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1 Introduction

1.1 Background

Sutcliffe Projects (Sutcliffe) were instructed by Great Places on the 3rd July 2014 to undertake a Phase I environmental review of the site known as Parkhill Avenue and located at Parkhill Avenue, Manchester, M8 4RA (*Figure 1*).

The proposed layout is shown on Drawing (Ref: 13-017 SK04). This report has been prepared to support a planning application to develop the site for social housing.

1.2 Scope of Works

The scope of works was to undertake a Phase I desk study using available information, and to place the site in its environmental context. For there to be a significant risk requiring further investigation a source, pathway and receptor must all be present. In order to assess whether this is the case, background research is required to obtain relevant information about the site and its surroundings and to assess the findings qualitatively. The scope of the assessment examined whether there is the potential for current and historic soil and/or groundwater contamination to be present, both at and in the vicinity of the site, and to assess significance in terms of the potential to pose a risk to human health, controlled waters, building infrastructure, and the wider environment and identify any associated potential liabilities.

The scope of the Phase I environmental review included the following:

- a review of available historic maps to determine the land-use history in the context of potentially contaminative activities;
- a review of environmental data relating to the site and its surroundings using a proprietary third-party environmental database;
- desk-based assessment of site geology, hydrogeology and hydrology from published mapping and web-based sources to determine the site's environmental setting and sensitivity;
- a web-based search of the Environment Agency (EA) website and other freely available sources of information to identify any potential issues relating to the site and surrounding areas;
- enquiries with the Local Authority Environmental Health departments regarding possible known issues relating to the site; and

- provision of a qualitative contaminated land risk assessment based on Source-Pathway-Receptor as per current best practice contained in CLR11¹.

A site inspection was undertaken by Christopher Baldwin on 31st July 2014. No sampling or testing of soils or waters was undertaken as part of this environmental review. All other information in this report has been obtained via public sources.

1.3 Scope of Works

This report is a desk study report which has been prepared using readily available information in accordance with the project stage requirements, budget and time scales. The opinions expressed in this report and the comments and recommendations given are based upon the information obtained from the desk assessment and an initial site reconnaissance. At this stage intrusive investigations have yet to be undertaken at site to establish actual ground and groundwater conditions and provide data for assessment of the environmental status of the site.

The information, views and conclusions drawn concerning the site are based in part on information supplied to Sutcliffe Projects (Sutcliffes) by other parties. Sutcliffes have proceeded in good faith on the assumption that this information is accurate. Sutcliffe Projects accepts no liability for any inaccurate conclusions, assumptions or actions taken resulting from any inaccurate information supplied to Sutcliffes from others.

The geo-environmental walkover survey consisted of a general external inspection of the site aimed at identifying any obvious signs of geo-technical hazards affecting the site and potential sources of ground contamination. Any risks identified in this desk study are perceived risks based on the information reviewed and currently available. Actual risks can only be assessed following a physical investigation of the site.

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¹ *Model Procedures for the Management of Contaminated Land*, Contaminated Land Report 11 (CLR11), EA, September 2004

2 Environmental Review

2.1 Introduction

The Phase I environmental review comprised the following elements:

- a review of historical land uses and activities at the site and neighbouring land;
- a review of the geological, hydrogeological and hydrological data associated with the site and surrounds; and
- a search of environmental regulatory databases to obtain information on industrial processes, licensed landfill sites and data on pollution incidents.

2.2 Site Location and Setting

The site address is located at Parkhill Avenue, Manchester, M8 4RA at National Grid Reference (NGR) 384950, 402730 (*Figure 1*).

The site is located on Parkhill Avenue/ Delaunays Road/ Cleveland Road. The site is approximately 3.3 miles southeast of Manchester City Centre. Location plans of varying scales and an aerial photograph are shown on the following pages.



Figure 1: General Location of Site

2.3 Proposed Development

The proposed layout is yet to be finalised, but we understand that several alternative options are with new social housing. Details can be seen in the proposed site plan (Drawing Ref: 13-017 SK04).

