid Geology

Project Number

M24-042

Project Name

Top Park

Client

Steve Wells Associates

Date

April 2024

DRG Number

Figure 4

Scale

1:6000 @ A4 [DO NOT SCALE]

Legend Key

-  Lower Haslingden Flags - Sandstone
-  Rossendale Formation – Mudstone and Siltstone
-  Mardsten Formation – Mudstone and Siltstone
-  Brooksbottoms Grit - Sandstone



Figure 1: A photo of the existing pavilion on site.



Figure 2: A photo taken looking southwest from the pavilion area.

Title	Date	Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com 
Site Walkover Photos	April 2024	
Project	Figure No.	
Top Park Bury	5	
Client		
Steve Wells Associates		



Figure 3: A photo of the carpark on site.



Figure 4: A photo taken looking northeast across the site from the courts.

Title	Date	Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com  SOLMEK
Site Walkover Photos	April 2024	
Project	Figure No.	
Top Park Bury	5	
Client		
Steve Wells Associates		



Figure 5: A photo of the courts on site taken from the carpark.



Figure 6: A photo of access to the fields from the carpark on site.

Title	Date	Solmek Ltd. 12 Yarm Road Stockton-on-Tees TS18 3NA Tel: +44 (0) 1642 607083 Fax: +44 (0) 1642 612355 e-mail: south@solmek.com www.solmek.com 
Site Walkover Photos	April 2024	
Project	Figure No.	
Top Park Bury	5	
Client		
Steve Wells Associates		

APPENDIX B

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit

Sand Pit

Other Pits

Quarry

Shingle

Orchard

Osiers

Reeds

Marsh

Mixed Wood

Deciduous

Brushwood

Fir

Furze

Rough Pasture

Arrow denotes flow of water

Trigonometrical Station

Site of Antiquities

Bench Mark

Pump, Guide Post, Signal Post

Well, Spring, Boundary Post

-285 Surface Level

Sketched Contour

Instrumental Contour

Main Roads

Fenced

Un-Fenced

Minor Roads

Fenced

Un-Fenced

Sunken Road

Raised Road

Road over Railway

Railway over River

Railway over Road

Level Crossing

Road over River or Canal

Road over Stream

Road over Stream

County Boundary (Geographical)

County & Civil Parish Boundary

Administrative County & Civil Parish Boundary

County Borough Boundary (England)

County Borough Boundary (Scotland)

Rural District Boundary

Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry

Gravel Pit

Sand Pit

Disused Pit or Quarry

Refuse or Slag Heap

Lake, Loch or Pond

Dunes

Boulders

Coniferous Trees

Non-Coniferous Trees

Orchard

Scrub

Coppice

Bracken

Heath

Rough Grassland

Marsh

Reeds

Saltings

Building

Glasshouse

Direction of Flow of Water

Shingle

Sand

Sloping Masonry

Pylon

Electricity Transmission Line

Pole

Cutting

Embankment

Standard Gauge Multiple Track

Standard Gauge Single Track

Siding, Tramway or Mineral Line

Narrow Gauge

Geographical County

Administrative County, County Borough or County of City

Municipal Borough, Urban or Rural District, Burgh or District Council

Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries

Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS Boundary Post or Stone

Ch Church

CH Club House

F E Sta Fire Engine Station

FB Foot Bridge

Fn Fountain

GP Guide Post

MP Mile Post

MS Mile Stone

Pol Sta Police Station

PO Post Office

PC Public Convenience

PH Public House

SB Signal Box

Spr Spring

TCB Telephone Call Box

TCP Telephone Call Post

W Well

1:10,000 Raster Mapping

Gravel Pit

Refuse tip or slag heap

Rock

Rock (scattered)

Boulders

Boulders (scattered)

Shingle

Mud

Sand

Sand Pit

Slopes

Top of cliff

General detail

Underground detail

Overhead detail

Narrow gauge railway

Multi-track railway

Single track railway

County boundary (England only)

Civil, parish or community boundary

District, Unitary, Metropolitan, London Borough boundary

Constituency boundary

Area of wooded vegetation

Non-coniferous trees

Non-coniferous trees (scattered)

Coniferous trees

Coniferous trees (scattered)

Positioned tree

Orchard

Coppice or Osiers

Rough Grassland

Heath

Scrub

Marsh, Salt Marsh or Reeds

Water feature

Flow arrows

MHW(S) Mean high water (springs)

MLW(S) Mean low water (springs)

Telephone line (where shown)

Electricity transmission line (with poles)

Bench mark (where shown)

Triangulation station

Point feature (e.g. Guide Post or Mile Stone)

Pylon, flare stack or lighting tower

Site of (antiquity)

Glasshouse

General Building

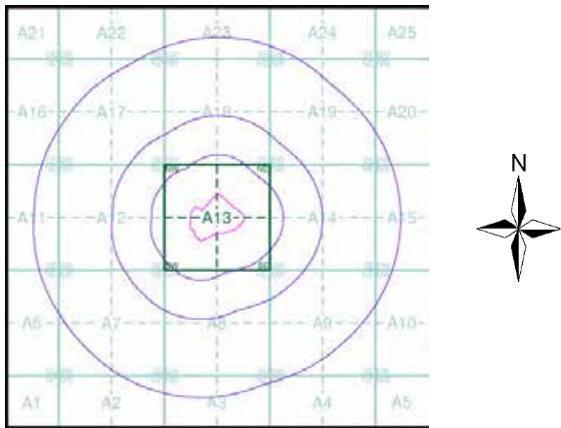
Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1850 - 1851	2
Lancashire And Furness	1:10,560	1894	3
Lancashire And Furness	1:10,560	1912	4
Lancashire And Furness	1:10,560	1930	5
Lancashire And Furness	1:10,560	1938 - 1939	6
Ordnance Survey Plan	1:10,000	1955 - 1956	7
Ordnance Survey Plan	1:10,000	1967 - 1969	8
Ordnance Survey Plan	1:10,000	1974	9
Ordnance Survey Plan	1:10,000	1982 - 1987	10
Ordnance Survey Plan	1:10,000	1993	11
10K Raster Mapping	1:10,000	1999	12
Street View	Variable		13

Historical Map - Slice A



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



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

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

	Quarry		Gravel Pit		Sand Pit
	Clay Pit		Shingle		Refuse Heap
	Sloping Masonry		Flat Rock		
	Marsh		Reeds		Osiers
	Rough Pasture		Furze		Wood
	Mixed Wood		Brushwood		Orchard
	Fir		Ford		Stepping Stones
	Ferry		Waterfall		Lock

	Trig. Station	507 	Altitude at Trig. Station
<i>B.M. 325-9</i> 	Bench Mark	342 +	Surface Level
	Arrow denotes flow of water		Antiquities (site of)



Cutting



Embankment

Railway crossing Road

Level Crossing

Road crossing Railway

Railway crossing
River or Canal

Road over
single stream

Road over
River or Canal

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

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

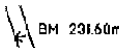
	or		Inactive Quarry, Chalk Pit or Clay Pit		Active Quarry, Chalk Pit or Clay Pit
			Rock		

	Orchard Tree		Scrub		Bracken
	Coppice, Osier		Reeds		Marsh, Saltings
	Rough Grassland		Heath		Culvert
	Direction of water flow		Bench Mark		Antiquity (site of)
	Cave Entrance		Triangulation Station		Electricity Pylon

	Electricity Transmission Line
	County Boundary (Geographical)
	County & Civil Parish Boundary
	Civil Parish Boundary
	Admin. County or County Bor. Boundary
	London Borough Boundary
	Symbol marking point where boundary mereing changes

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

Slopes		Top	
	Cliff		Rock (scattered)
	Boulders		Positioned Boulder
	Non-Coniferous Tree (surveyed)		Coniferous Tree (surveyed)
	Non-Coniferous Trees (not surveyed)		Coniferous Trees (not surveyed)
	Orchard Tree		Scrub
	Coppice, Osier		Reeds
	Rough		Heath
	Marsh, Saltings		Culvert

	Direction of water flow		Triangulation Station		Antiquity (site of)
	Electricity Transmission Line		Electricity Pylon		
	Bench Mark		Buildings with Building Seed		
	Roofed Building		Glazed Roof Building		
	Civil parish/community boundary				
	District boundary				
	County boundary				
	Boundary post/stone				
	Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)				

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



Mapping Type	Scale	Date	Page
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1929	4
Lancashire And Furness	1:2,500	1937 - 1938	5
Ordnance Survey Plan	1:2,500	1963 - 1964	6
Ordnance Survey Plan	1:2,500	1971	7
Ordnance Survey Plan	1:1,250	1978	8
Additional SIMs	1:2,500	1980	9
Additional SIMs	1:1,250	1986 - 1989	10
Additional SIMs	1:1,250	1987 - 1989	11
Additional SIMs	1:1,250	1988	12
Additional SIMs	1:1,250	1989	13
Additional SIMs	1:1,250	1990	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	1994	17

The figure shows a 5x5 grid of points labeled A1 to A25. The points are arranged in a regular grid. A central point, A13, is highlighted with a black square and a purple contour line, indicating it is the center of the data distribution.



Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 100

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



Lancashire And Furness

Published 1850 - 1851

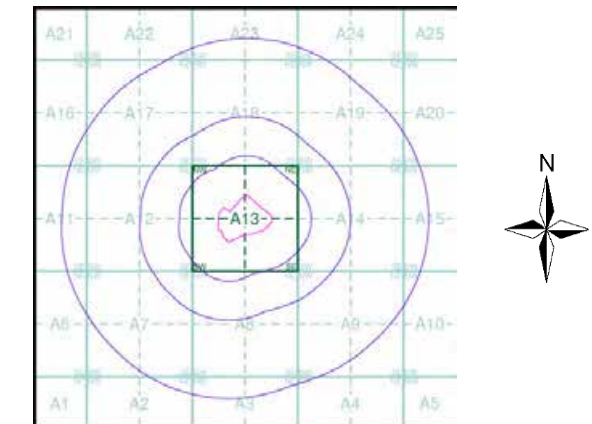
Source map scale - 1:10,560

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)

07900 1850 1:10,560	08000 1851 1:10,560
---------------------------	---------------------------

Historical Map - Slice A



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD

Landmark
INFORMATION GROUP

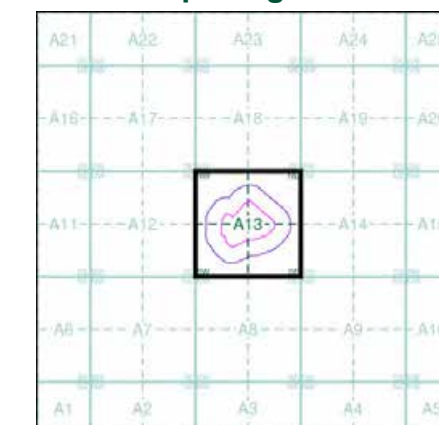
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

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)

079_12
1893
1:2,500
079_16
1893
1:2,500

Historical Map - Segment A13

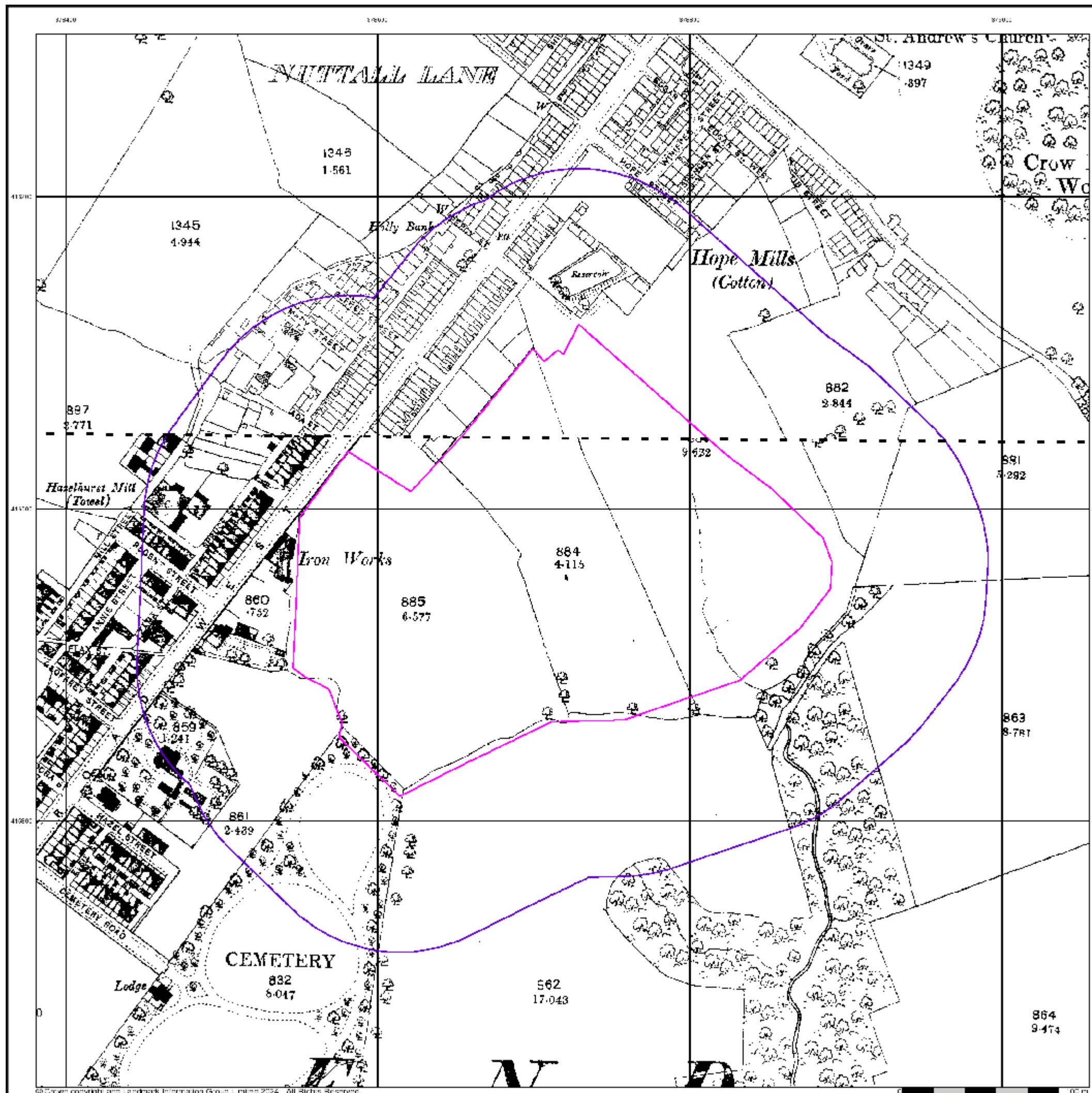


Order Details

Order Number: 342589837_1_1
 Customer Ref: M24-042
 National Grid Reference: 378710, 415960
 Slice: A
 Site Area (Ha): 6.18
 Search Buffer (m): 100

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



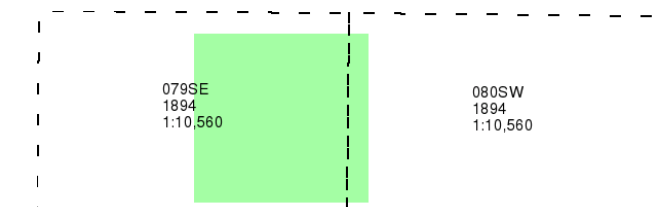
Lancashire And Furness

Published 1894

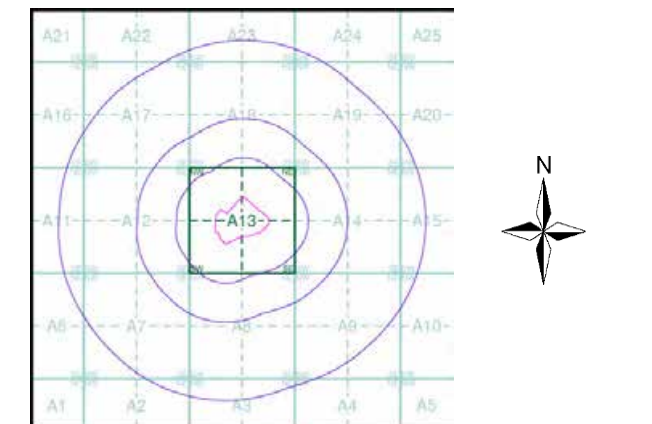
Source map scale - 1:10,560

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

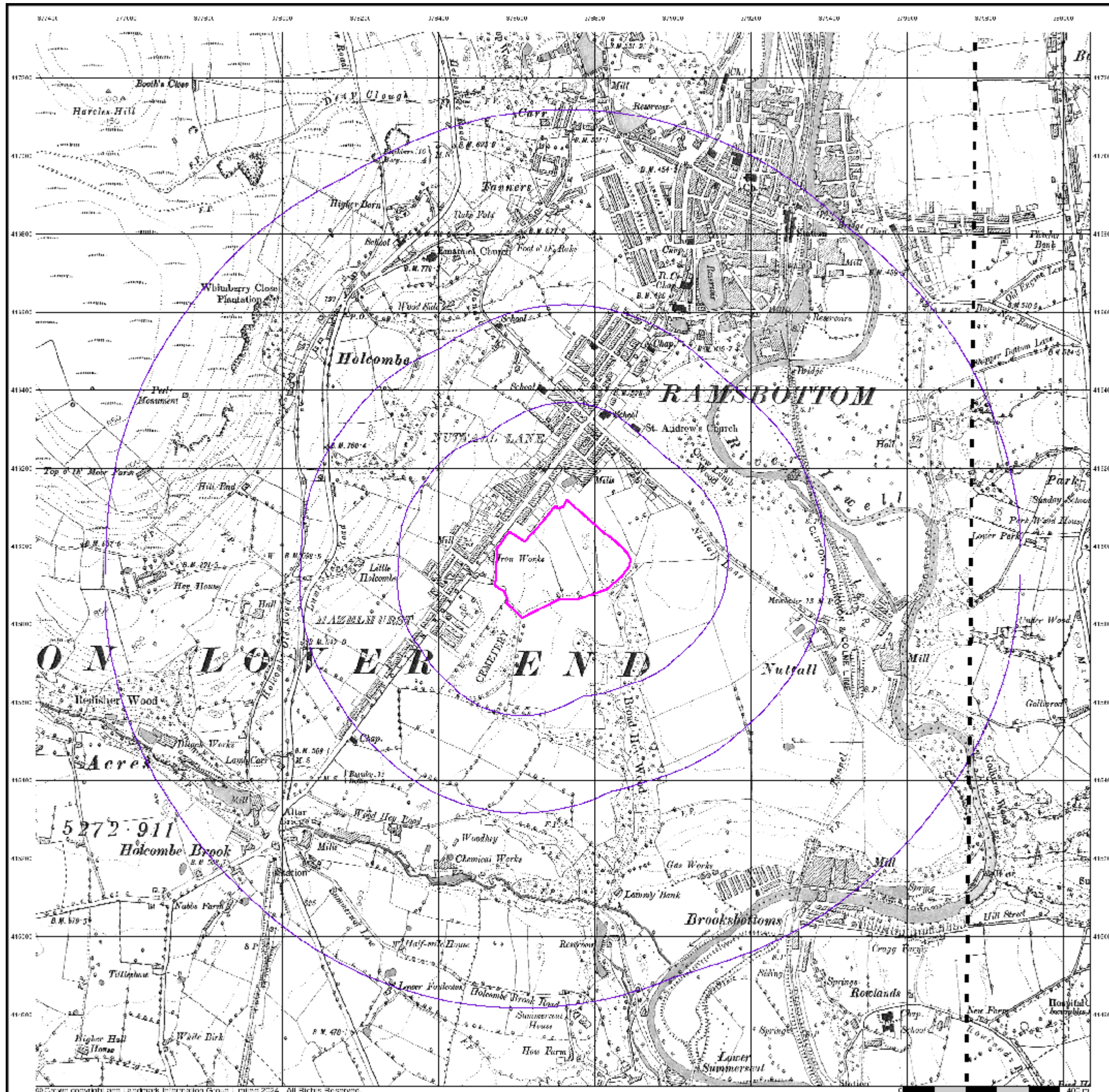


Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



Lancashire And Furness

Published 1910

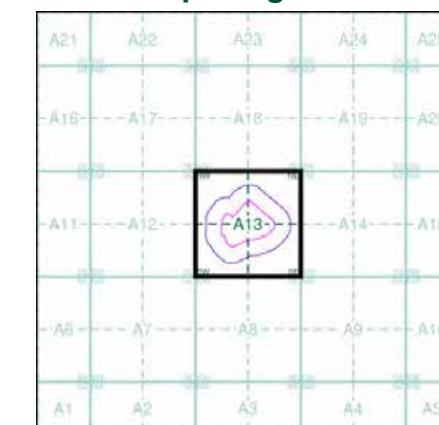
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