2.4 Site Description and Layout

The site is an irregular shape and occupies an approximate area of 0.38 ha. The site is roughly rectangular in shape and is bordered by Cleveland Road to the north, Delaunays Road to the east and Parkhill Avenue to the west. The site currently consists of a number of small trees. The site has a severe slope from the Parkhill Avenue side of the site down to Delaunays Road. Buildings annotated on historic maps are no longer present on the site.



Figure 2: General Site Layout of the Site

2.5 Site Walkover

The site is located in the Crumspall area of Manchester. The site can be accessed from Parkhill Avenue to the west. The site has a large number of mature trees and large areas of overgrown vegetation. Japanese Knotweed has been noted in a number of areas within the site. A report was for the site was issued by Nimrod Environmental LTD on 8th July 2013, which can be found in *Appendix E*. There is limited potential for contamination from sources off site; the surrounding area comprises residential properties and an electrical sub-station within 10m north of the site.



Figure 3: Aerial Photograph of the Site

2.6 Services

A search of publically available information regarding the presence of live services was undertaken. The following information was provided with the drawings and plans provided in *Appendix D*.

Sewer: Sewer services run underground along three roads bordering the site; Cleveland Road, Delaunays Road and Parkhill Avenue. All sewers flow in a north eastern direction.

Water: Water services run underground along the roads bordering the site; Delaunays Road and Parkhill Avenue.

Electricity: An electricity sub-station is approximately 10m from from the northern section of the site.

Virgin Media: Virgin Media services run underground along the north and eastern boundaries of the site.

BT: Awaiting information.

2.7 Site History

Historical maps were obtained and reviewed by Sutcliffes to determine the historical development of the target site. These are presented in *Annex B*. This enabled an assessment to be made of the potential for contamination associated with former activities, both on-site and in the surrounding areas (*Table 2.1*).

Table 2.1 : Site History		
Date/Scale	Features On-site	Features Off-site
1848 1:10,560	The site comprises fields with no developments.	The surrounding area comprises largely of FIELDS and COTTAGES . Roads run along the north and eastern boundaries of the site. Blackley Logwood MILL is located 100m north on the banks of the RIVER IRK , which flows from north to south. Approximately 200m north of the site a SAND PIT is noted. A number of SCHOOLS are noted approximately 300m north east. A PRINT WORKS is annotated 600m east of the site.
1894 1:10,560	The site remains relatively unchanged; a RESERVOIR is noted directly adjacent to the east of the site.	The surrounding area has continued to develop with a number of HOUSES and INDUSTRIAL BUILDINGS in close proximity to the site. Two additional MILLS are noted adjacent to Blackley Logwood MILL 100m north of the site. A SPRING is noted 400m north east of the site. A large CHEMICAL WORKS is annotated within 300m north east of the site. East of the site some 200m a CHEMICAL WORKS is noted. 300m east of the site is a DYE WORKS . A RESERVOIR is noted 400m to the east of the site. Approximately 500m southeast Moss House WORKS is noted. A number of MILLS and a PRINT WORKS are noted 700m southeast of the site also. Within 100m and 350m south, two WORK HOUSES are noted. 300m south a

Table 2.1 : Site History		
Date/Scale	Features On-site	Features Off-site
		<p>HOSPITAL is noted. A CEMETERY is annotated within 700m south. Approximately 600m southwest a BRICKWORKS is noted. Whitefield & Radcliffe RAILWAY line is noted along with Crumpsall TRAIN STATION 850m southwest of the site. A HOUSING development has started to be built within 150m west of the site. A number of RESERVOIRS are noted within 900m northwest of the site.</p>
<p>1909 / 1910</p> <p>1:2,500 / 1:10,560</p>	<p>A small number of HOUSES are noted within the south and southwestern sections of the site.</p>	<p>HOUSES have been built directly opposite the site to the north. Within 200m north Blackley Vale MILL (ELECTRIC CABLE) is noted. Northeast of the site approximately 200m is a MATCHWORKS. 500m northeast an OLD CLAY PIT is annotated. 200m west of the site a TANNERY is noted. Southeast of the site SPRINGS are noted at 400m and 500m. South of the site some 400m Crumpsall Park is noted. East of the site the HOUSING development has continued to develop. Northeast of the site approximately 300m a disused WORKS is annotated.</p>
<p>1922 / 1923</p> <p>1:2,500 / 1:10,560</p>	<p>The site is unchanged</p>	<p>450m northeast of the site a RESERVOIR is annotated. Northeast of the site some 800m a GOLF COURSE is noted. 500m both a RESERVOIR and a FOOTBALL GROUND are annotated. Crumpsall STATION located 850m west of the site has expanded and now has a COAL WHARF attached to it.</p>

Table 2.1 : Site History		
Date/Scale	Features On-site	Features Off-site
1932 / 1933 1:10,560	The site remains unchanged.	Both RESERVOIR and FOOTBALL GROUND located 500m east of the site are no longer noted. A MINERAL RAILWAY is noted approximately 400m southeast of the site and is linked to the Whitefield & Radcliffe RAILWAY LINE . The CHEMICAL WORKS located south of the site is now annotated as part of the HOSPITAL due to its expansion. The HOUSING ESTATE located west of the site has also expanded.
1938 1:10,560	The site remains unchanged	The surrounding area has continued to expand.
1952 / 1953 1:1,250	The site remains unchanged.	There are two REFUSE HEAPS noted approximately 80m north of the site. 150m east of the site, two ELCETRICITY SUB-STATIONS are noted. Further east some 200m TANKS are noted also. Within the HOSPITAL grounds two ELECTRICITY SUB-STATIONS are noted at 400m and 500m. Within the HOUSING ESTATE to the west a DAIRY is noted approximately 50m away. A SPORTS GROUND is located approximately 150m northwest of the site.
1956 1:10,000	The site remains unchanged.	The population of the surrounding area has continued to expand.
1966 / 1968 1:10,560	The site remains unchanged.	The population of the surrounding area has continued to expand.
1970 1:2,500	The site remains unchanged.	The surrounding area remains relatively unchanged.
1973 / 1975 1:1,250 / 1:25,000	The site remains unchanged.	An ELECTRICITY SUB-STATION is annotated directly opposite the site to the north. Approximately 60m north a number of TANKS are noted. Black Vale MILL 100m north is now noted as being an ELECTRIC CABLE WORKS .
1978 / 1979 1:10,000	The site remains unchanged.	The population of the surrounding area has continued to expand. The MINERAL RAILWAY is now noted as being dismantled.

Table 2.1 : Site History		
Date/Scale	Features On-site	Features Off-site
1981 / 1986 1:1,250 1:10,000	The site remains unchanged.	The surrounding area remains relatively unchanged.
1999 1:10,000	The site remains unchanged.	The surrounding area remains relatively unchanged; approximately 900m southeast a PIPELINE is noted.
2014 1:10,000	The site is unchanged.	The surrounding area remains relatively unchanged.

2.8 Previous Investigations / Reports

A previous intrusive Japanese Knotweed Survey has been undertaken by Nimrod Environmental on 8th July 2013 on behalf of Manchester City Council. The findings of the report can be found in *Appendix E*.

We are not aware of any previous investigations taking place on site.

2.9 Regulatory Authority Information

2.9.1 Local Authority Planning Department

It is understood that an outline planning application to redevelop the site for social housing has been submitted to the Local Authority. This application comprised the demolition and development of social housing.

2.10 Environmental Database

A commercial database search (provided by Landmark®) was obtained to provide further information regarding the site and the surroundings (*ref: 55193889_1_1*). Relevant information and records are summarised below:

2.10.1 Contaminated Land Entries

The database has 0 No. contaminated land entries within 2km of the site.