079_12
1910
1:2,500
079_16
1910
1:2,500

Historical Map - Segment A13

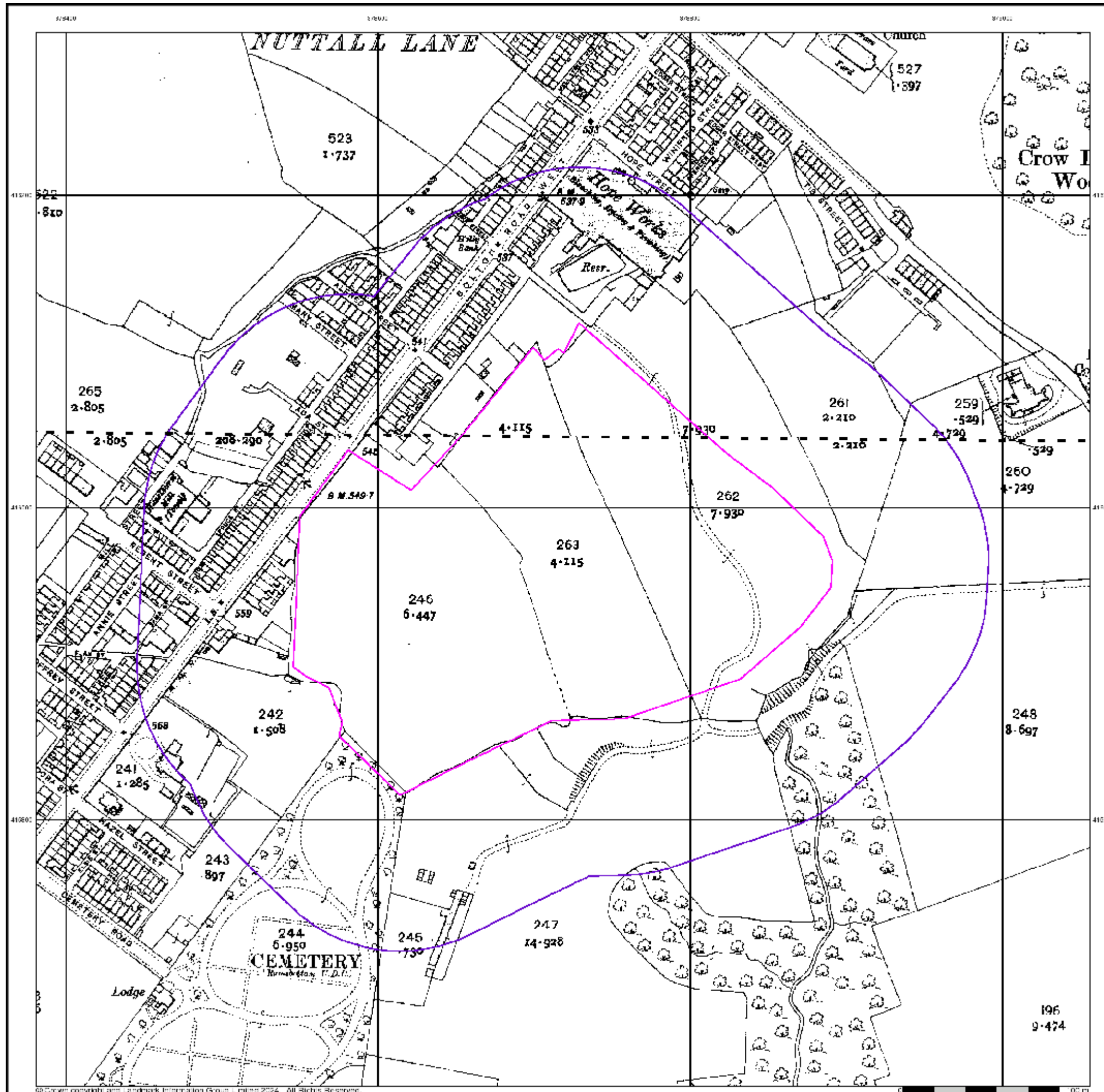


Order Details

Order Number: 342589837_1_1
 Customer Ref: M24-042
 National Grid Reference: 378710, 415960
 Slice: A
 Site Area (Ha): 6.18
 Search Buffer (m): 100

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD





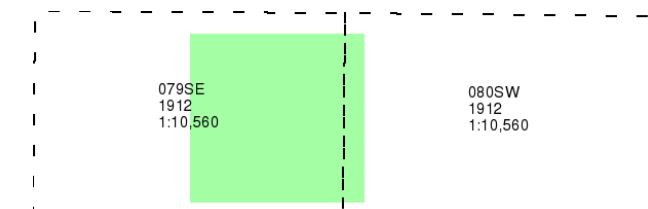
Lancashire And Furness

Published 1912

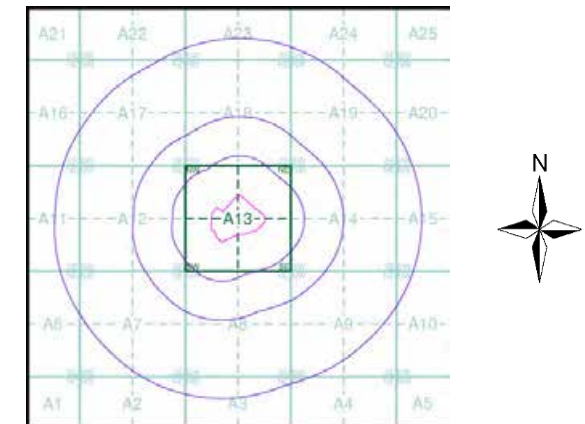
Source map scale - 1:10,560

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

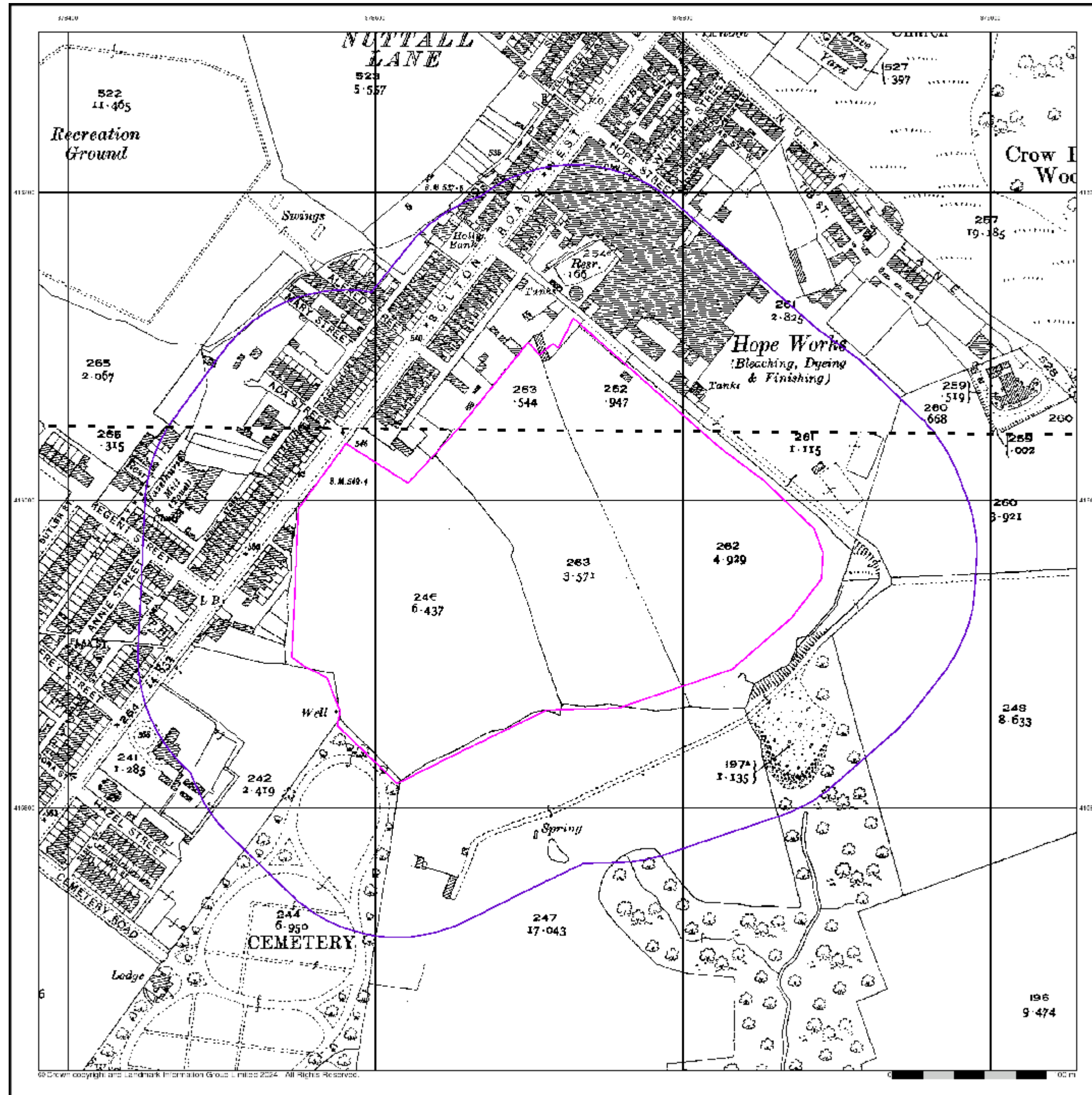
Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



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



Lancashire And Furness

Published 1929

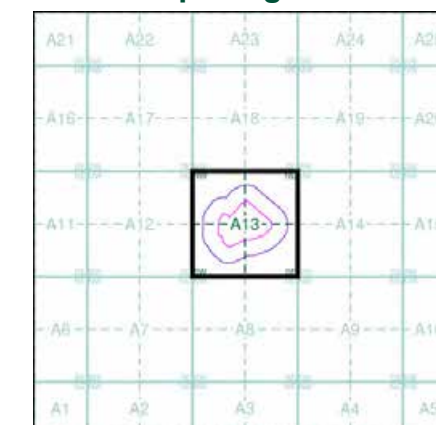
Source map scale - 1:2,500

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)

079_12
1929
1:2,500
079_16
1929
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 100

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD

Landmark
INFORMATION GROUP

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



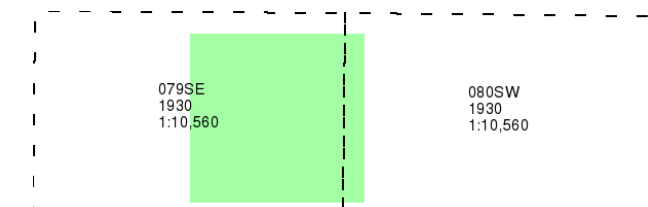
Lancashire And Furness

Published 1930

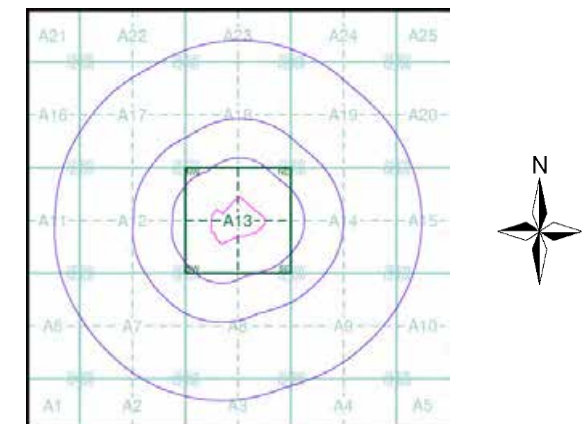
Source map scale - 1:10,560

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: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD

Landmark
INFORMATION GROUP

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



Lancashire And Furness

Published 1937 - 1938

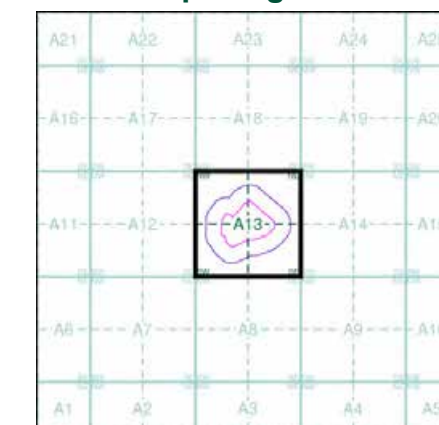
Source map scale - 1:2,500

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)

079_12
1938
1:2,500
079_16
1937
1:2,500

Historical Map - Segment A13



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 100

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD

Landmark
INFORMATION GROUP

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

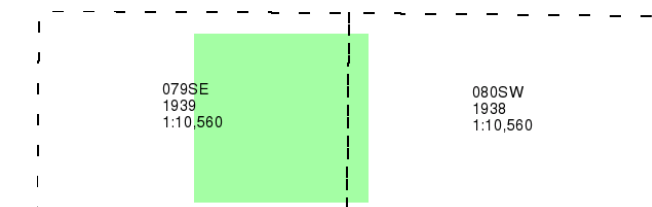
Lancashire And Furness

Published 1938 - 1939

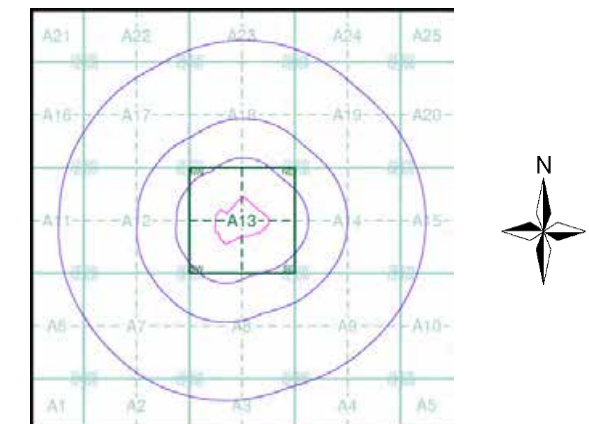
Source map scale - 1:10,560

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

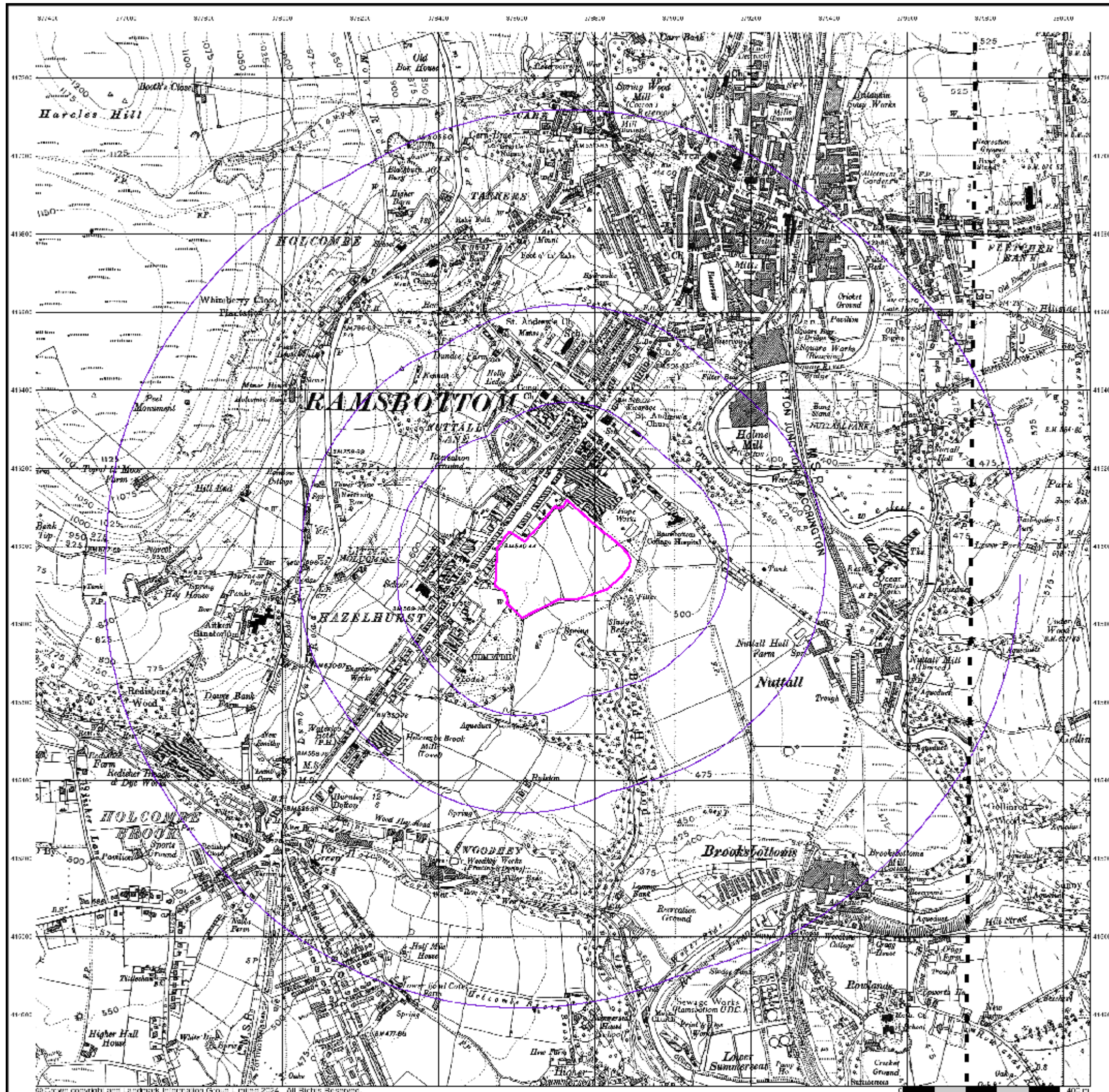


Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD





Ordnance Survey Plan

Published 1955 - 1956

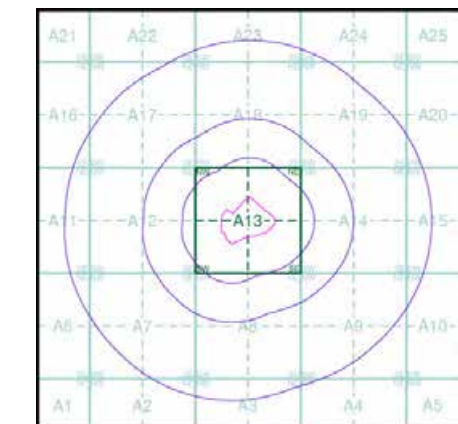
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD71NE	SD81NW
1955	1956
1:10,560	1:10,560
SD71SE	SD81SW
1956	1956
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD

Landmark
INFORMATION GROUP

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Ordnance Survey Plan

Published 1963 - 1964

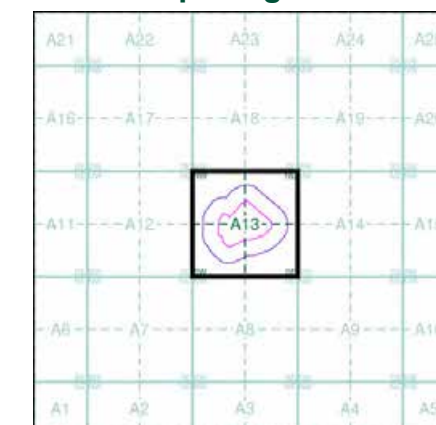
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SD7816 1964 1:2,500	SD7916 1964 1:2,500
SD7815 1963 1:2,500	SD7915 1963 1:2,500

Historical Map - Segment A13



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 100

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



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Ordnance Survey Plan

Published 1967 - 1969

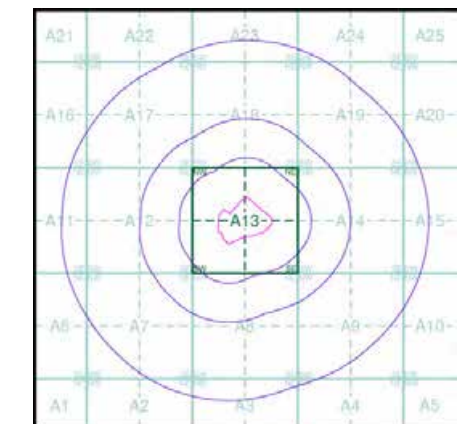
Source map scale - 1:10,000

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)

SD71NE	SD81NW
1968	1967
1:10,560	1:10,560
SD71SE	SD81SW
1969	1967
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



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



Ordnance Survey Plan

Published 1978

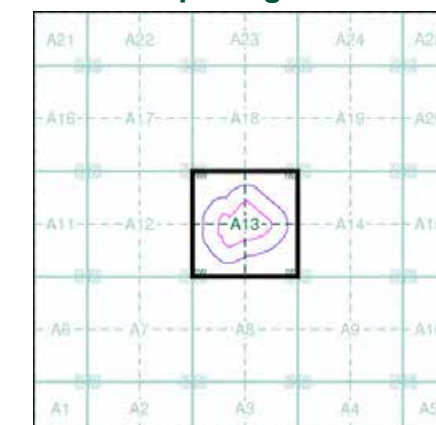
Source map scale - 1:1,250

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)

SD7816SW 1978 1:1,250	SD7816SE 1978 1:1,250	SD7916SW 1978 1:1,250
SD7815NW 1978 1:1,250	SD7815NE 1978 1:1,250	SD7915NW 1978 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 100

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD

Landmark
INFORMATION GROUP

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Web: www.envirocheck.co.uk



Ordnance Survey Plan

Published 1982 - 1987

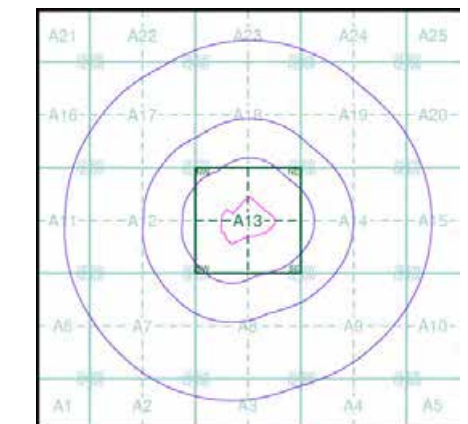
Source map scale - 1:10,000

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)

SD71NE 1982 1:10,000	SD81NW 1987 1:10,000
SD71SE 1982 1:10,000	SD81SW 1984 1:10,000

Historical Map - Slice A



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD

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Additional SIMs

Published 1986 - 1989

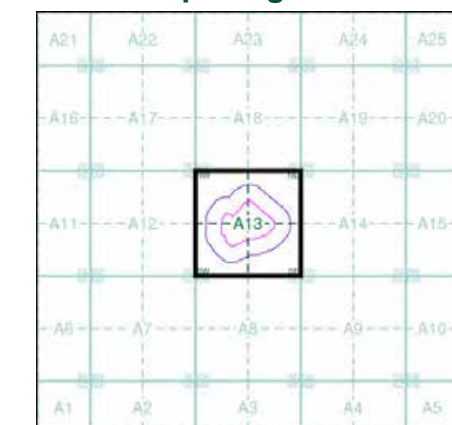
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD7816SE 1986 1:1,250		
SD7815NW 1989 1:1,250	SD7815NE 1988 1:1,250	SD7915NW 1986 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 100

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



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Fax: 0844 844 9951
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Large-Scale National Grid Data