2.10.2 Environmental Permitted Activities

According to the database there are no former or current Part A(1) or Part A(2) environmental permits associated with the site. There are however 5 recorded within a 1km search radius, with the closest being 46m northeast of the site relating to Metal and Plastic coating.

2.10.3 Hazardous Substances Sites

According to the database, there are no COMAH-registered sites, Planning Hazardous Substances Consents or NIHHS sites within 1km of the site.

2.10.4 Substantiated Pollution Incident Register

According to the database, there have been no substantiated pollution incidents within 2km of the site.

2.10.5 Landfill Sites

According to the Envirocheck[®] Report there are no BGS Recorded Landfill Sites within 2km of the site. There is however a number of Historic Landfill Sites within 2km of the site. The closest of which is noted as 371m northeast of the site.

2.10.6 Waste Management Facilities

The database has no facilities within a 2km radius of the site, relating to – registered waste management/waste treatment/waste disposal/transfer stations etc.

2.10.7 Radioactive Materials

According to the Envirocheck[®] Report there are eight authorisations for radioactive substances in the surrounding area.

2.10.8 Fuel Stations

According to the database there are two fuel station entries within 1 km of the site. The closest is recorded 626m southeast of the site and is obsolete. The closest active fuel station is 922m east of the site.

2.10.9 Contemporary Trade Directories

According to the database there are eight entries located within 250m of the site. The closest is recorded 40m northwest of the site and relates to domestic cleaning services.

2.10.10 Underground Pipelines and Transmission Assets

A search of the Linesearch database was undertaken on 23rd July 2014. This database lists pipelines owned and/or operated by over 40 pipeline and transmission operators, but not all operators are registered.

According to the database, there are underground pipelines or transmission assets on the site or within a 500m search radius. See *Appendix F*.

2.11 Historical Contamination Potential

2.11.1 Site

The earliest available historical map indicated that the site was located in a largely rural area and comprised fields and occasional trees, with two small buildings in the southern section of the site. The site has remained undeveloped, with the buildings annotated now no longer present. Japanese Knotweed has been found in a number of areas of the site. A report by Nimrod Environmental on 8th July 2013, commissioned by Manchester City Council can be found in *Appendix E*. No significant sources of environmental concern were identified. The presences of heating sources such as boilers are likely to have been present in the buildings.

The potential for significant contamination to have arisen at the site as a result of the current and former usage on site is considered to be low. Potential contaminants associated with such activities may comprise a wide range of metals, fuels, oils, and asbestos.

2.11.2 Surrounding Area

The surrounding area was largely agricultural with later development of residential and industrial properties. Hospitals and chemical works, electric cable works, mills and an infilled reservoir were noted in the surrounding areas. No significant potentially contaminative activities were identified as having taken place in the immediate surrounding area.

The above activities represent potential off-site sources of contamination that (if present) could potentially migrate beneath the site; however, this would be largely governed by the underlying geological and hydrogeological conditions, which is discussed in *Section 3*.

3 Environmental Setting

3.1 Introduction

Desk-based research of the local geology, hydrogeology, hydrology and ecology was carried out in order to establish the potential for migration of contamination onto or away from the site, and to assess the surface water and groundwater sensitivity of the surrounding area. Information was obtained from a number of sources, namely:

- inspection of the British Geological Survey (BGS) Geology of Britain Viewer²;
- examination of the EA's on-line aquifer classification³;
- inspection of the MAGIC interactive map service⁴;
- a review of online web-based information searches;
- review of previous site investigation reports pertaining to the site; and
- a review of publicly available information.

3.2 Geology

According to the BGS Geology of Britain Viewer and the relevant British Geological Survey (BGS) Solid and Drift Sheets 085, Manchester (2011) at a scale of 1:50,000 the following geological succession has been identified (*Appendix B*).

Table 3.1: Geology			
Strata	Description	Age	Rock Type
Superficial Geology	Till, Devensian	Devensian, Devensian	Diamicton
Solid Geology	Chester Pebble Beds Formation	Early Triassic – Early Triassic	Sandstone

A fault is shown to run directly through site from southeast to northwest. It is considered though that this will potentially affect the proposed site development and that appropriate measures be employed during the development stage. The superficial geology for the centre of the site is noted to be Devensian Till comprising Diamicton, to the north and northeast is Alluvium and to the south and southwestern extents are noted to be Glaciofluvial Sheet Deposits, Devensian.

² <http://www.bgs.ac.uk/discoveringGeology/geologyOfBritain/viewer.html>

³ <http://maps.Environment-agency.gov.uk/wiyby/wiybyController>

⁴ <http://magic.defra.gov.uk/>

The environmental database also presents an estimation of the rural background soil chemistry within the site area. Reference to the data presented suggests that the majority of metals concentrations are generally anticipated to be below current tier 1 assessment criteria in relation to human health effects, although the background for lead is noted to be between <150 – 300 mg/kg for the site itself.

Natural Ground Subsidence issues relating to the site are all classed as being no hazard to very low for the following; Shrink – Swell Clays, Landslides, Ground Dissolution of Soluble Rocks, Compressible Deposits, Collapsible Deposits and Running Sands.

There are four BGS Recorded Mineral sites within a 1km radius around the site. The closest is recorded as being at Blackley Sandpit some 220m north of the site for opencast for sand. All four are recorded as ceased.

3.3 Coal Mining

The site is located within an area affected by coal mining in the past thus a Coal Mining Report has been obtained from The Coal Authority. A brief summary is provided below. However the full report should be consulted in full, a copy of which is provided in *Appendix C*.

3.4 Radon

According to the Envirocheck® Report, the site is not within a lower probability radon affected area, as <1% of homes are above the action level. No radon protection measures are necessary in the construction of new dwellings or extensions.

3.5 Hydrogeology

The Bedrock is classified as a Principal Aquifer by the Environment Agency. These are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale. In most cases, principal aquifers are aquifers previously designated as major aquifer. The Superficial Deposits are classified as Unproductive Strata for the north of the site and a Secondary A Aquifer for the south extents by the Environment Agency. Unproductive Strata is classified as rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow. The Secondary A Aquifer is defined as permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

The aquifer classification system was updated on 1st April 2010 which provided new aquifer designations to replace the old system of aquifer classifications, such as Major, Minor and Non-Aquifer. This new system is in line with the EA's Groundwater

Protection Policy (GP3) and the Water Framework Directive (WFD) and is based on British Geological Survey mapping.

The third-party database and EA website indicate that the site is not located within a Groundwater Source Protection Zone (SPZ).

Ten groundwater abstraction points are listed in the Envirocheck® Report, seven within 1000m and two are greater than 1500m from the site.

Details of the closest groundwater abstraction are as follows:

Table 3.2: Groundwater Abstractions				
Operator	Location	Type / Source	Details	Distance
Avecia LTD	Blackley, Manchester	Groundwater from borehole	Licence holders at Blackley	133m north

3.6 Hydrology

The nearest surface water feature is listed in the Envirocheck® Report as being 41m north.

There are seven recorded pollution incidents to controlled waters listed in the Envirocheck® Report; one within 500m and five between 501-1000m.

Details of the nearest pollution incidents recorded are noted below;

Table 3.3: Pollution Incidents						
Property	Location	Date	Pollutant	Reason	Incident Severity	Distance
Not Given	Greater Manchester	9 th February 1996	Unknown	Other incident/ unknown	Category 3 – Minor Incident	500m east

The nearest surface water abstraction is listed within the Envirocheck® Report at 1972m northwest of the site.

A river quality test was taken in 2000 at the River Irk. The GQA Grading is noted as River Quality E.

3.6.1 Flood Risk

According to the Envirocheck® Report the site is not within an area of extreme flooding from rivers or sea without defences. However, approximately 35m north of

the site is extent of extreme flooding from rivers or sea without defences as derived by fluvial models.