Published 1992

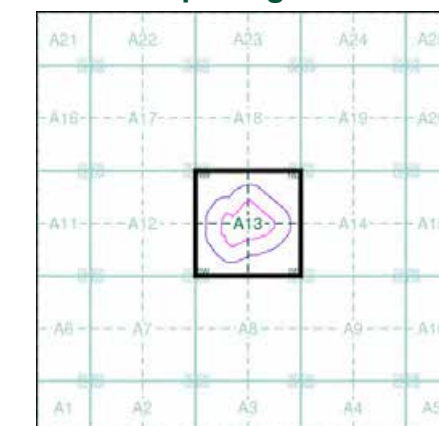
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD7816SW 1992 1:1,250	SD7816SE 1992 1:1,250	SD7916SW 1992 1:1,250
SD7815NW 1992 1:1,250	SD7815NE 1992 1:1,250	SD7915NW 1992 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 100

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD

Landmark
INFORMATION GROUP

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10k Raster Mapping

Published 1999

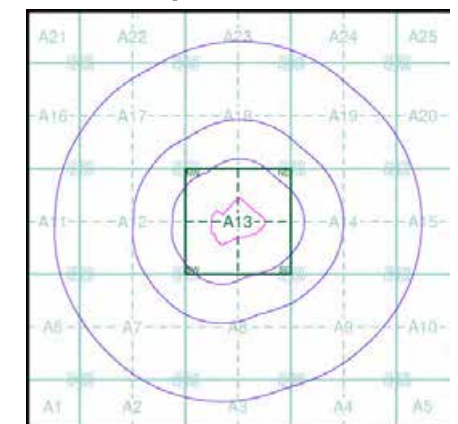
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD71NE	SD81NW
1999	1999
1:10,000	1:10,000
SD71SE	SD81SW
1999	1999
1:10,000	1:10,000

Historical Map - Slice A

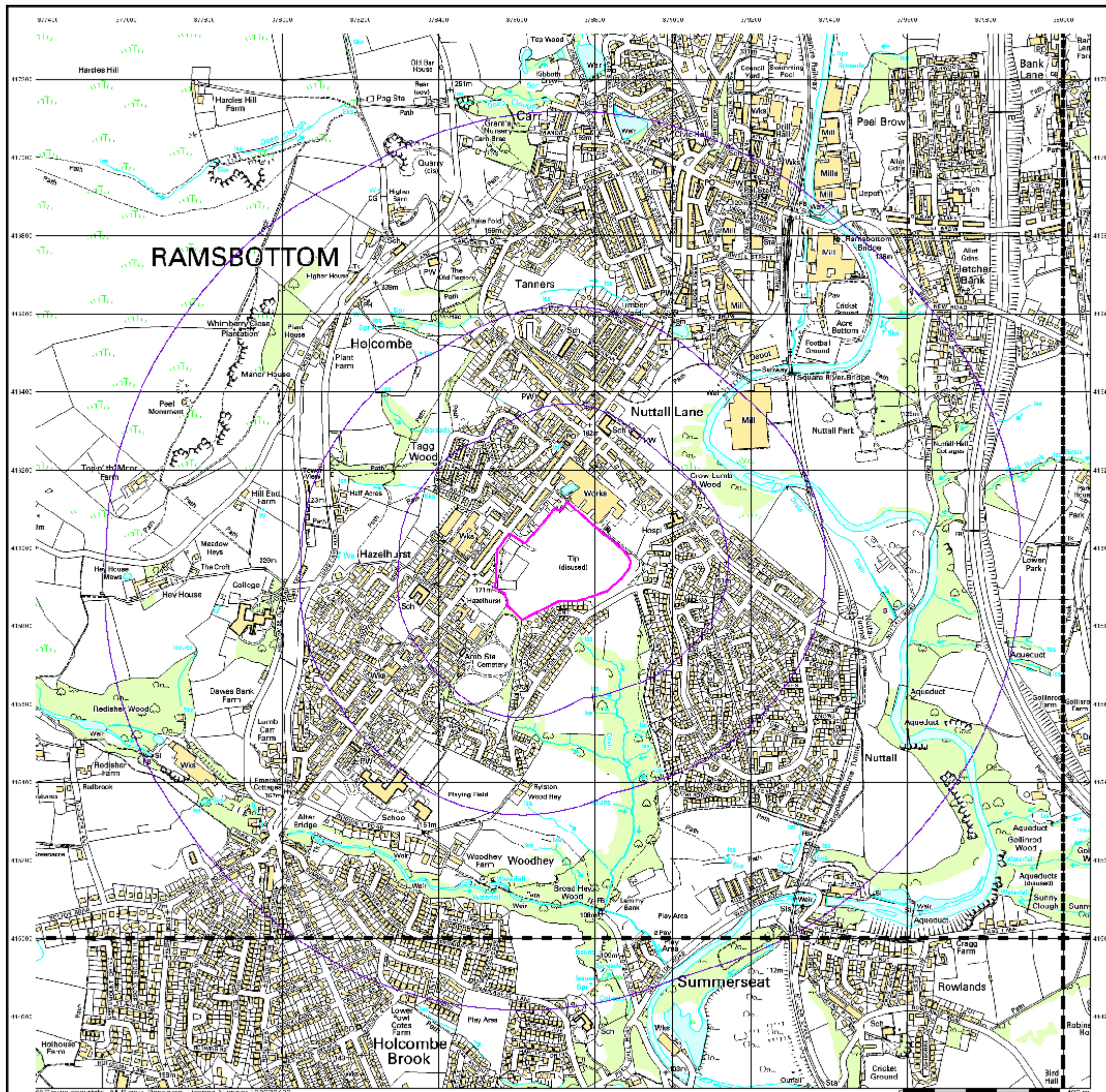


Order Details

Order Number: 342589837_1_1
 Customer Ref: M24-042
 National Grid Reference: 378710, 415960
 Slice: A
 Site Area (Ha): 6.18
 Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD





Street View

Published 2024

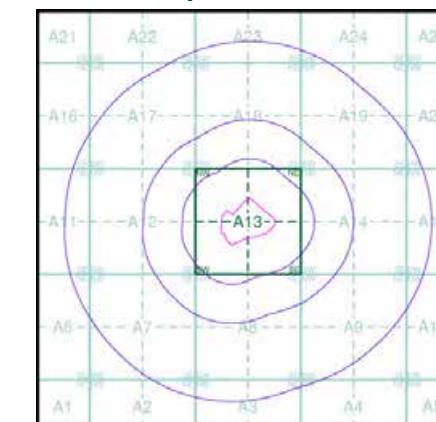
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details

Order Number: 342589837_1_1
Customer Ref: M24-042
National Grid Reference: 378710, 415960
Slice: A
Site Area (Ha): 6.18
Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



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

APPENDIX C

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

342589837_1_1

Customer Reference:

M24-042

National Grid Reference:

378710, 415960

Slice:

A

Site Area (Ha):

6.18

Search Buffer (m):

1000

Site Details:

Top Park Bolton Road West

Ramsbottom

Bury

BL0 9PD

Client Details:

Mr R Woods

Solmek Ltd

12 Yarm Road

Stockton on Tees

Cleveland

TS18 3NA

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	49
Hazardous Substances	-
Geological	52
Industrial Land Use	55
Sensitive Land Use	64
Data Currency	65
Data Suppliers	70
Useful Contacts	71

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 4				12
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 7				1
Integrated Pollution Prevention And Control	pg 7				2
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 8		2		4
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8		Yes		
Pollution Incidents to Controlled Waters	pg 8			2	18
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 12			1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 13				1
Substantiated Pollution Incident Register	pg 13			1	
Water Abstractions	pg 14		2	1	20 (*41)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 30	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 30	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 30	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 30		4	29	123

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 49	1	2		3
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 50		1		
Local Authority Landfill Coverage	pg 50	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 50				2
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 52	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 52				7
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 53	Yes	n/a	n/a	n/a
Mining Instability	pg 53	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 53	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 53	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 53	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 53	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 53	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 54	Yes		n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 55		16	12	74
Fuel Station Entries	pg 63				1
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland	pg 64		1		3
Areas of Adopted Green Belt	pg 64		1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 64				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 64				1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	0	1	378700 416050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	0	1	378650 416000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	0	1	378550 415960
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (NE)	0	1	378707 415960
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	4	1	378550 416000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	14	1	378600 416050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	33	1	378550 416050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	37	1	378650 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	44	1	378700 416150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	46	1	378500 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	46	1	378500 415960
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (W)	51	1	378500 416000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (NW)	64	1	378600 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	83	1	378707 416200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	93	1	378500 415800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	96	1	378450 415960
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	96	1	378450 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	134	1	378750 416250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	143	1	378450 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (W)	146	1	378400 415960
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	150	1	378800 416250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	151	1	378400 416000

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)	154	1	378400 415850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	163	1	378450 415750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	196	1	378800 416300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	210	1	378450 416200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	213	1	378900 416250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	213	1	378400 416150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	219	1	378350 415800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	246	1	378350 415750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	251	1	378450 416250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	262	1	378850 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	283	1	378950 416300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	287	1	378300 415750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	294	1	378450 416300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	304	1	378350 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	306	1	378250 416050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	307	1	378850 416400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (NE)	307	1	379100 416200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	316	1	379000 416300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	318	1	378250 416100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	321	1	378950 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	330	1	378900 416400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	337	1	379200 416100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	343	1	378300 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	350	1	378200 416000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	354	1	379000 416350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	356	1	378250 415700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	359	1	378950 416400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	359	1	379250 415960
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	360	1	379250 415950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	374	1	378900 416450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	384	1	378250 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (NE)	391	1	379000 416400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	401	1	378500 416450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	413	1	378250 415600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	413	1	379300 415900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	418	1	378700 415400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (E)	422	1	379300 415850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	426	1	378200 415650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	433	1	378707 416550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	438	1	378750 415400
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	447	1	379050 415500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (NW)	452	1	378400 416450
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	453	1	378200 415600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	455	1	378950 415450

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A17SE (NW)	460	1	378300 416400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	469	1	379000 416500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	471	1	379000 415450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A17SE (NW)	474	1	378350 416450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	474	1	378707 415350
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (NW)	475	1	378150 416250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	484	1	379350 415800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	487	1	378900 415400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	489	1	378500 416550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A17SE (NW)	492	1	378250 416400
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Carr Street Cso 099bp 82 Carr Street, Ramsbottom, Bury, Lancashire, BL0 9eg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0001 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 4th February 2016 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	675	2	379350 416470
1	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Carr Street Cso 099bp 82 Carr Street, Ramsbottom, Bury, Lancashire, BL0 9eg Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRY0001 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	675	2	379350 416470

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Thomas Robinson Ltd Property Type: MAKING OF TEXTILES Location: Thomas Robinson(Vyella) Ltd Hope Works, Bolton Road West, Ramsbottom, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990081 Permit Version: 1 Effective Date: 1st January 1900 Issued Date: Not Supplied Revocation Date: 31st August 1990 Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Holcombe Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A8SE (S)	740	2	378800 415100
2	Discharge Consents Operator: Mr R Orton Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Lammy Bank Robin Road, Summerseat, Bury, Lancashire, BL9 5qp Authority: Environment Agency, North West Region Catchment Area: Holcombe Brook Reference: 016993369 Permit Version: 1 Effective Date: 18th February 2000 Issued Date: 18th February 2000 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of Holcombe Bk Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A8SE (S)	748	2	378830 415100
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Nuttall Hall Road Cso Nuttall Hall Road, Ramsbottom, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016951212 Permit Version: 2 Effective Date: 10th July 2017 Issued Date: 10th July 2017 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A14SE (E)	761	2	379580 415630
3	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Nuttall Hall Road Cso Nuttall Hall Road, Ramsbottom, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016951212 Permit Version: 1 Effective Date: 12th January 1988 Issued Date: Not Supplied Revocation Date: 9th July 2017 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A14SE (E)	761	2	379580 415630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Nuttall Hall Rd, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0002 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: Not Supplied Revocation Date: 31st December 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Not Supplied Environment: Receiving Water: Not Supplied Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A14SE (E)	770	2	379590 415630
3	Discharge Consents Operator: United Utilities Water Limited Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Nuttall Hall Rd, Bury, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01BRY0002 Permit Version: 2 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: Irwell Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A14SE (E)	770	2	379590 415630
4	Discharge Consents Operator: Stephen & Joyce Danks Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: 9 Holcombe Brook, Ramsbottom, Bury, Lancashire, B10 9sa Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 0165/20 Permit Version: 1 Effective Date: 12th May 1965 Issued Date: 12th May 1965 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Holcombe Brook Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A7SW (SW)	860	2	377934 415281
5	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Carr Street Cso 099bp 82 Carr Street, Ramsbottom, Bury, Lancashire, B10 9eg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0001 Permit Version: 3 Effective Date: 5th February 2016 Issued Date: 5th February 2016 Revocation Date: 10th April 2018 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A23SE (N)	932	2	378864 417040

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: United Utilities Water Limited Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Carr Street Cso 099bp 82 Carr Street, Ramsbottom, Bury, Lancashire, BL0 9eg Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01bry0001 Permit Version: 4 Effective Date: 11th April 2018 Issued Date: 11th April 2018 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	957	2	379348 416847
7	Discharge Consents Operator: Willan Homes Property Type: MAKING OF FOOD PRODUCTS/DAIRY Location: Brooksbottm Mill Swo, Waterside Road/Kay Street, Summerseat, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016990632 Permit Version: 1 Effective Date: 1st July 1985 Issued Date: Not Supplied Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Irwell Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	973	2	379400 415100
8	Integrated Pollution Controls Name: Mondi Holcombe Ltd Location: Holcombe Mill, Bridge Street, Ramsbottom, BURY, Lancashire, BL0 0BS Authority: Environment Agency, North West Region Permit Reference: AU7451 Dated: 27th January 1997 Process Type: IPC new application Description: 6.1 A (B) Paper and Pulp manufacturing processes within Miscellaneous Industries Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	941	2	379368 416808
9	Integrated Pollution Prevention And Control Name: Mondi Holcombe Limited Location: Danisco Paper Limited, Holcombe Paper Mill, Danisco Paper Limited, Peel Bridge,,, Ramsbottom, Surrey, BL0 0BS Authority: Environment Agency, North West Region Permit Reference: Bj6542iq Original Permit Ref: Bj6542iq Effective Date: 25th June 2010 Status: Surrendered Application Type: Surrender App. Sub Type: Not Supplied Positional Accuracy: Automatically positioned to the address Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y	A19NE (NE)	916	2	379411 416739
9	Integrated Pollution Prevention And Control Name: Mondi Holcombe Ltd Location: Danisco Paper Limited, Holcombe Paper Mill, Peel Bridge,,, Ramsbottom, Lancashire, BL0 0BS Authority: Environment Agency, North West Region Permit Reference: KP3530KN Original Permit Ref: Bj6542iq Effective Date: 25th June 2010 Status: Surrender Effective Application Type: Surrender App. Sub Type: Whole Positional Accuracy: Automatically positioned to the address Activity Code: 6.1 A(1) (B) Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D Primary Activity: Y	A19NE (NE)	916	2	379411 416739

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Local Authority Pollution Prevention and Controls Name: Carrington Morada Location: Hope Works, Hope Street, Ramsbottom, BURY, Lancashire, M45 6RW Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 24 Dated: 1st March 1999 Process Type: Local Authority Air Pollution Control Description: PG6/8 Textile and fabric coating of finishing processes Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A13NE (N)	106	3	378777 416212
11	Local Authority Pollution Prevention and Controls Name: F.D. Simms Ltd Location: Hazlehurst Works, Regent Street, Ramsbottom, BURY, Lancashire, BL0 9PF Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 12 Dated: 1st March 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic Status: Authorisation revoked Positional Accuracy: Manually positioned to the road within the address or location	A13NW (W)	119	3	378431 415979
12	Local Authority Pollution Prevention and Controls Name: Cheswicks Location: Holcombe Brook, BURY, BL8 4LX Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: 15 Dated: 1st March 1994 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorisation revoked Positional Accuracy: Manually positioned within the geographical locality	A7SW (SW)	846	3	377960 415274
13	Local Authority Pollution Prevention and Controls Name: First Impression Location: 44 Bridge Street, Ramsbottom, Bury, BL0 9aq Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC0613 Dated: 1st February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Authorised Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	890	3	379162 416895
14	Local Authority Pollution Prevention and Controls Name: Station Garage Location: Railway Street, Ramsbottom, BURY, Lancashire, BL0 9AL Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: Ps25 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	A19NW (NE)	896	3	379262 416837
15	Local Authority Pollution Prevention and Controls Name: Carlton Cleaners Location: Unit 13 Holcombe Brook Precinct, BL0 9SH Authority: Bury Metropolitan Borough Council, Environmental Health Department Permit Reference: LAPPC06-07 Dated: 1st December 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Authorised Positional Accuracy: Manually positioned to the address or location	A7SW (SW)	924	3	377968 415156
	Nearest Surface Water Feature	A13SE (S)	96	-	378762 415770
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: River Irwell Incident Date: 15th July 1995 Incident Reference: 95621770 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	458	2	379100 416400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Found Incident Date: 16th January 1996 Incident Reference: 96620097 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	469	2	379000 416500
18	Pollution Incidents to Controlled Waters Property Type: Agriculture Location: Woodhey Road, Greater Manchester Authority: Environment Agency, North West Region Pollutant: Inert : Other Note: Not Supplied Incident Date: 17th May 1999 Incident Reference: 28607 Catchment Area: Irwell Receiving Water: River Stretch (Freshwater) Cause of Incident: Unauthorised Activity : Unauthorised Waste Management Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (S)	524	2	378700 415300
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: River Irwell Incident Date: 19th August 1995 Incident Reference: 95622126 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SW (NE)	533	2	379100 416500
20	Pollution Incidents to Controlled Waters Property Type: Other Farming Location: RAMSBOTTOM Authority: Environment Agency, North West Region Pollutant: Unknown Note: Tanks Of Slurry & Effluent Incident Date: 23rd December 1998 Incident Reference: SO982207 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NE (E)	610	2	379500 416000
21	Pollution Incidents to Controlled Waters Property Type: WSC Sewage, Sewerage & Supply: North West Water Ltd Location: Nuttall Park, RAMSBOTTOM, Greater Manchester Authority: Environment Agency, North West Region Pollutant: General Biodegradable : Treated Effluent Note: Not Supplied Incident Date: 6th May 1999 Incident Reference: 28336 Catchment Area: Irwell Receiving Water: River Stretch (Freshwater) Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A14NE (E)	722	2	379600 416100
22	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; No Pollution Found Incident Date: 5th August 1996 Incident Reference: 96621724 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	722	2	378700 415100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Other Note: Holcombe Brook; Washing Machine Effluent Incident Date: 30th April 1996 Incident Reference: 96620921 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	726	2	378500 415100
24	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Fire Near To Kwik Save In, Railway Street, RAMSBOTTOM Authority: Environment Agency, North West Region Pollutant: Not Given Note: Not Supplied Incident Date: 4th August 1998 Incident Reference: SO981398 Catchment Area: Irwell Receiving Water: Onto Land Cause of Incident: Fire Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	803	2	379400 416600
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: Tributary Irwell; Iron Poln General Incident Date: 6th April 1995 Incident Reference: 95620729 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	805	2	379500 416500
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Brook At Newmarket Street, SUMMERSEAT Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Oily Film On Brook Incident Date: 13th January 1998 Incident Reference: SO980103 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	820	2	378701 415001
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Colour Note: River Irwell; Dye Incident Date: 29th April 1995 Incident Reference: 95620952 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	835	2	379100 415100
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; No Pollution Found Incident Date: 20th August 1996 Incident Reference: 96621843 Catchment Area: Irwell 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)	840	2	379600 415500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: Tributary River Irwell; Ochre Incident Date: 11th April 1995 Incident Reference: 95620781 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	848	2	379700 415700
29	Pollution Incidents to Controlled Waters Property Type: Road Location: Nuttall Park, RAMSBOTTOM Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Foam Note: Foam On Stream Incident Date: 24th February 1998 Incident Reference: SO980370 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	849	2	379700 415695
30	Pollution Incidents to Controlled Waters Property Type: Paper Industry Location: River Irwell, SUMMERSEAT Authority: Environment Agency, North West Region Pollutant: Oils - Black Fuel Oil Note: Thick Oil Incident Date: 29th March 1998 Incident Reference: SO980545 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Leaking Underground Pipe Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	875	2	379400 416695
31	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Sewage Treatment Works Location: SUMMERSEAT Authority: Environment Agency, North West Region Pollutant: Sewage - Treated Effluent Note: River Irwell; Colour Incident Date: 1st February 1997 Incident Reference: 97620198 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	914	2	378201 415001
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: No Pollution Found Incident Date: 2nd April 1996 Incident Reference: 96620652 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	945	2	379500 416700
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; None Pollution Found Incident Date: 13th September 1996 Incident Reference: 96622017 Catchment Area: Irwell Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3NE (S)	960	2	378900 414900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Combined Sewer Overflow Location: River Irwell, Summerseat, BURY Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: Not Supplied Incident Date: 1st June 1998 Incident Reference: SO980982 Catchment Area: Irwell Receiving Water: Freshwater Stream/River Cause of Incident: CSO Normal Operation Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	973	2	379400 415100
	River Quality Name: Irwell GQA Grade: River Quality C Reach: Rossendale Stw To Chest Wheel Bridge Estimated Distance (km): 9.2 Flow Rate: Flow less than 5 cumecs Flow Type: River Year: 2000	A14NW (NE)	336	2	379144 416194
	River Quality Name: Holcombe Bk GQA Grade: River Quality B Reach: Qsl At Redisher Close To Irwell Estimated Distance (km): 1.3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A7SE (SW)	750	2	378304 415133

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	River Quality Chemistry Sampling Points Name: Holcombe Brook Reach: Qsl At Redisher Close To Irwell Estimated Distance: 1.30 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A3NE (S)	954	2	378982 414936
36	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, South Area Incident Date: 23rd April 2022 Incident Reference: 2055782 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: Organic Chemicals/Products: Surfactants And Detergents	A19SW (NE)	465	2	379133 416383