3.7 Sensitive Land Uses

3.7.1 Ecological Receptors

The Envirocheck database was queried to locate Sites of Special Scientific Interest (SSSI), Special Protection Areas (SPAs), Special Areas of Conservation (SACs), Ramsar Sites, National Nature Reserves, Areas of Outstanding Natural Beauty (AONB), National Parks and Local Nature Reserves within 1km of the site. The site is also located within a Nitrate Vulnerable Zone.

Two Local Nature Reserves are noted within 1km of the site:

Blackley Forest is located approximately 783m northwest of the site and Boggart Hole Clough some 872m east of the site.

3.8 Significance of Environmental Setting

The significance of the environmental setting is considered by Sutcliffe to be as follows:

- **Groundwater [MODERATE – HIGH SENSITIVITY]** – The site is situated in an area of moderate to high sensitivity with respect to groundwater resources due to the presence of a Principal Aquifer and Secondary A Aquifer beneath the site, however, this sensitivity is reduced by the absence of any abstractions (sensitive or otherwise) within the immediate vicinity of the site.
- **Surface Water [MODERATE SENSITIVITY]** – With respect to surface water resources, the site is considered to be located in a moderate sensitivity setting due to the presence of surface water approximately 41m of the site.
- **Flood Risk [LOW SENSITIVITY]** – The site is not located on a floodplain. However, a zone 2 (area of extreme flooding from fluvial rivers or sea without defences) is located 35m to the north of the site.
- **Sensitive Land Uses [LOW SENSITIVITY]** – With respect to sensitive land uses such as protected habitats, protected sites, protected buildings and sensitive receptors, the site is considered to be located in a low sensitive setting.

4 Preliminary Qualitative Risk Assessment

4.1 Introduction

Part 2A of the Environmental Protection Act 1990 ("Part 2A") provides the legislative framework for the contaminated land regime in England, Wales and Scotland. It provides for contaminated land to be identified and dealt with in a risk-based manner. The *Contaminated Land (England) Regulations 2006* (SI 2006/1380) set out provisions for procedural matters under Part 2A. The 2006 regulations have recently been modified with the introduction of *The Contaminated Land (England) (Amendment) Regulations 2012*, which came into force on 6th April 2012. This includes an amendment to Regulation 3(c) to take account of the updated definition of "controlled waters" in Section 78A(9) of the *Environmental Protection Act 1990*. Section 78A(2) of Part 2A of the EPA 1990 defines contaminated land as "land which appears to the local authority in whose area it is situated to be in such a condition, by reason of substances in, on or under the land, that:

- significant harm is being caused or there is a significant possibility of such harm being caused; or
- pollution of controlled waters is being, or is likely to be caused".

Contaminated Land Statutory Guidance published in April 2012 provides for a new four category test which is intended to clarify when land does or does not need to be remediated, where Category 1 is deemed as being high risk and Category 4 as being low risk.

4.2 Conceptual Site Model (CSM)

A conceptual model is an essential element of any site-specific environmental risk assessment. In this context, they are often simple representations of the hypothesised relationships between sources, pathways and receptors. For the purpose of this report, a basic conceptual model has been developed based on the principles of CLR11 and interpretation of information gathered during the Phase I review. Thus, this allows the identification of potential pollutant linkages and whether these linkages have the potential to comprise significant harm and/or pollution of controlled waters in relation to the site. Based on this interpretation, the implications for potential liability associated with soil or water contamination at the site can be evaluated.

- **SOURCES** – the identification of contaminants within the soils and groundwater that represent potential pollution sources;
- **PATHWAYS** – the identification of the potential exposure mechanisms and migration pathways from the potential sources; and

- **RECEPTORS** – the identification of the potential receptors that could be sensitive to harm if exposed to these pollution sources.

Collectively, each of these scenarios would be considered a potential pollutant linkage that may require further assessment.

A preliminary conceptual model is presented below (*Table 5.3*) in accordance with the guidance outlined within CLR11.