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Water Abstractions Operator: Morada International Ltd Licence Number: 2569001131 Permit Version: 100 Location: Boreholes (2) At Hope Works, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1364 Yearly Rate (m3): 363688 Details: Hope Works, Bolton Road West, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (N)	87	2	378700 416200
38	Water Abstractions Operator: Morada International Ltd Licence Number: 2569001131 Permit Version: 100 Location: Boreholes (2) At Hope Works, Ramsbottom \$86 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Hope Works, Bolton Road West, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 6th October 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	99	2	378900 416100
39	Water Abstractions Operator: Mr J Whittaker Licence Number: 2569001101 Permit Version: 100 Location: Spring Fed Catchpit At Nuttall Hall Farm, Ramsbottom 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): 3 Yearly Rate (m3): 996 Details: Nuttall Hall Farm, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	480	2	379300 415700
40	Water Abstractions Operator: Knowles Vanlines Ltd Licence Number: 2569001200 Permit Version: Not Supplied Location: River Irwell, Ramsbottom, BURY Authority: Environment Agency, North West Region Abstraction: Vehicle Washing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 9 Yearly Rate (m3): 2800 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	A19SW (NE)	662	2	379300 416500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	Water Abstractions Operator: Darul Uloom Licence Number: 2569001228 Permit Version: 100 Location: Borehole At Holcombe, Near Bury, Lancs 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: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 22730 Details: Premises At Holcombe Hall,Holcombe Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th June 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	753	2	377800 415800
41	Water Abstractions Operator: Darul Uloom Licence Number: 2569010228 Permit Version: Not Supplied Location: Borehole, Holcombe, BURY, Lancashire Authority: Environment Agency, North West Region Abstraction: Private Water Supply (Domestic & Holiday Recreation/Hotels Etc) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 91 Yearly Rate (m3): 22730 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	A12SW (W)	753	2	377800 415795
42	Water Abstractions Operator: Mondi Holcombe Limited Licence Number: 2569001030 Permit Version: 105 Location: Borehole At Peel Bridge Mills, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Peel Bridge Mills, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	815	2	379300 416700
42	Water Abstractions Operator: Mondi Packaging Holcombe Limited Licence Number: 2569001030 Permit Version: 104 Location: Borehole At Peel Bridge Mills, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Peel Bridge Mills, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th September 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	815	2	379300 416700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001030 Permit Version: 103 Location: Borehole At Peel Bridge Mills, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Peel Bridge Mills, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th November 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	815	2	379300 416700
42	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001030 Permit Version: 102 Location: Borehole At Peel Bridge Mills, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Land At Peel Bridge Mills, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	815	2	379300 416700
42	Water Abstractions Operator: Danisco Paper Ltd Licence Number: 2569001030 Permit Version: 101 Location: Borehole At Peel Bridge Mills, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1637 Yearly Rate (m3): 409149 Details: Land At Peel Bridge Mills, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st August 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	815	2	379300 416700
43	Water Abstractions Operator: Danisco Paper Ltd Licence Number: 2569001029 Permit Version: 101 Location: Goit Fed By Surface Drainage And River Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1637 Yearly Rate (m3): 272766 Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st August 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	886	2	379300 416795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Water Abstractions Operator: Mondi Holcombe Limited Licence Number: 2569001224 Permit Version: 103 Location: R.Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Holcombe Paper Mill, Peel Bridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	890	2	379300 416800
43	Water Abstractions Operator: Mondi Holcombe Limited Licence Number: 2569001029 Permit Version: 105 Location: Goit Fed By Surface Drainage And River Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	890	2	379300 416800
43	Water Abstractions Operator: Mondi Packaging Holcombe Limited Licence Number: 2569001029 Permit Version: 104 Location: Goit Fed By Surface Drainage And River Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th September 2005 Permit End Date: 31st March 2015 Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	890	2	379300 416800
43	Water Abstractions Operator: Mondi Packaging Holcombe Limited Licence Number: 2569001224 Permit Version: 102 Location: R.Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Holcombe Paper Mill, Peel Bridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th September 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	890	2	379300 416800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001029 Permit Version: 103 Location: Goit Fed By Surface Drainage And River Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th November 2004 Permit End Date: 31st March 2015 Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	890	2	379300 416800
43	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001029 Permit Version: 102 Location: R.Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	890	2	379300 416800
43	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001029 Permit Version: 102 Location: Goit Fed By Surface Drainage And River Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Peel Bridge Mills Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	890	2	379300 416800
43	Water Abstractions Operator: Mondi Paper Limited Licence Number: 2569001224 Permit Version: 101 Location: R.Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Holcombe Paper Mill, Peel Bridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th September 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	890	2	379300 416800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Water Abstractions Operator: Danisco Paper Ltd Licence Number: 2569001224 Permit Version: 100 Location: R.Irwell At Ramsbottom Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1091 Yearly Rate (m3): 90920 Details: Holcombe Paper Mill, Peel Bridge Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	890	2	379300 416800
44	Water Abstractions Operator: Mr D Davenport Licence Number: 2569001204 Permit Version: 100 Location: Borehole At Holcombe, Bury 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): 9 Yearly Rate (m3): 3319 Details: Hey House Farm, Holcombe, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th July 1979 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11SE (W)	951	2	377600 415800
45	Water Abstractions Operator: Bury Metropolitan Borough Council Licence Number: 2569001246 Permit Version: 100 Location: River Irwell At Bridge Street Ramsbottom Authority: Environment Agency, North West Region Abstraction: Amenity: Supply to a Leat for Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 172920 Yearly Rate (m3): 63115200 Details: Land At Bridge St , Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th August 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	961	2	379350 416850
	Water Abstractions Operator: Greenleaf Enterprises Ltd Licence Number: 2569001038 Permit Version: 102 Location: River Irwell In Ramsbottom Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Summerseat Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st March 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3NE (S)	1118	2	378950 414750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Binex Ltd Licence Number: 2569001038 Permit Version: 101 Location: River Irwell In Ramsbottom Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 91 Yearly Rate (m3): 23639 Details: Premises At Summerseat Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th June 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3NE (S)	1118	2	378950 414750
	Water Abstractions Operator: Kays Ramsbottom Ltd Licence Number: 2569001047 Permit Version: 100 Location: River Irwell At Britannia Works Kenyon Street Ramsbottom 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: Premises, Britannia Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SE (NE)	1190	2	379400 417100
	Water Abstractions Operator: Kays Ramsbottom Ltd Licence Number: 2569001047 Permit Version: 100 Location: River Irwell At Britannia Works Kenyon Street Ramsbottom 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): 636 Yearly Rate (m3): 159111 Details: Premises, Britannia Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th September 1995 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A24SE (NE)	1190	2	379400 417100
	Water Abstractions Operator: G N Platt Licence Number: 2569001125 Permit Version: 100 Location: Well At Ramsbottom, Known As Soldiers Well 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): 4 Yearly Rate (m3): 1332 Details: Higher Barn Farm And Carn Brae Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th May 1971 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SW (NW)	1486	2	377800 417300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Scapa-Porritt Ltd. Licence Number: 2569001006 Permit Version: Not Supplied Location: Spring Fed Collecting Chamber, Stubbins, RAMSBOTTOM Authority: Environment Agency, North West Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 25 Yearly Rate (m3): 8437 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	(N)	1599	2	378500 417700
	Water Abstractions Operator: Mr J Kenyon Licence Number: 2569001208 Permit Version: 101 Location: Borehole At Summerseat, Bury 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Higher Wood Road Farm, Summerseat Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th November 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4SW (S)	1626	2	379200 414300
	Water Abstractions Operator: John Kenyon & Sons Licence Number: 2569001208 Permit Version: 100 Location: Borehole At Summerseat, Bury 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): 41 Yearly Rate (m3): 14975 Details: Higher Wood Road Farm, Summerseat 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	A4SW (S)	1626	2	379200 414300
	Water Abstractions Operator: Sca Hygiene Products Tissue Limited Licence Number: 2569001128 Permit Version: 103 Location: Reservoirs 'A' At Stubbins, Ramsbottom, Bury Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th November 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1654	2	378785 417771

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Sca Hygiene Products Tissue Limited Licence Number: 2569001128 Permit Version: 102 Location: Reservoirs X 2 Fed By Surface Drainage At Stubbins Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stubbins Paper Mill, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1684	2	378800 417800
	Water Abstractions Operator: Georgia-Pacific Gb Ltd Licence Number: 2569001128 Permit Version: 101 Location: Reservoirs X 2 Fed By Surface Drainage At Stubbins Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stubbins Paper Mill, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1684	2	378800 417800
	Water Abstractions Operator: Fort James Uk Ltd Licence Number: 2569001128 Permit Version: 100 Location: Reservoirs (2) Fed By Surface Drainage At Stubbins Pap Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 5682 Yearly Rate (m3): 1704750 Details: Stubbins Paper Mill, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1684	2	378800 417800
	Water Abstractions Operator: Essity Uk Limited Licence Number: 2569001201 Permit Version: 105 Location: River Irwell At 'A' At Stubbins, Ramsbottom, Bury. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1730	2	379246 417768

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Sca Hygiene Products Uk Ltd Licence Number: 2569001201 Permit Version: 104 Location: River Irwell At 'A' At Stubbins, Ramsbottom, Bury. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th July 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1730	2	379246 417768
	Water Abstractions Operator: Sca Hygiene Products Tissue Limited Licence Number: 2569001201 Permit Version: 103 Location: River Irwell At 'A' At Stubbins, Ramsbottom, Bury. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th November 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1730	2	379246 417768
	Water Abstractions Operator: Sca Hygiene Products Tissue Limited Licence Number: 2569001201 Permit Version: 102 Location: R Irwell At Ramsbottom, Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Stubbins, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1747	2	379200 417800
	Water Abstractions Operator: Georgia-Pacific Gb Ltd Licence Number: 2569001201 Permit Version: 101 Location: R Irwell At Ramsbottom, Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Stubbins, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1747	2	379200 417800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Fort James Uk Ltd Licence Number: 2569001201 Permit Version: 100 Location: R Inwell At Ramsbottom, Bury Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 11365 Yearly Rate (m3): 4159680 Details: Premises At Stubbins, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1747	2	379200 417800
	Water Abstractions Operator: J Duxbury Licence Number: 2569001042 Permit Version: 100 Location: Spring At Higher Hall House (Holhouse) Farm, Greenmo 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): 4 Yearly Rate (m3): 1327 Details: Higher Hall House (Holhouse) Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1NW (SW)	1757	2	377100 414900
	Water Abstractions Operator: Essity Uk Limited Licence Number: 2569001128 Permit Version: 106 Location: Reservoir 'B' At Subbins, Ramsbottom, Bury. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1776	2	378930 417882
	Water Abstractions Operator: Sca Hygiene Products Uk Ltd Licence Number: 2569001128 Permit Version: 105 Location: Reservoir 'B' At Subbins, Ramsbottom, Bury. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th July 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1776	2	378930 417882

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Sca Hygiene Products Tissue Limited Licence Number: 2569001128 Permit Version: 103 Location: Reservoir 'B' At Subbins, Ramsbottom, Bury. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th November 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1776	2	378930 417882
	Water Abstractions Operator: Essity Uk Limited Licence Number: 2569001129 Permit Version: 105 Location: Borehole A' At Stubbins Paper Mill, Ramsbottom. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1797	2	379012 417892
	Water Abstractions Operator: Sca Hygiene Products Uk Ltd Licence Number: 2569001129 Permit Version: 104 Location: Borehole A' At Stubbins Paper Mill, Ramsbottom. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th July 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1797	2	379012 417892
	Water Abstractions Operator: Sca Hygiene Products Tissue Limited Licence Number: 2569001129 Permit Version: 103 Location: Borehole A' At Stubbins Paper Mill, Ramsbottom. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th November 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1797	2	379012 417892

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Sca Hygiene Products Tissue Limited Licence Number: 2569001129 Permit Version: 102 Location: Borehole At Stubbins Paper Mill, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stubbins Paper Mill, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1803	2	379000 417900
	Water Abstractions Operator: Georgia-Pacific Gb Ltd Licence Number: 2569001129 Permit Version: 101 Location: Borehole At Stubbins Paper Mill, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stubbins Paper Mill, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1803	2	379000 417900
	Water Abstractions Operator: Fort James Uk Ltd Licence Number: 2569001129 Permit Version: 100 Location: Borehole At Stubbins Paper Mill, Ramsbottom Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2728 Yearly Rate (m3): 545520 Details: Stubbins Paper Mill, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1803	2	379000 417900
	Water Abstractions Operator: Essity Uk Limited Licence Number: 2569001128 Permit Version: 106 Location: Reservoir 'C' At Subbins, Ramsbottom, Bury. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th March 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1837	2	378938 417943

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Sca Hygiene Products Uk Ltd Licence Number: 2569001128 Permit Version: 105 Location: Reservoir 'C' At Subbins, Ramsbottom, Bury. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th July 2014 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1837	2	378938 417943
	Water Abstractions Operator: Sca Hygiene Products Tissue Limited Licence Number: 2569001128 Permit Version: 103 Location: Reservoir 'C' At Subbins, Ramsbottom, Bury. Authority: Environment Agency, North West Region Abstraction: Paper And Printing: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 8th November 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1837	2	378938 417943
	Water Abstractions Operator: Thornber Home & Leisure Limited Licence Number: 2569001193 Permit Version: 101 Location: Well Fed By Holcombe Brook Marked C On Plan Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bleaklow Mill, Hawkshaw, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th February 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1892	2	376680 416280
	Water Abstractions Operator: Blacksheep Textiles Ltd Licence Number: 2569001193 Permit Version: 100 Location: Well Fed By Holcombe Brook Marked C On Plan Authority: Environment Agency, North West Region Abstraction: Textiles And Leather: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bleaklow Mill, Hawkshaw, Bury Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd May 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1892	2	376680 416280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Sca Hygiene Products Tissue Limited Licence Number: 2569001128 Permit Version: 102 Location: Reservoirs X 2 Fed By Surface Drainage At Stubbins Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stubbins Paper Mill, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th August 2012 Permit End Date: Not Supplied Positional Accuracy: Approximate location provided by supplier	(N)	1902	2	379000 418000
	Water Abstractions Operator: Georgia-Pacific Gb Ltd Licence Number: 2569001128 Permit Version: 101 Location: Reservoirs X 2 Fed By Surface Drainage At Stubbins Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Stubbins Paper Mill, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 2nd April 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1902	2	379000 418000
	Water Abstractions Operator: Fort James Uk Ltd Licence Number: 2569001128 Permit Version: 100 Location: Reservoirs (2) Fed By Surface Drainage At Stubbins\$85 Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Stubbins Paper Mill, Ramsbottom Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1902	2	379000 418000
	Water Abstractions Operator: Mr K Taylor Licence Number: 2569001218 Permit Version: Not Supplied Location: Wood Mill, SUMMERSEAT Authority: Environment Agency, North West Region Abstraction: Water Power Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: River Irwell 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	(SE)	1911	2	379500 414100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Messrs Mosley And Thwaites Licence Number: 2569001190 Permit Version: 100 Location: Spring Fed Collecting Chamber At Walmersley 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): 10 Yearly Rate (m3): 3500 Details: Bast House And Butcheracre Farms Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th May 1972 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(E)	1942	2	380800 415600
	Water Abstractions Operator: Woodhey Dyeing Company Limited Licence Number: 2569001193 Permit Version: Not Supplied Location: Fed By Holcombe Brook Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 318 Yearly Rate (m3): 113650 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	(W)	1961	2	376600 416200
	Water Abstractions Operator: Edward Turnbull & Co Ltd Licence Number: 2569001086 Permit Version: 101 Location: Borehole At Premises Rosebank Printworks Ramsbottom Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises Croft Bleach Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 22nd January 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1999	2	379400 418000
	Water Abstractions Operator: Edward Turnbull & Co Ltd Licence Number: 2569001086 Permit Version: 100 Location: Borehole At Premises, Rosebank Printworks, Ramsbottom, Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1091 Yearly Rate (m3): 13638 Details: Premises Croft Bleach Works Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th January 1981 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1999	2	379400 418000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Secondary Bedrock Aquifer - Medium Vulnerability Classification: Medium Combined Vulnerability: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial: <90% Patchiness: 3-10m Thickness: High Superficial Recharge:	A13NW (N)	0	4	378707 416000
	Groundwater Vulnerability Map Combined Secondary Bedrock Aquifer - Medium Vulnerability Classification: Medium Combined Vulnerability: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Low Bedrock Flow: Well Connected Fractures Dilution: >550 mm/year Baseflow Index: <40% Superficial: <90% Patchiness: 3-10m Thickness: High Superficial Recharge:	A13SW (NE)	0	4	378707 415960
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (NE)	0	4	378707 415960
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SW (NE)	0	4	378707 415960
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 148.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (S)	96	5	378762 415770
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 84.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A13SE (SE)	205	5	378861 415684

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NW)	238	5	378368 416148
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	240	5	378800 415629
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	268	5	378649 415551
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	275	5	378624 415541
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	277	5	378855 415606
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 108.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	286	5	378644 415532
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	291	5	378800 415577
55	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	A18SW (N)	303	5	378565 416373
56	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	A8NE (S)	307	5	378857 415575

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	317	5	378736 415524
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 101.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	339	5	378738 415501
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 277.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A14NW (NE)	345	5	379094 416260
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 144.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12NE (NW)	349	5	378350 416298
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 2	A14NW (NE)	352	5	379168 416193
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A14NW (NE)	353	5	379168 416193
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	353	5	378826 415519
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	358	5	378882 415529
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	358	5	378882 415529

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	391	5	378826 415481
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 2	A14NW (E)	394	5	379240 416150
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 2	A14NW (E)	394	5	379240 416150
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	408	5	378829 415464
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (SE)	418	5	378949 415488
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A14NW (E)	428	5	379268 416172
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	435	5	378885 415450
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A14NW (E)	442	5	379285 416168
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 302.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	448	5	379298 416153

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	448	5	378882 415435
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	468	5	378921 415426
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 283.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NW (S)	481	5	378631 415336
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	486	5	378896 415400
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NW (E)	501	5	379347 416172
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 145.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A19SW (NE)	505	5	379164 416410
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 183.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	505	5	379164 416410
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 379.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A14NW (E)	506	5	379358 416160
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	517	5	378997 416560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	517	5	378997 416560
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (N)	519	5	378930 416596
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (N)	520	5	378509 416590
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SW (NW)	522	5	378441 416563
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	528	5	379039 416544
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18SE (NE)	528	5	379025 416555
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	528	5	378849 415344
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NW (N)	535	5	378662 416649
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8NE (S)	555	5	378895 415327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A18NE (N)	556	5	378819 416666
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 135.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	572	5	378345 416557
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	581	5	378359 416574
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	584	5	378703 415240
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	587	5	378660 415231
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SW (S)	596	5	378699 415227
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	614	5	379504 415939
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	627	5	378292 416593
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A17SE (NW)	627	5	378292 416593

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 301.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Inwell Catchment Name: Mersey Primacy: 1	A19SW (NE)	630	5	379297 416459
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	630	5	379297 416459
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	638	5	379296 416471
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	651	5	379296 416488
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NE (SE)	656	5	379457 415619
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SW (S)	679	5	378546 415141
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A8SW (S)	679	5	378546 415141
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	680	5	378552 415139
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	680	5	378566 415137

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 47.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 2	A14SE (E)	681	5	379562 415841
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	681	5	379562 415841
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	682	5	378548 415138
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	684	5	378844 415172
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.3 Watercourse Level: Underground Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	688	5	378547 415131
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 502.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	694	5	378546 415126
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: Underground Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	695	5	378579 415123
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	696	5	379573 415819
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 186.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A8SW (S)	699	5	378581 415118

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 642.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Inwell Catchment Name: Mersey Primacy: 1	A14SE (E)	733	5	379593 415741
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 191.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	735	5	379601 415765
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 138.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Inwell Catchment Name: Mersey Primacy: 1	A14SE (E)	735	5	379601 415765
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	741	5	378757 415090
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	746	5	379139 415211
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	761	5	378105 415251
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 2	A7SE (SW)	761	5	378105 415251
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 12.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	764	5	378827 415082
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	767	5	379151 415193

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A7SE (SW)	768	5	378086 415258
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 154.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9NW (SE)	769	5	379323 415300
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 146.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14SE (E)	771	5	379658 415888
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 156.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A14SE (E)	771	5	379658 415888
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Park Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	775	5	379662 416040
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	776	5	378827 415070
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 237.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A8SE (S)	777	5	378827 415069
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 167.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A12SW (W)	784	5	377780 415734
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	785	5	379342 416626

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SW (NE)	795	5	379344 416637
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Park Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	797	5	379678 416091
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Park Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	797	5	379677 416096
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	798	5	379679 416086
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	799	5	379681 416087
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A14NE (E)	802	5	379668 416162
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Park Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	802	5	379668 416162
145	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A7SW (SW)	813	5	378015 415266
146	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.7 Watercourse Level: Underground Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	825	5	377926 415346

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	825	5	377926 415346
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	827	5	379343 416678
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: Underground Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	831	5	377937 415321
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	836	5	377946 415304
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	849	5	379213 415132
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	849	5	379213 415132
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	857	5	379377 415230
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Park Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	859	5	379723 416179
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	865	5	379539 416547

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Park Brook Catchment Name: Mersey Primacy: 1	A14NE (E)	865	5	379728 416179
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	865	5	379357 415203
158	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 61.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	865	5	379338 416734
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	868	5	379539 416553
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	869	5	379539 416553
161	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	869	5	379539 416553
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 40.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	874	5	379544 416556
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	879	5	377828 415391
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	882	5	379521 416593

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 297.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Inwell Catchment Name: Mersey Primacy: 1	A19SE (NE)	882	5	379521 416593
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A8SE (S)	883	5	378812 414956
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 519.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19NW (NE)	888	5	379210 416867
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	889	5	379529 416593
169	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A9SW (SE)	894	5	379234 415092
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Inwell Catchment Name: Mersey Primacy: 2	A9SW (SE)	898	5	379251 415096
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 480.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A7NW (SW)	899	5	377805 415389
172	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	899	5	377805 415389
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Inwell Catchment Name: Mersey Primacy: 1	A9SW (SE)	901	5	379238 415086

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Inwell Catchment Name: Mersey Primacy: 1	A9SW (SE)	901	5	379244 415089
175	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 291.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Inwell Catchment Name: Mersey Primacy: 1	A9SW (SE)	901	5	379225 415080
176	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (NE)	904	5	379555 416589
177	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A19SE (E)	906	5	379729 416310
178	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (E)	910	5	379777 415749
179	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A7NW (SW)	917	5	377806 415355
180	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 77.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (E)	919	5	379786 415749
181	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Park Brook Catchment Name: Mersey Primacy: 1	A15NW (E)	922	5	379794 416150
182	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A3NE (S)	923	5	378834 414920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 337.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Park Brook Catchment Name: Mersey Primacy: 1	A15NW (E)	928	5	379801 416148
184	OS Water Network Lines Watercourse Form: Marsh Watercourse Length: 81.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A3NE (S)	933	5	378847 414913
185	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A20SW (E)	934	5	379754 416320
186	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 309.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A9SW (SE)	937	5	379338 415102
187	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 33.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A23SE (N)	942	5	378885 417047
188	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A6NE (SW)	953	5	377668 415527
189	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 2	A19NW (NE)	961	5	379352 416848
190	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Underground Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A3NE (S)	972	5	378997 414923
191	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 52.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A23SE (N)	972	5	378876 417079

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
192	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 65.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A23SE (N)	972	5	378876 417079
193	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holcombe Brook Catchment Name: Mersey Primacy: 1	A3NE (S)	977	5	379000 414919
194	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (E)	983	5	379854 415758
195	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 2	A19NE (NE)	984	5	379394 416842
196	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 2	A19NE (NE)	984	5	379394 416842
197	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A19NW (NE)	985	5	379362 416872
198	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 396.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A19NW (NE)	985	5	379362 416872
199	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 111.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Irwell Catchment Name: Mersey Primacy: 1	A3NE (S)	989	5	379009 414909
200	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Mersey Primacy: 1	A15SW (E)	994	5	379855 415715

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
201	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Inwell Catchment Name: Mersey Primacy: 1	A19NE (NE)	1000	5	379407 416852

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
202	Historical Landfill Sites Licence Holder: Not Supplied Location: Off Bolton Road West, Ramsbottom, Greater Manchester Name: Land off Bolton Road West Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL15674 First Input Date: Not Supplied Last Input Date: 31st December 1975 Specified Waste: Deposited Waste included Industrial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: C059	A13SW (NE)	0	2	378707 415960
203	Historical Landfill Sites Licence Holder: Bury Metropolitan Borough Council Location: Off Hope Street, Ramsbottom, Greater Manchester Name: Carrington Novare Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL15676 First Input Date: 31st December 1960 Last Input Date: 31st December 1984 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: 4200/9722 BGS Ref: Not Supplied Other Ref: C083	A13NE (NE)	2	2	378844 416021
204	Historical Landfill Sites Licence Holder: Not Supplied Location: Off Hope Street, Ramsbottom, Greater Manchester Name: Carrington Novare Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL15678 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste included Liquid Sludge Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: C069	A13SE (SE)	37	2	378855 415862
205	Historical Landfill Sites Licence Holder: Abbots of Bury Limited Location: Woodhey Road, Holcombe Brook, Bury, Lancashire Name: Woodhey Dye Works Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL15685 First Input Date: 31st December 1918 Last Input Date: Not Supplied Specified Waste: Deposited Waste included Inert, Industrial, Commercial and Special Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9205 BGS Ref: Not Supplied Other Ref: C047, RD/LIC/079/77	A8SW (SW)	645	2	378392 415211
206	Historical Landfill Sites Licence Holder: Irwell Street Metal Company Limited Location: Railway Street/Kenyon Street, Ramsbottom, Bury, Greater Manchester Name: Mill Lodge Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL15670 First Input Date: 31st December 1977 Last Input Date: 31st July 1979 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 4200/9169 BGS Ref: Not Supplied Other Ref: C013, RD/LIC/009/76	A19SW (NE)	677	2	379304 416516

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
207	Historical Landfill Sites Licence Holder: Not Supplied Location: Off Helmshore Road, Ramsbottom, Greater Manchester Name: Higher Barn Farm Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD15666 First Input Date: 31st December 1983 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: C120	A22SE (N)	968	2	378310 416990
208	Licensed Waste Management Facilities (Locations) Licence Number: 54433 Location: Tagg Wood Works, Regent Street, Ramsbottom, Bury, Lancashire, BL0 9PL Operator Name: Encia Group Ltd Operator Location: Not Supplied Authority: Environment Agency - North West Region, South Area Site Category: Mobile Plant Licence Status: Surrendered Issued: 8th April 2005 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 29th November 2006 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (W)	105	2	378445 415982
	Local Authority Landfill Coverage Name: Bury Metropolitan Borough Council - Has not been able to supply Landfill data		0	6	378707 415960
209	Registered Landfill Sites Licence Holder: Abbotts Of Bury Ltd Licence Reference: 00079 Site Location: Woodhey Dye Works, Holcombe Brook, Ramsbottom, Bury, Lancashire Licence Easting: 378400 Licence Northing: 415150 Operator Location: Brookshaw St.Saw Mills, Chesham, Bury, Lancashire Authority: Environment Agency - North West Region, South Area Site Category: Landfill 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: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 13th December 1977 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: Asbestos Construction And Demolition Wastes Mine And Quarry Wastes Biodegradable/Putrescible Waste Liquid/Slurry/Sludge Wastes Notifiable Wastes N.O.S Paper/Cardboard Waste Prohibited Waste	A8SW (S)	700	2	378400 415150

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
210	Registered Landfill Sites Licence Holder: Irwell Metal Co Licence Reference: 00009/76/M1 Site Location: Near Mill Lodge (East Of Railway Line), Railway Street, Ramsbottom, Bury, Lancashire Licence Easting: 379320 Licence Northing: 416650 Operator Location: Irwell Street, RAMSBOTTOM, Lancashire, BL0 9AS Authority: Environment Agency - North West Region, South Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 13th December 1977 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	A19NW (NE)	791	2	379320 416650

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Millstone Grit Group [See Also Migr]	A13SW (NE)	0	1	378707 415960
211	BGS Recorded Mineral Sites Site Name: Top O'Th' Moor Location: Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 93995 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	792	1	377790 416215
212	BGS Recorded Mineral Sites Site Name: Holcombe Location: Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 9641 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A17SW (NW)	801	1	377935 416510
213	BGS Recorded Mineral Sites Site Name: Stony Bank Location: Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 93994 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A18NW (N)	851	1	378431 416915
214	BGS Recorded Mineral Sites Site Name: Redisher Wood Location: Hazelhurst, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96044 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A7NW (W)	871	1	377738 415573
215	BGS Recorded Mineral Sites Site Name: Redisher Farm Location: Hazelhurst, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96045 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Huddersfield White Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A7NW (SW)	944	1	377730 415424

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
216	BGS Recorded Mineral Sites Site Name: Carr Location: Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 93993 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Millstone Grit Group Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A23SW (N)	980	1	378540 417079
217	BGS Recorded Mineral Sites Site Name: Higher Barn Location: Holcombe, Ramsbottom, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 15300 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Rough Rock Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A22SE (N)	997	1	378295 417015
	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 (NE)	0	7	378707 415960
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (NE)	0	-	378707 415960
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	378707 415960
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	378707 415960
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	1	378734 415860
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	378707 415960
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	25	1	378831 415864
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	378707 415960
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	378707 415960
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	137	1	378487 416148
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	191	1	378382 416085
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	242	1	379026 416184
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	378707 415960

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12NE (W)	210	1	378356 416077
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NE)	0	1	378707 415960
	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 (NE)	0	1	378707 415960
	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 (NE)	0	1	378707 415960

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	Contemporary Trade Directory Entries Name: Red Rose Cleaning Co Location: 8, Stanford Hall Crescent, Ramsbottom, Bury, Lancashire, BL0 9FD Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	13	-	378737 415851
219	Contemporary Trade Directory Entries Name: Helping Hands Domestic Cleaning Services Ltd Location: 40, Stanford Hall Crescent, Ramsbottom, Bury, Lancashire, BL0 9FD Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	40	-	378620 415777
219	Contemporary Trade Directory Entries Name: Helping Hands Location: 40, Stanford Hall Crescent, Ramsbottom, Bury, Lancashire, BL0 9FD Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	40	-	378620 415777
220	Contemporary Trade Directory Entries Name: Diamond Cleaning Nw Location: 18, Regent Street, Ramsbottom, Bury, Lancashire, BL0 9PF Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	97	-	378452 415977
221	Contemporary Trade Directory Entries Name: Mammi'S W C Location: 13, George Road, Ramsbottom, Bury, Lancashire, BL0 9NQ Classification: Razor Blade Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NW (N)	126	-	378647 416217
222	Contemporary Trade Directory Entries Name: The Laundry Room Location: 30, Bolton Road West, Ramsbottom, Bury, Lancashire, BL0 9ND Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	132	-	378714 416248
223	Contemporary Trade Directory Entries Name: Ramsbottom Cottage Hospital Location: Ramsbottom Cottage Hospital, Nuttall Lane, Ramsbottom, Bury, Lancashire, BL0 9JZ Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (E)	133	-	378994 416058
224	Contemporary Trade Directory Entries Name: Cinderella Cleaning Services Location: 196, Bolton Road West, Ramsbottom, BURY, Lancashire, BL0 9PE Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	147	-	378407 415850
225	Contemporary Trade Directory Entries Name: Bury Print & Design Location: 20, Bolton Road West, Ramsbottom, Bury, BL0 9ND Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (N)	157	-	378736 416274
225	Contemporary Trade Directory Entries Name: J & M Preservation Location: 9, Bolton Road West, Ramsbottom, Bury, Lancashire, BL0 9NA Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	162	-	378773 416274
225	Contemporary Trade Directory Entries Name: J & M Preservation Location: 9, Bolton Road West, Ramsbottom, Bury, Lancashire, BL0 9NA Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	162	-	378773 416274

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
225	Contemporary Trade Directory Entries Name: Emf Exposure Location: 10, BOLTON ROAD WEST, RAMSBOTTOM, BL0 9ND Classification: Electronic Equipment - Manufacturers & Assemblers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (N)	175	-	378756 416290
225	Contemporary Trade Directory Entries Name: Aquasure (Uk) Ltd Location: 8, Bolton Road West, Ramsbottom, Bury, Lancashire, BL0 9ND Classification: Swimming Pool Contractors, Repairers & Service Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (N)	179	-	378755 416295
225	Contemporary Trade Directory Entries Name: Easi Blind Location: 8, Bolton Road West, Ramsbottom, Bury, Lancashire, BL0 9ND Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	179	-	378755 416295
226	Contemporary Trade Directory Entries Name: Maid It Clean Location: 20, Cemetery Road, Ramsbottom, Bury, Lancashire, BL0 9PU Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	213	-	378436 415693
227	Contemporary Trade Directory Entries Name: Ace Plumbing & Heating Location: 219, Whittingham Drive, Ramsbottom, Bury, BL0 9NY Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	245	-	379013 415724
228	Contemporary Trade Directory Entries Name: Ironing Service Location: 235, Bolton Road West, Ramsbottom, BURY, Lancashire, BL0 9PS Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	257	-	378356 415721
229	Contemporary Trade Directory Entries Name: The Iron Maiden Location: 196, Bolton Street, Ramsbottom, Bury, Lancashire, BL0 9JE Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	274	-	378818 416376
230	Contemporary Trade Directory Entries Name: Marlborough Cleaning & Maintenance Services Location: 34, Dundee Lane, Ramsbottom, Bury, Lancashire, BL0 9HL Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	285	-	378719 416403
231	Contemporary Trade Directory Entries Name: Fabricad Design Location: Hazelhurst Engraving Works, 258-260, Bolton Road West, Ramsbottom, Bury, Lancashire, BL0 9PX Classification: Printers Textile Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (SW)	325	-	378293 415692
232	Contemporary Trade Directory Entries Name: All Gleam Location: 17, Henwick Hall Avenue, Ramsbottom, Bury, BL0 9YH Classification: Oven cleaning Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	344	-	378980 415580
233	Contemporary Trade Directory Entries Name: Platinum Blinds Location: 52, Chiltern Road, Ramsbottom, Bury, Lancashire, BL0 9LF Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	380	-	379154 415671

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
233	Contemporary Trade Directory Entries Name: Automotive Refinishing Supplies Ltd Location: 56, Chiltern Road, Ramsbottom, Bury, BL0 9LF Classification: Car Paint & Lacquer Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	396	-	379159 415653
234	Contemporary Trade Directory Entries Name: Prayon (Uk) Plc Location: 7, Carnoustie Drive, Ramsbottom, Bury, Lancashire, BL0 9QL Classification: Chemicals - Distributors & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	392	-	378550 416466
235	Contemporary Trade Directory Entries Name: Cormar Carpets Location: Holme Mill, Railway Street, Ramsbottom, Bury, BL0 9AU Classification: Carpets & Rugs - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	444	-	379192 416302
235	Contemporary Trade Directory Entries Name: Greenwood & Coope Ltd Location: Holme Mill, Ramsbottom, Bury, Lancashire, BL0 9AU Classification: Carpets & Rugs - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	489	-	379208 416349
236	Contemporary Trade Directory Entries Name: Smithie Garage Location: Spring Street, Ramsbottom, Bury, BL0 9JQ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	481	-	378923 416558
237	Contemporary Trade Directory Entries Name: Ironing 4 You Location: 24, Strathmore Close, Ramsbottom, Bury, Lancashire, BL0 9YW Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	500	-	379169 415520
238	Contemporary Trade Directory Entries Name: Compsey Creamery Location: 22, Helmsdale Close, Ramsbottom, Bury, Lancashire, BL0 9YR Classification: Cheese Makers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	510	-	378264 415445
239	Contemporary Trade Directory Entries Name: Constructive Cleaning Services Location: Holcombe Old Rd, Holcombe, Bury, Lancashire, BL8 4NF Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A12NE (W)	519	-	378052 416139
240	Contemporary Trade Directory Entries Name: Crane Safety Systems Ltd Location: 117, Victoria Street, Ramsbottom, Bury, BL0 9EB Classification: Hydraulic Equipment & Accessories - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	582	-	378925 416665
241	Contemporary Trade Directory Entries Name: A L Bio Services Location: 6a, Kay Brow Yard, Kay Brow, Ramsbottom, Bury, Lancashire, BL0 9AY Classification: Laboratories Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	594	-	379092 416587
241	Contemporary Trade Directory Entries Name: Clayton Motors Location: Unit 6, Kay Brow, Ramsbottom, Bury, Lancashire, BL0 9AY Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	609	-	379113 416590
242	Contemporary Trade Directory Entries Name: M C Motor Repairs Ltd Location: Kay Brow Yard, Kay Brow, Ramsbottom, Bury, Lancashire, BL0 9AY Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	610	-	379153 416557

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
242	Contemporary Trade Directory Entries Name: Ramsbottom Paint & Bodyshop Location: Kay Brow Yard, Kay Brow, Ramsbottom, Bury, Lancashire, BL0 9AY Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	610	-	379153 416557
242	Contemporary Trade Directory Entries Name: Ramsbottom Tyres & Exhausts Location: Kay Brow Yard, Kay Brow, Ramsbottom, Bury, Lancashire, BL0 9AY Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	610	-	379153 416557
242	Contemporary Trade Directory Entries Name: Al-Bioservices Location: Unit 6a Kay Brow Yard, Bury, Lancashire, BL0 9AY Classification: Laboratories Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	614	-	379151 416564
242	Contemporary Trade Directory Entries Name: Ramsbottom Tyres & Exhausts Ltd Location: Unit 1, Kay Brow Complex, Kay Brow, Ramsbottom, BL0 9AY Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	631	-	379168 416571
242	Contemporary Trade Directory Entries Name: Maddog Guitars & Customs Location: Unit 5, Kay Brow Complex, Kay Brow, Ramsbottom, BL0 9AY Classification: Musical Instrument - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	631	-	379168 416571
242	Contemporary Trade Directory Entries Name: Ramsbottom Car & Commercial Location: Kay Brow Yard, Kay Brow, Ramsbottom, Bury, Lancashire, BL0 9AY Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	642	-	379168 416586
242	Contemporary Trade Directory Entries Name: Bni (Windows) Ltd Location: Kay Brow Yard, Kay Brow, Ramsbottom, Bury, Lancashire, BL0 9AY Classification: Window Frames - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	643	-	379169 416587
242	Contemporary Trade Directory Entries Name: Caliber Cleaning Location: Kay Brow Yard, Kay Brow, Ramsbottom, Bury, Lancashire, BL0 9AY Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	643	-	379169 416587
242	Contemporary Trade Directory Entries Name: 1st Discounts Ltd Location: Kay Brow Yard, Kay Brow, Ramsbottom, Bury, BL0 9AY Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	666	-	379205 416585
242	Contemporary Trade Directory Entries Name: Ramsbottom Car & Commercial Location: Kay Brow Yard, Kay Brow, Ramsbottom, Bury, Lancashire, BL0 9AY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	666	-	379205 416585
243	Contemporary Trade Directory Entries Name: M & J Supplies Location: 33, Marlborough Close, Ramsbottom, Bury, Lancashire, BL0 9YU Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	616	-	379133 415353
244	Contemporary Trade Directory Entries Name: Classic Carpet Location: 91, Victoria Street, Ramsbottom, Bury, Lancashire, BL0 9EB Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	628	-	378906 416720

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
245	Contemporary Trade Directory Entries Name: Peel Pumps Location: 62, Woodhey Road, Ramsbottom, Bury, BL0 9RB Classification: Pumps - Sales, Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	629	-	378357 415243
246	Contemporary Trade Directory Entries Name: K P Fire Engineering Location: 191, Whittingham Drive, Ramsbottom, Bury, Lancashire, BL0 9NY Classification: Firefighting Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	640	-	379245 415401
246	Contemporary Trade Directory Entries Name: C-Air Filtration Location: 18, Cleveland Close, Ramsbottom, Bury, BL0 9FH Classification: Air Purification Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	683	-	379281 415376
247	Contemporary Trade Directory Entries Name: Rainbow International Location: 51, Victoria Street, Ramsbottom, Bury, Lancashire, BL0 9ED Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	713	-	378870 416816
248	Contemporary Trade Directory Entries Name: Damar Packaging Co Ltd Location: Square Street, Ramsbottom, Bury, Lancashire, BL0 9BE Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	714	-	379132 416707
249	Contemporary Trade Directory Entries Name: Ben-Tex Engineering Location: Square Street, Ramsbottom, BURY, BL0 9BE Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	757	-	379117 416767
249	Contemporary Trade Directory Entries Name: Irwell Works Brewery Location: Irwell Street, Ramsbottom, BURY, Lancashire, BL0 9YQ Classification: Brewery Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	757	-	379117 416767
249	Contemporary Trade Directory Entries Name: Siandratti Furniture Location: 1, Cross Street, Ramsbottom, Bury, Lancashire, BL0 9DZ Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	769	-	379087 416798
250	Contemporary Trade Directory Entries Name: Ramsbottom Stoves & Chimney Linings Location: 42, Bolton Street, Ramsbottom, Bury, Lancashire, BL0 9HX Classification: Woodburning Stoves Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	796	-	379017 416860
251	Contemporary Trade Directory Entries Name: G J C Cleaning Services Location: 30, Tanners Street, Ramsbottom, Bury, Lancashire, BL0 9ES Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	806	-	378707 416923
252	Contemporary Trade Directory Entries Name: Empire Motor Co Location: Empire Works, Railway St, Ramsbottom, Bury, Lancashire, BL0 9AL Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	810	-	379252 416736
252	Contemporary Trade Directory Entries Name: Ramsbottom Metalwork Location: Empire Works, Railway Street, Ramsbottom, BL0 9AL Classification: Wrought Ironwork Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	811	-	379253 416736

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
252	Contemporary Trade Directory Entries Name: Fedex Uk Location: Railway Street, Ramsbottom, Bury, Lancashire, BL0 9AL Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A19NW (NE)	811	-	379253 416736
253	Contemporary Trade Directory Entries Name: Simply Clean Location: 25, Springwater Avenue, Ramsbottom, Bury, Lancashire, BL0 9TX Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	831	-	378428 415006
254	Contemporary Trade Directory Entries Name: Orbital Design Location: 3, Princes Court, Silver Street, Ramsbottom, Bury, Lancashire, BL0 9BJ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	844	-	379123 416864
255	Contemporary Trade Directory Entries Name: Cooks Emporium Location: 22, Bolton Street, Ramsbottom, Bury, Lancashire, BL0 9HX Classification: Cookers - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	846	-	379020 416912
255	Contemporary Trade Directory Entries Name: Dine At Home Location: 15, Bolton Street, Ramsbottom, BURY, BL0 9HU Classification: Tableware Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	859	-	379052 416914
255	Contemporary Trade Directory Entries Name: Ramsbottom Stoves Location: 12, Bolton Street, Ramsbottom, Bury, BL0 9HX Classification: Woodburning Stoves Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	871	-	379026 416936
256	Contemporary Trade Directory Entries Name: Abicus Office Systems Location: 3a, Smithy Street, Ramsbottom, Bury, Lancashire, BL0 9AT Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (N)	852	-	379068 416899
256	Contemporary Trade Directory Entries Name: Bridge Savers Location: 66, Bridge Street, Ramsbottom, Bury, Lancashire, BL0 9AG Classification: Toiletries Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (N)	888	-	379105 416922
256	Contemporary Trade Directory Entries Name: Car Medic Location: 47, Bridge Street, Ramsbottom, Bury, Lancashire, BL0 9AD Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (N)	911	-	379093 416953
257	Contemporary Trade Directory Entries Name: Ian Stuart Location: Unit 1, Halter Inn Works, Holcombe Brook, Ramsbottom, Bury, Lancashire, BL0 9SA Classification: Cabinet Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	854	-	377924 415302
257	Contemporary Trade Directory Entries Name: Fintek Location: Unit 1-2, Halter Inn Works, Holcombe Brook, Ramsbottom, Bury, BL0 9SA Classification: Metal Finishing Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	855	-	377923 415301