4.2.1 Identification of Potential Sources

Based on the information from the desk study, historical maps and published information, a summary of potential contaminant sources is provided in *Table 5.1*. These have been divided into sources resulting from current and historic uses both on and off-site.

Table 5.1: Potential Sources	
Potential Sources (Onsite)	Potential Contaminants
Former structures and potentially infilled ground.	Metals, asbestos, PAHs, Oils and fuels, ground gas
Potential Sources (Offsite)	
Chemical works, Electricity sub-stations, Railway lines, Hospital, Infilled reservoir, Refuse heaps, Numerous works and Mills.	Metals, asbestos, PAHs, Oils and fuels, ground gas

4.2.2 Potential Exposure Pathways

Exposure pathways are the potential routes and mechanisms by which potential on-site sources could be linked to the identified potential receptors and thereby expose them to potential harm. **Only plausible pathways need be considered.**

The following potential exposure pathways have been identified at the site:

- inhalation, dermal contact and ingestion of contaminated ground by current site users;
- inhalation, dermal contact and ingestion of contaminated ground by future ground workers;
- migration of gases and vapours through permeable horizons within the shallow ground conditions; and

- horizontal migration of contaminants (if present) via shallow groundwater flow to surface water bodies via through flow or via transmission along conduits, for example drains or the gravel pack surrounding a drain.

4.2.3 Potential Receptors

Based on the site's environmental setting and the proposed future end use of the area following redevelopment, the following potential receptors have been identified:

- groundwater that may be present within the underlying shallow superficial deposits and principal aquifer;
- surface water courses that are present within the surrounding area;
- humans (current and future residents);
- buildings and services;
- third-party land (*i.e.* the possibility of contamination migrating off-site onto third party land *via* contaminated groundwater, surface water run-off); and
- ground workers (*i.e.* construction workers, maintenance workers or other personnel who may be directly exposed to contaminated materials in the course of their activities).

If the site was redeveloped, any associated activities may bring site personnel and construction workers into contact with potentially contaminative materials, however, it is considered that the risks to workers will be short term and could be controlled by safe working procedures.

4.2.4 Potential Pollutant Linkages

In order for there to be a plausible pollutant linkage there must be a source, receptor and pathway and a feasible linkage between them (a pollutant linkage). Consequently, even where a contaminant is identified, if there is no pathway for the contamination to reach a receptor, or no receptor then there can be no significant risk and remedial actions are not required. Central to this risk assessment process is the development of a 'conceptual model'. This is a descriptive and/or pictorial representation of the area of potential contamination, the surrounding environment and the processes acting on the contaminants by which they can move and come into contact with receptors (*e.g.* by leaching and migration into groundwater).

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, in order to assess risk both the likelihood and the consequences of an event must be taken into account. This report adopts the methodology for risk evaluation presented in CIRIA report C552 'Contaminated Land

Risk Assessment – A Guide to Good Practice', 2001. The method is qualitative and involves the classification of the following:

- the magnitude of the potential severity or consequence of the risk occurring;
- the magnitude of the likelihood or probability of the risk occurring; and
- once the likelihood of an event occurring and its severity have been classified, a risk category can be assigned using *Table 5.2*.

Table 5.2: Risk Assessment Matrix					
Consequence					
		Severe	Medium	Mild	Minor
Likelihood of Occurrence	High	Very High	High	Moderate	Moderate/Low
	Likely	High	Moderate	Moderate/Low	Low
	Low	Moderate	Moderate/Low	Low	Very Low
	Unlikely	Moderate/Low	Low	Very Low	Very Low

Sutcliffe has devised a conceptual model based on the information obtained to date through the desk-based study and future residential usage of the site. This is detailed in tabular format in *Table 5.3* and pictorially in *Figure 3*.