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
257	Contemporary Trade Directory Entries Name: Holcombe Brook Garage Location: 402, Bolton Road West, Ramsbottom, Bury, Lancashire, BL0 9RY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	860	-	377952 415261
258	Contemporary Trade Directory Entries Name: Chem-Dry Cascade Location: 21, Union Street, Ramsbottom, Bury, Lancashire, BL0 9AN Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	857	-	379180 416846
258	Contemporary Trade Directory Entries Name: Screenway Design Location: 21, Union Street, Ramsbottom, Bury, Lancashire, BL0 9AN Classification: Screen Process Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	857	-	379180 416846
258	Contemporary Trade Directory Entries Name: Chem-Dry Cascade Location: 21, Union Street, Ramsbottom, Bury, Lancashire, BL0 9AN Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	857	-	379180 416846
258	Contemporary Trade Directory Entries Name: Brierley Mould Services Location: 21, Union Street, Ramsbottom, Bury, Lancashire, BL0 9AN Classification: Tool Design, Manufacturers & Makers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	857	-	379180 416846
258	Contemporary Trade Directory Entries Name: Chem Dry Location: 21, Union Street, Ramsbottom, Bury, Lancashire, BL0 9AN Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	857	-	379180 416846
259	Contemporary Trade Directory Entries Name: Victorian Cast Iron Furnishings Location: 7, Coulthurst Street, Ramsbottom, Bury, Lancashire, BL0 9ET Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	858	-	378655 416972
260	Contemporary Trade Directory Entries Name: East Lancashire Railway Location: Ramsbottom Railway Station, Railway Street, Ramsbottom, Bury, BL0 9AL Classification: Railways Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	887	-	379285 416808
260	Contemporary Trade Directory Entries Name: Station Garage Location: Railway Street, Ramsbottom, Bury, BL0 9AL Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	896	-	379262 416837
261	Contemporary Trade Directory Entries Name: Woodholme Supplies Location: 40-42, Bridge Street, Ramsbottom, Bury, BL0 9AQ Classification: Hardware Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	887	-	379169 416888
261	Contemporary Trade Directory Entries Name: First Impression Location: 44, Bridge Street, Ramsbottom, Bury, Lancashire, BL0 9AQ Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	890	-	379163 416895
262	Contemporary Trade Directory Entries Name: Carter Interiors Location: 407, Bolton Road West, Ramsbottom, Bury, Lancashire, BL0 9RN Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	894	-	377955 415211

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
263	Contemporary Trade Directory Entries Name: D B Stove Installations Location: 111, Summerseat Lane, Ramsbottom, Bury, BL0 9TR Classification: Woodburning Stoves Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NW (S)	901	-	378424 414936
264	Contemporary Trade Directory Entries Name: Press On Location: 85, Carr Street, Ramsbottom, BURY, Lancashire, BL0 9EG Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	911	-	378755 417028
265	Contemporary Trade Directory Entries Name: Mondri Packaging Location: Holcombe Mill, Peel Bridge, Ramsbottom, BURY, Lancashire, BL0 0BS Classification: Paper & Pulp Mills Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NE (NE)	916	-	379411 416739
266	Contemporary Trade Directory Entries Name: M J Laycock Heavy Haulage Location: OLD BANK CHAMBERS, 2, LONGSIGHT ROAD, RAMSBOTTOM, BURY, BL0 9TD Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SW (SW)	921	-	378009 415122
267	Contemporary Trade Directory Entries Name: Carlton Cleaners Location: 13, HOLCOMBE PRECINCT, AVONDALE DRIVE, RAMSBOTTOM, BL0 9SH Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A7SW (SW)	924	-	377969 415155
267	Contemporary Trade Directory Entries Name: Carlton Location: 13, Holcombe Precinct, Ramsbottom, Bury, BL0 9SH Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	926	-	377965 415156
267	Contemporary Trade Directory Entries Name: Carlton Cleaners Location: 13, Holcombe Precinct, Ramsbottom, Bury, Lancashire, BL0 9SH Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	926	-	377965 415156
268	Contemporary Trade Directory Entries Name: Design Drafting Services Location: 4, Carr Street, Ramsbottom, Bury, Lancashire, BL0 9AE Classification: Printed Circuit Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	925	-	378986 417006
269	Contemporary Trade Directory Entries Name: D & D Roofing Location: 2, Crow Lane, Ramsbottom, BURY, Lancashire, BL0 9BR Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	955	-	379187 416956
270	Contemporary Trade Directory Entries Name: Formulated Polymer Products Ltd Location: 8, Garden Street, Ramsbottom, Bury, Lancashire, BL0 9BQ Classification: Adhesives, Glues & Sealants Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	959	-	379267 416911
271	Contemporary Trade Directory Entries Name: A Clayton Location: 10, Paradise Street, Ramsbottom, Bury, Lancashire, BL0 9BS Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A24SW (N)	966	-	379134 416994

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
271	Contemporary Trade Directory Entries Name: Robert Mather Ltd Location: Crow Lane, Ramsbottom, Bury, Lancashire, BL0 9BR Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A24SW (NE)	967	-	379165 416980
271	Contemporary Trade Directory Entries Name: J P Motors Location: Paradise Street, Ramsbottom, Bury, Lancashire, BL0 9BS Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A24SW (NE)	993	-	379148 417018
272	Contemporary Trade Directory Entries Name: Fridgeland Online Ltd Location: Kay St, Summerseat, Bury, Lancashire, BL9 5PE Classification: Refrigerators & Freezers - Servicing & Repairs Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	967	-	379381 415094
272	Contemporary Trade Directory Entries Name: Fridgeland On-Line Ltd Location: The Gatehouse, Kay Street, Summerseat, Bury, Lancashire, BL9 5PE Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SE (SE)	975	-	379417 415111
272	Contemporary Trade Directory Entries Name: Zenith Carpet & Upholstery Cleaning Location: 10,10 The Spinnings, Waterside Road, The Spinnings, Summerseat, Bury, Lancashire, BL9 5QW Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9SE (SE)	993	-	379456 415118
273	Contemporary Trade Directory Entries Name: Formbys Location: 19-21, Market Place, Ramsbottom, BURY, Lancashire, BL0 9AJ Classification: Bookbinding & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A24SW (N)	973	-	379072 417028
274	Contemporary Trade Directory Entries Name: Platinum Blinds Location: 6, Pinners Close, Ramsbottom, Bury, BL0 9LP Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	975	-	378972 417062
275	Contemporary Trade Directory Entries Name: Wendys Windows Location: 45, Longsight Road, Ramsbottom, Bury, Lancashire, BL0 9SL Classification: Window Frames - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	987	-	378112 414967
276	Contemporary Trade Directory Entries Name: P S S Technologies Location: 158, SUMMERSEAT LANE, RAMSBOTTOM, BURY, BL0 9TT Classification: Heat Treatment - Metals Status: Active Positional Accuracy: Automatically positioned to the address	A3NW (S)	992	-	378630 414825
277	Contemporary Trade Directory Entries Name: Herbert Fell Location: Ash Grove, Ramsbottom, Bury, Lancashire, BL0 9RS Classification: Textile Manufacturing Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SW (SW)	994	-	377915 415110
278	Fuel Station Entries Name: Station Garage Location: Railway Street, Ramsbottom, Bury, Greater Manchester, BL0 9AL Brand: Unbranded Premises Type: Petrol Station Status: Closed Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	896	-	379262 416837

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
279	Ancient Woodland Name: Broad Hey Wood Reference: 1105579 Area(m²): 113216.74 Type: Ancient and Semi-Natural Woodland	A13SE (S)	90	8	378760 415775
280	Ancient Woodland Name: Nuttall Wood Reference: 1105581 Area(m²): 17846.02 Type: Ancient and Semi-Natural Woodland	A14SE (E)	742	8	379604 415750
281	Ancient Woodland Name: Gollinrod Wood Reference: 1105582 Area(m²): 105407.74 Type: Ancient and Semi-Natural Woodland	A9NE (E)	776	8	379595 415625
282	Ancient Woodland Name: Dawes Bank Wood Reference: 1105578 Area(m²): 47615.86 Type: Ancient and Semi-Natural Woodland	A12SW (W)	781	8	377783 415735
283	Areas of Adopted Green Belt Authority: Bury Metropolitan Borough Council Plan Name: Bury Unitary Development Plan Status: Adopted Plan Date: 29th August 1997	A13NW (NW)	218	6	378389 416143
284	Local Nature Reserves Name: Redisher Wood Multiple Area: N Area (m2): 127242.4 Source: Natural England Designation Date: 8th November 2004	A12SW (W)	844	8	377735 415663
285	Sites of Special Scientific Interest Name: West Pennine Moors Multiple Areas: Y Total Area (m2): 76154904.66 Source: Natural England Reference: 2000830 Designation Details: Common Land Designation Date: 17th November 2016 Date Type: Notified Designation Details: Ministry Of Defence Reserve Designation Date: 17th November 2016 Date Type: Notified Designation Details: National Trust Reserve Designation Date: 17th November 2016 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 17th November 2016 Date Type: Notified Designation Details: Woodland Trust Reserve Designation Date: 17th November 2016 Date Type: Notified	A17SW (NW)	636	8	378016 416339

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office Rossendale Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Blackburn with Darwen Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department	November 2023 October 2017 October 2017 September 2017 September 2017 September 2017	Annually Annual Rolling Update Annually Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	January 2024	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	
Integrated Pollution Controls Environment Agency - North West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - North West Region	October 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Variable Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Not Applicable Not Applicable Annual Rolling Update Not Applicable Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Blackburn with Darwen Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Bolton Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Rossendale Borough Council - Environmental Health Department	February 2015 February 2015 July 2014 July 2014 May 2016	Variable Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	February 2024	
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	
Registered Radioactive Substances Environment Agency - North West Region Environment Agency - Head Office	June 2016 May 2023	As notified Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	January 2024 January 2024 January 2024	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - North West Region	October 2023	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	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	December 2023	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	December 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	January 2024	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	January 2024	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area Environment Agency - North West Region - South Area	January 2024 January 2024 January 2024	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) 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	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group 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 Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Lancashire County Council - Waste Management Group 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	
Registered Landfill Sites 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	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites 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	
Registered Waste Treatment or Disposal Sites 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	

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	January 2024	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Lancashire County Council Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	April 2023 February 2016 February 2016 February 2016 May 2023 May 2023	Variable Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council - Planning Department Bury Metropolitan Borough Council Lancashire County Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2016 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 Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	January 2024	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	February 2024	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Underground Electrical Cables National Grid	February 2023	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2023	Bi-Annually
Areas of Adopted Green Belt Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2024 February 2024 February 2024 February 2024 February 2024	Quarterly Quarterly Quarterly Quarterly Quarterly
Areas of Unadopted Green Belt Blackburn with Darwen Borough Council Bolton Metropolitan Borough Council Bury Metropolitan Borough Council Rochdale Metropolitan Borough Council Rossendale Borough Council - Planning Department	February 2024 February 2024 February 2024 February 2024 February 2024	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	February 2024	Bi-Annually
Marine Nature Reserves Natural England	February 2024	Bi-Annually
National Nature Reserves Natural England	February 2024	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	February 2024	Bi-Annually
Sites of Special Scientific Interest Natural England	November 2023	Bi-Annually
Special Areas of Conservation Natural England	April 2024	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	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Stantec UK Ltd	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Bury Metropolitan Borough Council - Environmental Health Department 3 Knowsley Place, Duke Street, Bury, Lancashire, BL9 0EJ	Telephone: 0161 253 5000 Fax: 0161 253 5563 Website: www.bury.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Bury Metropolitan Borough Council Craig House, Bank Street, Bury, Lancashire, BL9 0DN	Telephone: 0161 253 5000 Fax: 0161 705 5290 Website: www.bury.gov.uk
7	The Coal Authority - Property Searches 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk Website: www2.groundstability.com
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Rossendale Borough Council - Planning Department Town Hall, Rawtenstall, Lancashire, BB4 7LZ	Telephone: 01706 217777 Fax: 01706 224958 Website: www.rossendale.gov.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

General

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

Agency and Hydrological

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

Waste

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

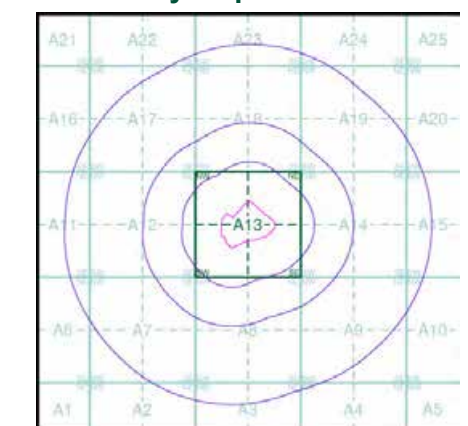
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



Order Details

Order Number: 342589837_1_1
 Customer Ref: M24-042
 National Grid Reference: 378710, 415960
 Slice: A
 Site Area (Ha): 6.18
 Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD

Industrial Land Use Map

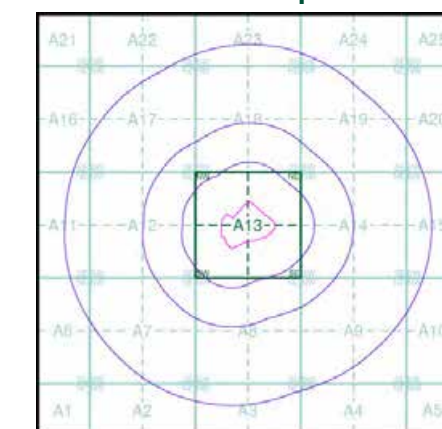
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 342589837_1_1
 Customer Ref: M24-042
 National Grid Reference: 378710, 415960
 Slice: A
 Site Area (Ha): 6.18
 Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



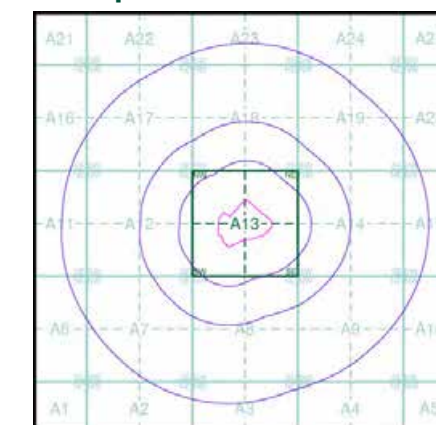
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A

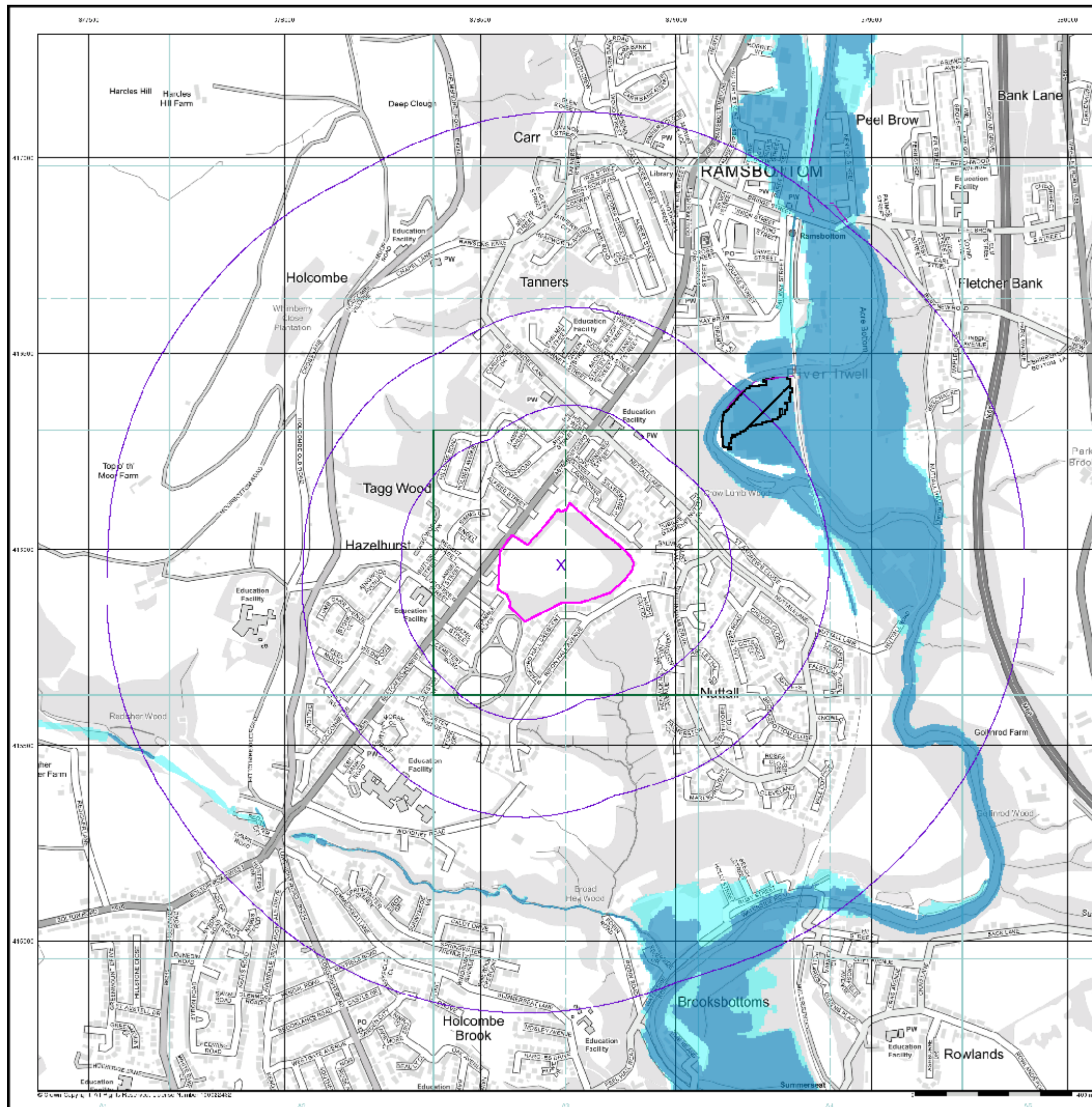


Order Details

Order Number: 342589837_1_1
 Customer Ref: M24-042
 National Grid Reference: 378710, 415960
 Slice: A
 Site Area (Ha): 6.18
 Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



General

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

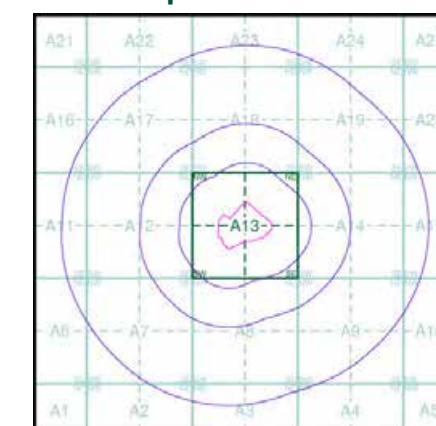
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



Order Details

Order Number: 342589837_1_1
 Customer Ref: M24-042
 National Grid Reference: 378710, 415960
 Slice: A
 Site Area (Ha): 6.18
 Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD

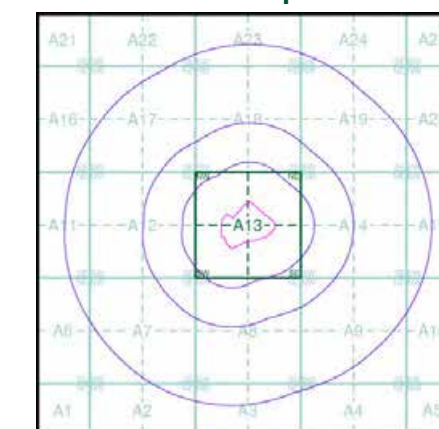
General

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

OS Water Network Data

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

OS Water Network Map - Slice A

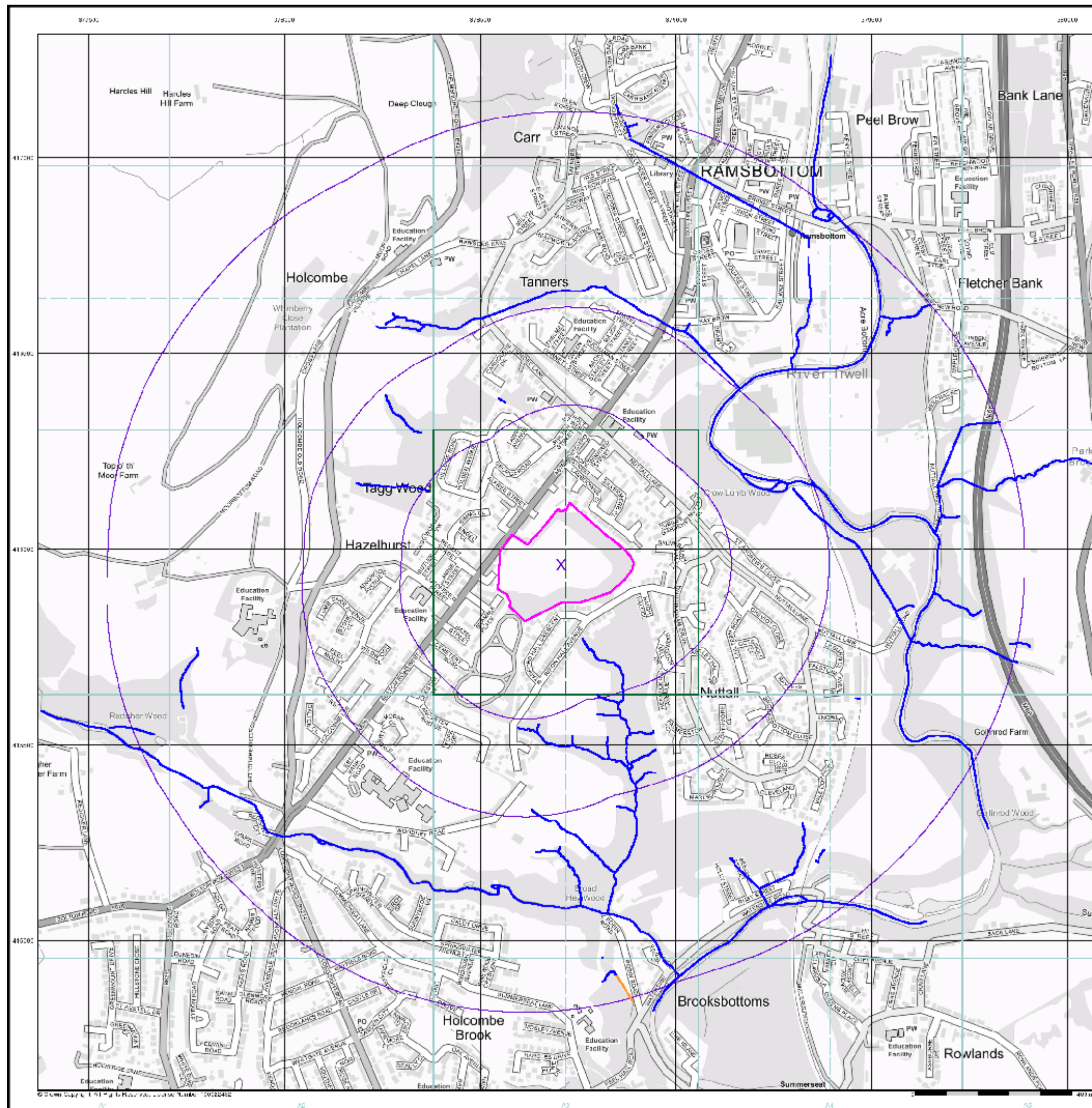


Order Details

Order Number: 342589837_1_1
 Customer Ref: M24-042
 National Grid Reference: 378710, 415960
 Slice: A
 Site Area (Ha): 6.18
 Search Buffer (m): 1000

Site Details

Top Park Bolton Road West, Ramsbottom, Bury, BL0 9PD



APPENDIX D

David Bellis Consulting Surveyors Ltd
8, Mornington Terrace
Harrogate
North Yorkshire
HG1 5DH



T: 01423 529911 F: 01423 529922
E: contact@coalsearchplus.com
W: www.coalsearchplus.com



By

David Bellis
CONSULTING SURVEYORS

Regulated Coal Mining Search Report

Incorporating Cheshire Brine Screening



SITE LOCATION AND COAL MINING FEATURE PLAN

ADDRESS: Top Park, Bolton Road West, Ramsbottom, Bury, BL0 9PD
SEARCH NUMBER: 463199



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KEY

Property Boundary

50m property boundary buffer

Coal mining subsidence claims
within 50m (section 7)

Mine entries within 20m (section 5)

Adits

Shafts

Symbols are indicative only and are not drawn to scale.



World Topographic Map - Sources: Esri, HERE, Garmin, Intermap, Increment P Corp, GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

This plan shows the location of the subject property and where relevant the location of mine entries and subsidence claims referred to in the attached CoalSearchPlus+ regulated coal mining search report. The plan must be viewed in conjunction with the detailed findings in the attached report. A coal mining risk rating, including recommended further action where appropriate, is given at the conclusion of the report. (section 8)

This plan shows reportable features relevant to the property only. Additional relevant coal mining aspects are reported upon within the report. The report and content of this plan are specific to the property under consideration. The report contents should not be used in relation to other property in the area.

Mine entries are reported if they are located within the property boundary or within 20m of it. (see report section 5 for detail)

Coal mining subsidence claims, made since 31st October 1994 and recorded by The Coal Authority, are reported for the subject property or property located within 50m of its boundary. Records of claims prior to this date are not normally retained by The Coal Authority and will not be reported. (see report section 7 for details)

Property owners have the benefit of the protection of the Coal Mining Subsidence Act 1991* in the event of the occurrence of damage from disused coal mine workings including from disused coal mine entries.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused shafts and adits). The emergency telephone number at all times is (01623) 646333. If you have any questions or queries regarding the content of this coal mining report please contact David Bellis Consulting Surveyors Ltd.

* Note The Coal Mining Subsidence Act 1991 does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester

Serial Number 463199

Client detail :

Solmek Midlands
Unit 3 Prospect House
Colliery Close
Staveley
Chesterfield
S43 3QE

CoalSearchPlus+ by David Bellis Consulting
Surveyors Ltd
8 Mornington Terrace
Harrogate
North Yorkshire
HG1 5DH

Tel 01423 529911
Fax 01423 529922

Search produced by M J Peace

Property details:

Top Park
Bolton Road West
Ramsbottom
Bury
BL0 9PD

Your ref : MID 0227**Purchaser :****Vendor :**

In accordance with your instructions received 12 Apr 2024 we have inspected plans and records of coal mine workings and have made enquiries with respect to Cheshire brine extraction in relation to the above property and can report as follows :

1. **SEAM DETAILS FOR PAST UNDERGROUND COAL MINING** : In relation to the property the undermentioned seam(s) have been worked within the likely zone of physical influence on the surface.

Seam	Depth (m)	Sect (cm)	Date	Remarks
See Remarks				No previous recorded coal workings.

2. **SEAM DETAILS FOR CURRENT AND FUTURE UNDERGROUND COAL MINING** : The undermentioned seam(s) are currently being worked, or licenses to work are being determined, or have been granted to work, within the likely zone of physical influence on the surface in relation to the property.

Seam	Depth (m)	Sect (cm)	Date	Remarks
				Coal in reserve - no workings currently planned.

3. UNDERLYING GEOLOGY :

The property is situated in an area of boulder clay over sandstones, siltstones and mudstones over coal measures.

Conjectured coal outcrop.

Serial Number 463199

4. OPENCAST COAL MINING :

Past Opencast Workings : The property is not situated within the boundary of a former opencast coal mining site.

Present Opencast Workings : The property is not situated within 200m of the boundary of a currently operating opencast coal mining site.

Future Opencast Workings : The property is not situated within 800m of the boundary of an opencast site for which a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

5. MINE ENTRIES, MINE GAS, SURFACE HAZARDS AND ADDITIONAL INFORMATION :

The Coal Authority licensed Mine Entry dataset shows no evidence of any shafts or adits within 20 metres of the property or the boundary of the property.

There are no tips or lagoons in the vicinity of the Property.

The Coal Authority licensed Mine Gas dataset shows no record of mine gas emissions within the property or the property boundary requiring action.

The Coal Authority licensed Coal Mining Related Hazards dataset shows that the property has not been subject to remedial works by the Coal Authority, or its representatives, under the Coal Authority Emergency Surface Hazard Call Out Procedures.

6. NOTICES IN RELATION TO FUTURE COAL MINING ACTIVITY :

We have no knowledge of any intention to work coal by underground methods within influencing distance on the surface in the vicinity of the property for which section 46 notices have been issued under the Coal Mining Subsidence Act 1991.

7. PAST COAL MINING RELATED SUBSIDENCE :

A review of the records held by the Coal Authority has shown no evidence of coal mining related subsidence claims in relation to the subject property since 31st October 1994. This is the period for which records are held by the Coal Authority.

8. CONCLUSION (COAL MINING) : In the light of the above facts we conclude that in relation to coal mining :

In our opinion it is unlikely that coal will be worked in the foreseeable future.

COAL MINING RISK LEVEL : We recommend that the transaction is treated as :

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Where this report is to be used for development purposes particular attention is drawn to the paragraphs below concerning the ownership of in situ coal, coal workings and the risks from mine gases.

Please note that the overall coal mining risk level above is based upon an assessment of the detailed information contained in the body of the report. The risk assessment must be used in conjunction with the detailed report.

If development of the property is being considered then all necessary enquiries and investigations should be completed prior to the commencement of works to ensure that proposals follow good engineering practice for development in mining areas. The Coal Authority has ownership of in situ coal, coal mines (both current and disused) and coal mine shafts and adits. Activities that intersect, enter or disturb any of the Coal Authority's interests require the written permission of the Authority.

Any development proposals should consider risks to the development, or adjacent property, of generating or displacing underground gases where coal seams or former mining works are disturbed. The need for effective measures to prevent gasses entering public properties should be assessed and properly addressed. These actions are necessary due to the public safety implications of development in these circumstances.

CHESHIRE BRINE EXTRACTION INFORMATION :

The property lies outside the Cheshire Brine Compensation District as prescribed by the Cheshire Brine Pumping (Compensation for Subsidence) Act 1952.

With respect to coal mining there is nothing to prevent a claim being made under the provisions of the Coal Mining Subsidence Act 1991 and subsequent legislation, but it must not be inferred that the Coal Authority or their licensees will necessarily accept that any damage has been caused as a result of mining subsidence.

If you require any further information please contact CoalSearchPlus+ on 01423 529911 or via our website www.coalsearchplus.com.

This report is prepared in accordance with the CoalSearchPlus+ terms and conditions as published on the CoalSearchPlus+ website (www.coalsearchplus.com) on the date of issue of this report.

This is a Coal Mining Search Report and is not to be interpreted as being part of an Environmental Assessment of the property.

We cannot be held responsible for the accuracy of the information provided to us by third party organisations.

The information and/or material supplied is composed from data based in many cases on measurements and records of various standards of reliability and age. We cannot be held responsible for the accuracy of such information.

This search report is based upon the privately owned CoalSearchPlus+ mining record database, data supplied to CoalSearchPlus+ under license from the Coal Authority, and plans and records held by the Coal Authority and made publicly available at the time of inspection which may include British Geological Survey and Ordnance Survey data. Organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining (Subsidence) Act 1991 and the Coal Industry Act 1994.

This report contains Data provided by the Coal Authority. Any and all analysis and interpretation of the Coal Authority Data in this report is made by David Bellis Consulting Surveyors Ltd trading as CoalSearchPlus+, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be copyright of the Coal Authority and permission should be sought from David Bellis Consulting Surveyors Ltd prior to any re-use.

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Coal Authority Address : The Coal Authority, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, HG18 4RG
British Geological Survey Address : British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham NG12 5GG

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May contain public sector information licensed under the Open Government Licence v3.0
Coal Authority data supplied under license may contain Ordnance Survey information Crown Copyright © 100020315 [2024]

The information contained in this report relates to the property address given by the individual or organisation ordering the report. Where a plan indicating the property location and boundary is supplied with the instruction the report is based on that information. Where no plan is supplied the report is based on the property location as defined in publicly available mapping data. At all times it remains the responsibility of the instructing organisation or individual to define the boundary of the property.

Additional notes applicable to Residential Coal Mining Reports only:

David Bellis Consulting Surveyors Ltd is not aware of any personal or business relationship between the person conducting or preparing the search and any person involved in the sale of the property.

This report is a desk study of existing published geological and coal mining records, the CoalSearchPlus+ coal mining data base and data supplied under license by the Coal Authority. In order to compile this report enquiries have been made in relation to the following:

Past Coal Mining – the existence of any previously worked seams of coal within influencing distance on the surface in relation to the property including an indication of the depth and age of the workings,
A statement of shallow depth generally indicates records show that coal has been mined within 30m of the surface. In some circumstances coal classified as shallow may extend up to a depth of 50m.
A statement of moderate depth indicates records show that coal has been mined at between 30m and 500m depth.
A statement of 'at depth' indicates records show that coal has been mined at depths of over 500m.

Present Coal Mining - the existence of any currently worked seams of coal within influencing distance on the surface in relation to the property including an indication of the depth and age of the workings. The existence of coal that could be worked at some time in the future will be enquired into and detail of any relevant licenses disclosed where available.

Underlying Geology - the underlying geology of the property will be reviewed and briefly described in relation to coal mining.

Opencast Coal Mining - the existence of past present and future opencast coal mining, specifically :

- if the property is situated within the boundary of a former opencast site. In the case of old opencast workings it must be understood that the records are often unclear regarding the site boundary and or worked areas. Published records and data supplied under license by the Coal Authority will be reviewed to give our opinion of the existence of relevant former opencast coal workings.
- if the property is situated within 200m of the boundary of a currently operating opencast site.
- if the property is situated within 800m of the boundary of an opencast for which either a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

Mine Entries, Mine Gas, Surface Hazards and Additional Information – the existence of any mine entries within 20m of the property or the boundary of the property and its associated land and buildings (the definition of the boundary of the property is the responsibility of the individual or organisation ordering this report). Where a mine entry is found to exist the approximate location of the mine entry will be indicated on a plan. The existence of unworked coal will be enquired into and our opinion regarding the likelihood of it being worked at some time in the past will be given where relevant.

It will be reported if mine gas emissions relating to the property are recorded by The Coal Authority.

It will be reported if The Coal Authority has carried out work in relation to the property after a report of an alleged coal mining related hazard under the Coal Authority's Emergency Hazard Call Out procedures.

Any other relevant coal mining related features discovered will be noted.

Notices in relation to future coal mining activity – the existence of notices indicating an intention to work coal by underground methods in the future.

Past coal mining related subsidence – report if The Coal Authority licensed Claim Dataset shows record of a coal mining subsidence claim having been reported on the subject property or any other property within 50m of the boundary of the subject property since 31st October 1994. Where available claim detail information will be given for claims on the subject property only.

Coal Mining Risk Level – the opinion of David Bellis Consulting Surveyors Ltd of the risk posed to the property from coal mining given all the information contained in the report. The risk to the property is given in relation to the majority of the housing stock in the immediate area.

Cheshire Brine – the location of the property in relation to the Cheshire Brine Compensation District.

Additional information, including answers to many frequently asked questions, can be found on the CoalSearchPlus+ website, www.coalsearchplus.com

Complaints Procedure

David Bellis Consulting Surveyors Ltd is registered with the Property Codes Compliance Board as a subscriber to the Search Code. A key commitment under the Code is that firms will handle any complaints both speedily and fairly.

If you want to make a complaint, we will:

Serial Number 463199

- Acknowledge it within 5 working days of receipt.
- Normally deal with it fully and provide a final response, in writing, within 20 working days of receipt.
- Keep you informed by letter, telephone or e-mail, as you prefer, if we need more time.
- Provide a final response, in writing, at the latest within 40 working days of receipt.
- Liaise, at your request, with anyone acting formally on your behalf.

Complaints should be sent to:

Mr M. Peace, Director, David Bellis Consulting Surveyors Ltd, 8 Mornington Terrace, Harrogate, North Yorkshire, HG1 5DH
Tel : 01423 529911 Fax : 01423 529922 Email : contact@coalsearchplus.com

If you are not satisfied with our final response, or if we exceed the response timescales, you may refer the complaint to The Property Ombudsman scheme (TPOs):

Tel: 01722 333306, Website: www.tpos.co.uk, E-mail: admin@tpos.co.uk

We will co-operate fully with the Ombudsman during an investigation and comply with his final decision.

Date : 15 Apr 2024

Signed :



Serial Number 463199**Important Consumer Protection Information**

This search has been produced by David Bellis Consulting Surveyors Ltd, 8 Mornington Terrace, Harrogate, HG1 5DH (T: 01423 529911, F: 01423 529922, E: contact@coalsearchplus.com) which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practice and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- Display the Code logo prominently on their search reports.
- Act with integrity and carry out work with due skill, care and diligence.
- At all times maintain adequate and appropriate insurance to protect consumers.
- Conduct business in an honest, fair and professional manner.
- Handle complaints speedily and fairly.
- Ensure that all products and services comply with industry registration rules and standards and relevant laws.
- Monitor their compliance with the Code.

Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award up to £5,000 to you if the Ombudsman finds that you have suffered actual financial loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the Code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details:

The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Website: www.tpos.co.uk
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk.

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

Serial Number 463199**David Bellis Consulting Surveyors Ltd and CoalSearchPlus+ Terms and Conditions (Available in large print by request)**

1. Definitions.
 - a) The Service Provider is David Bellis Consulting Surveyors Ltd, trading as CoalSearchPlus+.
 - b) The Applicant is the Individual, Organisation, or appointed officer of said Organisation placing a Request with the Service Provider.
 - c) The Third Party Provider is any Organisation from which the Service Provider obtains data and/or information on behalf of the Applicant in the normal course of fulfilling the Applicants Request.
 - d) The request is a formal Request by the Applicant with CoalSearchPlus+ to retrieve specific data and/or information.
2. CoalSearchPlus+ accept Requests only on the basis that the Applicant is acting as a principal and is directly liable for payment of our invoice or account.
3. It is the policy of CoalSearchPlus+ to observe confidentiality with regard to the identity and affairs of our customers to the extent permitted by law, but, in common with other service providers, we may be required exceptionally to disclose information to governmental and other public authorities.
4. The placing of a Request by the Applicant with CoalSearchPlus+ confirms acceptance of these terms and conditions.
5. Any Order Form produced by CoalSearchPlus+, either printed or published on the CoalSearchPlus+ website, is an invitation to treat. The Applicant makes an offer to buy from CoalSearchPlus+ by the submission of a Request, subject to clause 10. Acceptable modes of transmission for a Request are facsimile (fax), telephone, electronic mail(e-mail), online transmission via the CoalSearchPlus+ website only, Royal Mail or courier appointed by the Applicant.
6. Orders will be accepted on order forms other than CoalSearchPlus+ forms however these will be accepted under the standard CoalSearchPlus+ terms and conditions only, subject to Clause 10.
7. CoalSearchPlus+ reserves the right to refuse any Request.
8. CoalSearchPlus+ reserves the right to cancel any Request at any time.
9. Proof of transmission of a Request by the Applicant does not constitute proof of receipt by CoalSearchPlus+.
10. It is the responsibility of the Applicant to ensure the accuracy, legibility, clarity and completeness of all data and/or information provided to CoalSearchPlus+ as part of the Request, including but not limited to, names, numbers, addresses, location plans, and boundary plans. This applies whether the Request is submitted on CoalSearchPlus+ order forms either printed or published on the CoalSearchPlus+ website or on the Applicants own order form.
11. CoalSearchPlus+ may request additional relevant data and/or information from the Applicant in the course of fulfilling a Request, including, but not limited to, names, numbers, addresses, location plans, and boundary plans.
12. CoalSearchPlus+ may request clarification of data and/or information supplied by the Applicant.
13. If, subsequent to Clause 11. and/or Clause 12., requested data and/or information is not provided and/or clarified, CoalSearchPlus+ cannot be held responsible for any resultant loss or delay.
14. If, subsequent to Clause 11. and/or Clause 12., requested data and/or information is not provided and/or clarified within a reasonable period of time, CoalSearchPlus+ reserves the right to cancel the Request in whole or in part. The Applicant remains liable for all fees, Taxes and Disbursements accrued prior to the cancellation.
15. CoalSearchPlus+ reserves the right to subcontract data and/or information retrieval to selected Organisations and/or Individuals. CoalSearchPlus+ is not required to reveal the identity of its Subcontractors.
16. CoalSearchPlus+ will, in the process of fulfilling the request, retrieve data and/or information from publicly and/or commercially available sources and the CoalSearchPlus+ mining database. The sources of data used will primarily be data held by The Coal Authority under an agreement with the Health and Safety Executive, data owned by the British Geological Survey and the CoalSearchPlus+ database.
17. A CoalSearchPlus+ mining report is a report of the interpretation of the data sources in 16. made by CoalSearchPlus+ staff.
18. CoalSearchPlus+ coal mining search reports are based upon the plans and records available from data sources detailed in 16. at the time the report was produced. It should be understood that third party organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining Subsidence Act 1994. CoalSearchPlus+ cannot be held responsible for changes to the future proposals and intentions of Third Parties.
19. The information and/or material supplied in a CoalSearchPlus+ coal mining report is composed from data based, in many cases, on measurements and records of various standards of reliability and age. In some instances (usually relating to older records) it is necessary for CoalSearchPlus+ to make assumptions regarding the 'best plot' position of mining features. For these reasons users of CoalSearchPlus+ reports should take the position of mining features detailed in reports to be indicative only.
20. The data and/or information that a coal mining search report is based on is constantly being updated. A CoalSearchPlus+ coal mining search report is based on the most up to date information available at the time that the report is produced however it cannot be guaranteed that the information and/or data will not become obsolete at some time in the future. Responsibility for the supply of accurate and up to date information to CoalSearchPlus+ lies with the data supplying organisations listed in 16.
21. A CoalSearchPlus+ coal mining search report relates only to coal mining and minerals worked in relation to coal mining. Other reports may be required in relation to other minerals.
22. A CoalSearchPlus+ coal mining search report is not a substitute for site investigation or a mining survey. Depending on the content of a coal mining search report, or whether development is intended, the Applicant must decide whether a site investigation or mining survey is required.
23. CoalSearchPlus+ coal mining reports comply with the Search Code.
24. All CoalSearchPlus+ reports are covered by professional indemnity insurance. The content of CoalSearchPlus+ coal mining search reports does not prevent any future claim being made by the Applicant against the Coal Authority in respect of coal mining related subsidence.

Serial Number 463199

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26. All CoalSearchPlus+ coal mining search reports give the information detailed in the services section of the CoalSearchPlus+ website and summarised in the report. Further explanation of this information is available in the Glossary and/or the Frequently Asked Questions areas of the CoalSearchPlus+ website. Alternatively contact CoalSearchPlus+ who will be happy to explain the content of a report.
27. The Request is fulfilled when all reports, data and/or information requested by the Applicant have been retrieved and/or compiled by CoalSearchPlus+ and delivered by electronic mail (e-mail) or fax or post or a combination of these methods as required by the Applicant. Alternative delivery arrangements are at the discretion of CoalSearchPlus+.
28. If Requests for multiple reports, data and/or information relating to multiple addresses were made on a single order form these will be fulfilled individually by the delivery of the reports, data and/or information relating to each individual address being treated as an individual Request.
29. CoalSearchPlus+ is not responsible for any loss or misdelivery of retrieved data and/or information caused by failure of Royal Mail or internet service provider. Most retrieved data and/or information is archived by CoalSearchPlus+ and a copy may be requested by the Applicant. If the data and/or information could not be archived CoalSearchPlus+ reserves the right to treat the request as a new Request.
30. Delivery, by whatever agreed means, will be accompanied by an invoice. Delivery by electronic mail may be followed up with a paper invoice by post. Where Applicants have agreed account facilities with CoalSearchPlus+ invoicing may be on a monthly basis. In all cases the Applicant agrees to provide CoalSearchPlus+ with remuneration for the full amount shown on the invoice, including all Fees, Taxes and Disbursements.
31. The Applicant will be liable for payment of the full invoice amount within 14 days from the date of receipt of the invoice. CoalSearchPlus+ reserve the right to charge for costs and expenses incurred in recovering late payments and to charge interest at the rate of 8% above the Bank of England base rate per annum for the full period that the payments are overdue.
32. Where full payment of the invoice is not made by the Applicant within 14 days from receipt of the invoice CoalSearchPlus+ reserve the right to withdraw account facilities from the Applicant and cancel any individual agreements concerning fees or other Terms and Conditions that may have been made between the Applicant and CoalSearchPlus+.
33. Where possible the Applicant will receive Advance Notice of the cost of the Request, including all Fees, Taxes and Disbursements, prior to receipt of the invoice. This advance notice will take the form of the price for the service requested as published on the CoalSearchPlus+ website, or the price as individually agreed between CoalSearchPlus+ and the Applicant.
34. Additional Fees, Taxes and Disbursements may arise during the course of data and/or information retrieval, over and above Advance Notice costs as in clause 33. The Applicant is liable for any such additional costs. Where possible, the Applicant is notified of additional costs prior to fulfilment of the Request.
35. If the Applicant shall pay in advance of receipt of the invoice, then the Applicant remains liable for any underpayment.
36. Any overpayment on the part of the Applicant will be refunded. Arrangements for refunds are agreed on a case-by-case basis, through discussion between CoalSearchPlus+ and the Applicant.
37. The Applicant may cancel the Request in whole or in part at any time prior to Clause 27.
38. If the Applicant cancels the Request in whole or in part prior to Clause 27, the Applicant remains liable for all Fees, Taxes and Disbursements already accrued prior to the Cancellation.
39. CoalSearchPlus+ accept no liability for any loss incurred by the Applicant or the Applicants client where the Applicant is acting as an agent for a client, due to late fulfilment and delivery of the Request.
40. CoalSearchPlus+ accept no liability for any loss to the Applicant, or the Applicant's client where the Applicant is acting as an agent for a client, due to any negative outcome of a report provided in the process of the correct and accurate fulfilment of the Request.
41. Any disputes relating to the provision of coal mining search reports should be addressed to the Practice Principal, CoalSearchPlus+ in the first instance. Disputes will be settled according to the CoalSearchPlus+ complaints procedure detailed in each report.
42. Independent Dispute Resolution - If you make a complaint and we are unable to resolve it to your satisfaction you may refer the complaint to The Property Ombudsman scheme (website: www.tpos.co.uk email: admin@tpos.co.uk Tel: 01722 333306). We will cooperate fully with the Ombudsman during an investigation and comply with his final decision.
43. Third Party and subcontractor Terms and Conditions shall apply in addition to these clauses. Should any conflict arise between CoalSearchPlus+ Terms and Conditions and Third Party or Subcontractor Terms and Conditions, then CoalSearchPlus+ Terms and Conditions prevail unless and until CoalSearchPlus+ expressly states otherwise in writing and/or courts of England and Wales establish otherwise.
44. No variation to these Terms and Conditions is effective unless and until CoalSearchPlus+ expressly agrees in writing.
45. CoalSearchPlus+ reserves the right to alter these terms and conditions as appropriate, without notice, at any time. Such amended Terms and Conditions will become effective upon publication on the CoalSearchPlus+ website.
46. These Terms and conditions are subject to English Law and the exclusive jurisdiction of the courts of England and Wales.

APPENDIX E

UK BACKGROUND

Environmental Protection Act 1990: Part 2A Revised Statutory Guidance (April 2012)

This revised document explains how the Local Authority should decide if land, based on a legal interpretation, is contaminated. The document replaces the previous guidance given in Annex 3 of DEFRA Circular 01/2006, issued in accordance with section 78YA of the 1990 Environmental Protection Act.

The main objectives of the Part 2A regime are to “*identify and remove unacceptable risks to human health and the environment*” and to “*seek to ensure that contaminated land is made suitable for its current use*”.

Part 2A uses a risk based approach to defining contaminated land whereby the “risk” is interpreted as “*the likelihood that harm, or pollution of water, will occur as a result of contaminants in, on or under the land*” and by “*the scale and seriousness of such harm or pollution if it did occur*”.

For a relevant risk to exist a contaminant, pathway and receptor linkage must be present before the land can be considered to be contaminated. The document explains that “*for a risk to exist there must be contaminants present in, on or under the land in a form and quantity that poses a hazard, and one or more pathways by which they might significantly harm people, the environment, or property; or significantly pollute controlled waters.*”

A conceptual model is used to develop and communicate the risks associated with a particular site.

To determine if land is contaminated the local authority use various categories from 1 to 4. Categories 1 and 2 include “*land which is capable of being determined as contaminated land on grounds of significant possibility of significant harm to human health.*”

Categories 3 and 4 “*encompass land which is not capable of being determined on such grounds*”.

PRELIMINARY CONCEPTUAL MODEL

Preliminary Conceptual Models are undertaken in accordance with CIRIA C552. The Preliminary Conceptual Model assesses the consequence and the likelihood of a risk being realised to provide a risk classification, using the tables detailed below.

CONSEQUENCE OF RISK BEING REALISED (Based on C552 CIRIA, 2001)

Classification	Definition	Example
Severe	Short-term (acute) risk to human health, the environment, an element of the development or other aspect with is likely to result in <i>significant harm</i> , damage or both.	High concentrations of cyanide on the surface of an informal recreational area. Major spills of contaminants from site into controlled water. High concentrations of explosive gas in the subsurface environment that have a clear unobstructed pathway into buildings.
Moderate	Chronic damage to human health, a plausible chance that an event will occur, although the timeline is not immediate to be in the short-term.	Appreciable concentration of contamination that over the longer-term will cause significant harm i.e. high lead concentration in topsoil. Shallow mine workings that are potentially unstable but may remain in a satisfactory or stable conditions for a number of years.
Mild	Low level pollution of non-sensitive water, a feasible hazardous scenario although the timeline of such occurring can probably be considered in 10's of years.	The effect of high sulphate concentrations on structural concrete. Pollution of non-classified groundwater.
Minor	Harm, although not necessarily significant to human health, or with respect to other aspects of the development, which are considered implausible in terms of occurrence, or will have little consequential impact.	The presence of contaminants at such low concentrations that protective equipment is required during site works. Any damage to structures is minimal and will not be structural in characteristics.

PROBABILITY OF RISK BEING REALISED (C552 CIRIA, 2001)

Classification	Definition
High Likelihood	There is a viable pollutant linkage and an event that either appears very likely in the short term and almost inevitable over the long term, or there is evidence that the receptor has been harmed or polluted.
Likely	There is a viable pollutant linkage and all elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low Likelihood	There is a viable pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is a viable pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

RISK CLASSIFICATION MATRIX (C552 CIRIA, 2001)

Risk = Probability x Consequence		Consequence			
		Severe	Moderate	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate/low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

HUMAN RECEPTORS

Human exposure to contaminants present in soils can occur via several pathways. Direct exposure pathways include dermal absorption after contact with contaminated ground, inhalation of soil or dust, inhalation of volatised compounds, and inadvertent soil ingestion (or deliberate soil ingestion in the case of some children). Other indirect pathways include human ingestion of plants grown in contaminated soil or contaminated ground or surface water. Contaminants associated with wind blown dust can affect humans on surrounding sites.

VEGETATION

Plants can be affected by soil contamination in a number of ways resulting in growth inhibition, nutrient deficiencies and yellowing of leaves. Contaminants are taken up by plants through the roots and through foliage. Contaminants identified as being highly phytotoxic include boron, cadmium, copper, lead, nickel, and zinc.

To establish if the levels of contaminants present on a site may pose a risk to vegetation the results of the contamination testing are compared to a series of threshold values published in 'Code of Good Agricultural Practice for the Protection of Soil'.

GROUNDWATER AND SURFACE WATER RECEPTORS

The principal pathway by which soil contamination may reach the water environment is through a slow seepage or leaching to groundwater or surface water. The potential for contaminants to migrate along such pathways is dependent on the chemical and physical characteristics of the contaminants and the local hydrogeology. Surface watercourses may also accumulate contamination as contaminated sediments are deposited within the water body.

Where the site investigated overlies major/principal aquifers (and in some cases minor/secondary aquifers depending on certain conditions), groundwater Source Protection Zones and areas in close proximity to groundwater abstractions, contamination test results have been compared with the Water Supply (Water Quality) Regulations 1989 and The Water Supply (Water Quality) Regulations 2000.

Should a surface water receptor, such as a fresh water environment (river, canal, stream, lake etc), or marine environment be considered sensitive in relation to a site, then test results are compared with DEFRA & SEPA Environmental Quality Standards (2004). Many of the Environmental Quality Standards are hardness (CaCO_3) depended. Where no hardness values are available, Solmek assume conservative values (of between 0 and 50mg/l).

In the absence of vulnerable ground and surface water environments, Solmek may compare any test results with the Environment Agency Leachate Quality Threshold Values.

DETAILED QUANTITATIVE RISK ASSESSMENT (DQRA)

In line with Environment Agency's guidance document Environment Agency *Land Contamination Risk Management*, which replaced the now-withdrawn *Contaminated Land Report 11 – Model Procedures for the Management of Land Contamination (2004)*, a DQRA for groundwater/human health may be required following a Phase 2 investigation and before the preparation of a Phase 3 Remediation Strategy. For human health DQRA, a site specific assessment criteria is undertaken using CLEA Software Version 1.06. For groundwater DQRA, the Environment Agency Remedial Targets Worksheet Version 3.1 is used.

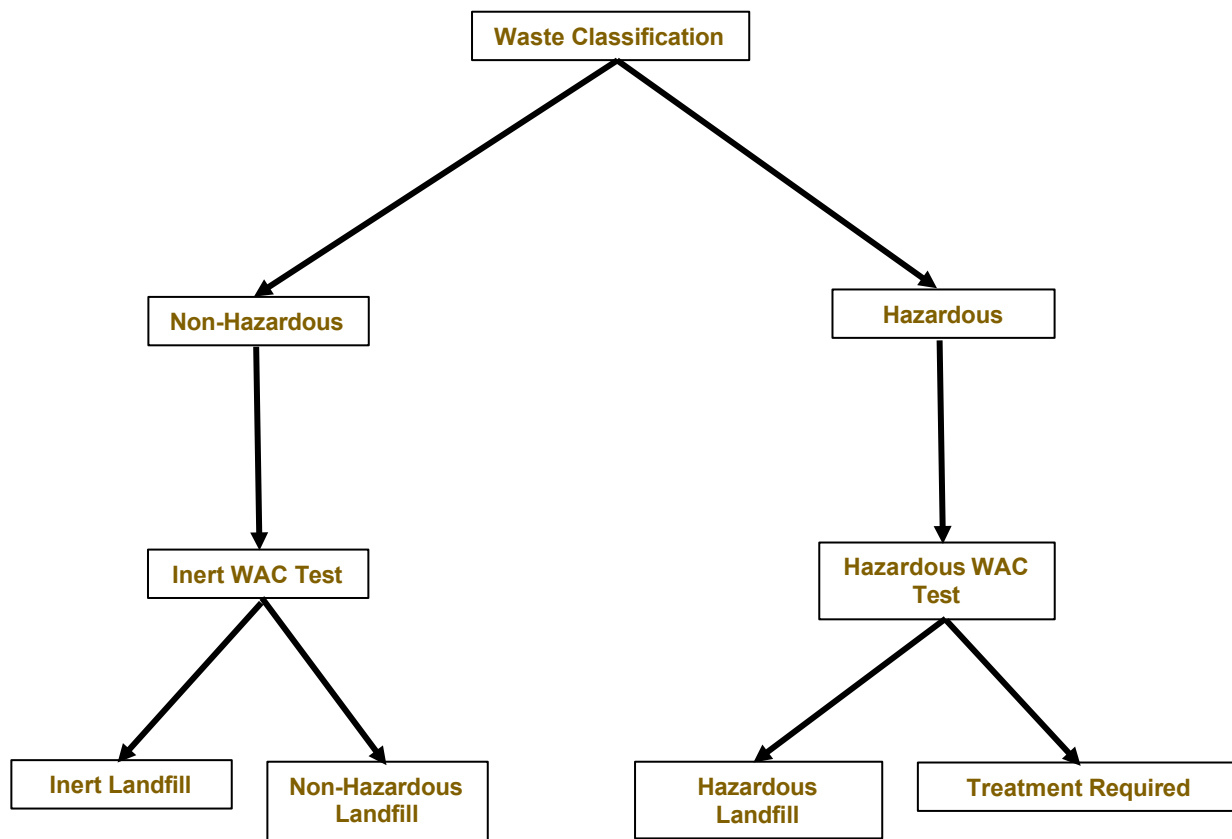
WASTE CLASSIFICATION AND WASTE ACCEPTANCE CRITERIA

During the site strip and construction activities, material may be required to be removed from site. Any such material would require classification, in line with Environment Agency Technical Guidance *Waste Classification: Guidance on the classification and assessment of waste (2015)*. This would classify the material as either Non-Hazardous or Hazardous Waste.

Once the material has been classified, determining the suitable landfill for disposal is governed by landfill directive Waste Acceptance Criteria (WAC) testing, with landfills categorized as Inert Waste, Stable Non-Reactive Hazardous Waste and Hazardous Waste. The WAC testing relates to materials that are to be exported from a site/development to landfill, and do not directly relate to human health specifically. The testing results are generally presented as certificates which can be used by site owners/contractors etc, which should be presented to the accepting waste facility or waste contractor.

If waste classification and/or WAC testing are not undertaken, material taken off site may be subject to WAC testing by the appropriate waste disposal company. The decision on whether or not to accept waste, or whether further testing is required, is at the discretion of the waste disposal company.

The below flow chart provides further information on the waste classification process.



CONSTRUCTION MATERIALS

Materials at risk from possible soil contaminants include inorganic matrices such as cement and concrete and also organic material such as plastics and rubbers. Acid ground conditions and high levels of sulphates can accelerate the corrosion of building materials. Where pH and soluble sulphate analysis has been undertaken, Solmek compare the test results with the guidelines presented within BRE Special Digest 1, 2005 (3rd Edition) 'Concrete in Aggressive Ground'. Plastics and rubbers are generally used for piping and service ducts and are potentially attacked by a range of chemicals, most of which are organic, particularly petroleum based substances. Drinking water supplies can be tainted by substances that can penetrate piping and water companies enforce stringent threshold values.

The levels of potential contaminants should be compared to thresholds supplied in the UK Water Industry Research (UKWIR) publication "Guidance for the selection of Water Supply Pipes to be used in Brownfield Sites" (January 2011). A Brownfield Site is defined in the document as "Land or premises that have not previously been used or developed that may be vacant or derelict". It should be noted that Brownfield sites may not be contaminated. The guidance does not apply to Greenfield Sites however water companies may have their own assessment criteria which should be checked by the developer. The table below outlines the pipe material selection threshold concentrations.

Parameter group	Pipe Material (Threshold concentrations in mg/kg)					
	PE	PVC	Barrier pipe (PE-AL-PE)	Wrapped Steel	Wrapped Ductile Iron	Copper
Extended VOC suite by purge and trap or head space and GC-MS with TIC	0.5	0.125	Pass	Pass	Pass	Pass
+ BTEX + MTBE	0.1	0.03	Pass	Pass	Pass	Pass
SVOCs TIC by purge and trap or head space and GC-MS with TIC (aliphatic and aromatic C5-C10)	2	1.4	Pass	Pass	Pass	Pass
+ Phenols	2	0.4	Pass	Pass	Pass	Pass
+ Cresols and chlorinated phenols	2	0.04	Pass	Pass	Pass	Pass
Mineral oil C11-C20	10	Pass	Pass	Pass	Pass	Pass
Mineral oil C21-C40	500	Pass	Pass	Pass	Pass	Pass
Corrosive (Conductivity, Redox and pH)	Pass	Pass	Pass	Corrosive if pH <7 and conductivity >400µS/cm	Corrosive if pH <5, Eh not neutral and conductivity >400µS/cm	Corrosive if pH <5 or >8 and Eh positive
Specific suite identified as relevant following site investigation						
Ethers	0.5	1	Pass	Pass	Pass	Pass
Nitrobenzene	0.5	0.4	Pass	Pass	Pass	Pass
Ketones	0.5	0.02	Pass	Pass	Pass	Pass
Aldehydes	0.5	0.02	Pass	Pass	Pass	Pass
Amines	Fail	Pass	Pass	Pass	Pass	Pass

REQUIREMENTS OF PARTIES WITHIN THE DEVELOPMENT PROCESS

Interested parties involved in the development process may use the data in different ways and there may be varying views and interpretation of the factual data. Local Authority staff may have a view on contamination and human health and the wider environment. The Environment Agency are concerned principally with the protection of Controlled waters. Building insurers, funders and purchasers may be primarily concerned with issues of potential commercial blight. Purchasers are also not always fully informed, and perceptions on issues associated with risk can affect the decision to purchase. Developers and construction organisations will focus on financial aspects of dealing with the contamination in the context of the development and construction programme.

RISKS & LIABILITIES FROM CONTAMINATION

In simple terms, risks associated with contamination may be considered in terms of 1) statutory risks and 2) development related risks. If contamination is severe or forms a potential hazard based on its potential to affect groundwater, surface water or human health, a statutory risk may be present, and as such, if the risk is not reduced, criminal proceedings may be instigated by a government body or local authority.

If the contamination is less severe or not considered to be mobile, it may be considered a commercial liability which could, in theory remain untreated, but which may at a later date affect the value of the property, or, with changing legislation, become a statutory risk. Commercial liabilities could give rise to civil proceedings by third parties if there are grounds for action.

♣Solmek conditions of offer, notes on limitations & basis for contract (ref: version1/2024)

These conditions accompany our tender and supercede any previous conditions issued. Solmek will prepare a report solely for the use of the Client (the party invoiced) and its agent(s). No reliance should be placed on the contents of this report, in whole or in part by 3rd parties. The report, its content and format and associated data are copyright, and the property of Solmek. Photocopying of part or all of the contents, transfer or reproduction of any kind is forbidden without written permission from Solmek. A charge may be levied against such approval, the same to be made at the discretion of Solmek.

Solmek cannot be held liable and do not warrant, or otherwise guarantee the validity of information provided by third parties and subsequently used in our reports. Solmek are not responsible for the action negligent of otherwise of subcontractors or third parties.

Site investigation is a process of sampling. The scope and size of an investigation may be considered proportional to levels of confidence regarding the ground and groundwater conditions. The exploratory holes undertaken investigate only a small volume of the ground in relation to the overall size of the site, and can only provide a general indication of site conditions. The opinions provided and recommendations given in this report are based on the ground conditions as encountered within each of the exploratory holes. There may be different ground conditions elsewhere on the site which have not been identified by this investigation and which therefore have not been taken into account in this report. Reports are generally subject to the comments of the local authority and Environment Agency. The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that mobile contamination, ground gas levels and groundwater levels may vary owing to seasonal, tidal and/or weather related effects. Solmek cannot be held liable for any unrecorded or unforeseen obstructions between exploratory boreholes and trial pits. This includes instances where previous structures on the site (buried man made structures) or the presence of boulder clay (cobbles and/or boulder obstructions) have been anticipated. All types of piling operations should make allowance for obstructions within the construction budget to accommodate this. Unrecorded ancient mining may occur anywhere where seams that have been worked and influence the rock and soil above. Dissolution cavities can occur where gypsum or chalk is present. Rotary drilling is the recommended technique to prove the integrity of the rock.

Where the scope of the investigation is limited via access to information, time constraints, equipment limitations, testing, interpretation or by the client or his agents budgetary constraints, elements not set out in the proposal and excluded from the report are deemed to be omitted from the scope of the investigation.

Desk studies are generally prepared in accordance with RICS guidelines. Environmental site investigations are generally undertaken as 'exploratory investigations' in accordance with the definitions provided in paragraph 5.4 of BS 10175:2011 in order to confirm the conceptual assumptions. You are advised to familiarize yourself with the typical scope of such an investigation. No pumping of water will be undertaken unless a licence or facilities/equipment have been arranged by others.

Where the type, number or/and depth of exploratory hole is specified by others, Solmek cannot and will not be responsible for any subsequent shortfall or inadequacy in data, and any consequent shortfall in interpretation of environmental and geotechnical aspects which may be required at a later date in order to facilitate the design of permanent or temporary works.

All information acquired by Solmek in the course of investigation is the property of Solmek, and, only also becomes the joint property of the Client only on the complete settlement of all invoices relating to the project. Solmek reserve the right to use the information in commercial tendering and marketing, unless the Client expressly wishes otherwise in writing. The quoted rates do not include VAT, and payment terms are 30 days from dispatch of invoice from our offices. Quotes are subject to a site visit.

We have allowed for 1 mobilisation and normal working hours unless otherwise stated. The scope of the investigation may be reviewed following the desk study and/or fieldwork. The presence or otherwise of Japanese Knotweed or other invasive plants can be difficult to identify especially during winter months. If Japanese Knotweed or other invasive species are suspect, it should be confirmed by an ecologist. We have not allowed for acquiring services information, and cannot be responsible for damage to underground services or pipes not shown to us or not clearly shown on plans. Costs incurred will be passed on to you, and in commissioning Solmek you understand and accept that you/your agent have a contractual relationship with Solmek & you accept this. Our rates assume unobstructed, reasonably level and firm access to the exploratory positions and adequate clear working areas and headroom. We have priced on the basis that you or your client have the necessary permissions, wayleaves and approvals to access land. All boreholes and pits are backfilled with arisings except where gas monitoring pipes are installed with stopcock covers. Solmek are not responsible for any uneven surfaces as a result of siteworks and rutting and backfilled excavations may require re-levelling and/or making good by others after fieldwork is complete, and Solmek has not allowed for this. No price has been provided or requested for a return visit to remove pipework and covers. Hourly rates apply to consultancy only and do not include expenses unless otherwise shown. If warranties are required, legal costs incurred will be passed on to you assuming Solmek agree to complete such warranties, modified or otherwise and you understand and agree to pay all costs.

We reserve the right to pursue full payment of the invoice prior to release of any information including reports. We advise you/your client that we may elect to pursue our statutory rights under late payment legislation, and will apply 8% to the base rate for unreasonably late payments. Solmek are exempt from the CIS Scheme. Solmek offer to undertake work only in strict accordance with conditions covered by our current insurances, which are available for inspection. Solmek are not responsible for acts, negligent or otherwise of subcontractors and as a matter of policy cannot indemnify any other parties. Professional indemnity Insurance is limited to ten times the invoice net total except where stated otherwise by Solmek. Solmek give notice that consequential loss as a direct or indirect result of Solmek's activities or omission of the same are excluded.