Table 5.3: Preliminary Conceptual Site Model						
Source	Receptor		Pathway	Pollutant Linkage	Consequence	Risk
Contaminated Soil	Humans	Current	Ingestion, Inhalation Direct Contact	Low likelihood	Medium	Moderate / Low
		Developing		Low likelihood	Likely	Moderate / Low
		Future		Unlikely	Mild	Very Low
	Building / Services		Dust Direct Contact	Low likelihood	Mild	Low
	Controlled waters	Groundwaters	Leaching Direct Contact	Low likelihood	Mild	Low
		Surface waters		Unlikely	Mild	Very Low
	Vegetation		Root Uptake / Direct Contact	Low likelihood	Mild	Low
	Adjacent land		Windblown dust	Low likelihood	Mild	Low
Soil Leachates	Humans	Current	Ingestion Direct contact	Low likelihood	Medium	Moderate / Low
		Developing		Low likelihood	Medium	Moderate / Low
		Future		Unlikely	Mild	Very Low
	Building / Services		Direct contact	Low likelihood	Mild	Low
	Controlled waters	Groundwaters	Leaching Direct contact	Low likelihood	Medium	Moderate / Low

Table 5.3: Preliminary Conceptual Site Model

Source	Receptor		Pathway	Pollutant Linkage	Consequence	Risk
		Surface waters		Unlikely	Mild	Very Low
	Vegetation		Root Uptake / Direct Contact	Low likelihood	Mild	Low
	Adjacent land		Direct contact	Low likelihood	Mild	Low
Soil Gas / Vapour	Humans	Current	Asphyxiation	Low likelihood	Severe	Moderate / Low
		Developing		Low likelihood	Severe	Moderate / Low
		Future		Unlikely	Mild	Very Low
	Building / Services		Accumulation of explosive gas	Low likelihood	Medium	Moderate
	Vegetation		Suffocation of roots	Low likelihood	Mild	Low
	Adjacent land		Accumulation of explosive gas	Low likelihood	Mild	Low

5 Conclusions and Recommendations

5.1 Introduction

Sutcliffe Investigations were instructed by Great Places, to provide a Phase I report. The purpose of the report is to generate preliminary environmental assessment data for submission with an outline planning application for redevelopment of the site.

This comprised a review of the Phase I desk study data, collection of environmental information, and a review of the previous intrusive investigations and reports undertaken on the site.

5.2 Environmental Risk Assessment Findings

The site is roughly rectangular in shape and is bordered by Cleveland Road north, Delaunays Road to the east and Parkhill Avenue to the west. The site currently consists of a number of open grassy spaces with mature trees and a number of Japanese Knotweed hotspots within the site. Where former buildings on site and relict structure it is possible that they could have infilled basements creating possible contamination risks. The development history of the site has not identified a significant source of environmental concern, and information contained within the environmental database has not highlighted any major concerns. The site is underlain by a Principal aquifer for the bedrock and Unproductive Strata for the superficial deposits. A fault is also noted as running directly through the site.

Offsite, chemical works to the east an infilled reservoir, former industrial activities and mills to the north.

Taking the above into account, it is considered that there is a low potential for significant contamination to be present, however it is considered that localised contamination with the potential for leaching of contaminants into controlled waters may be present. Consequently the environmental risk setting for the site is considered to be low.

5.3 Classification and Land Use Risk

The site is roughly rectangular in shape and is bordered by Cleveland Road north, Delaunays Road to the east and Parkhill Avenue to the east. The site currently consists of a number of an open grassy space with un-mature trees.

Historical maps indicate that off-site the surrounding land comprised fields, then latterly, an increase in the number of residential and industrial properties was noted with the associated amenities.

The desktop survey has not highlighted significant areas of concern, and Sutcliffe Investigations have classified these as follows:

- Class 1 Area: Potential for High levels of contamination and migration of contamination off the site;
- Class 2 Area: Potential for Medium levels of contamination and migration of contamination off site;
- Class 3 Area: Potential for Low levels of contamination and migration of contamination off site; and
- Class 4 Area: Potential for limited contamination.

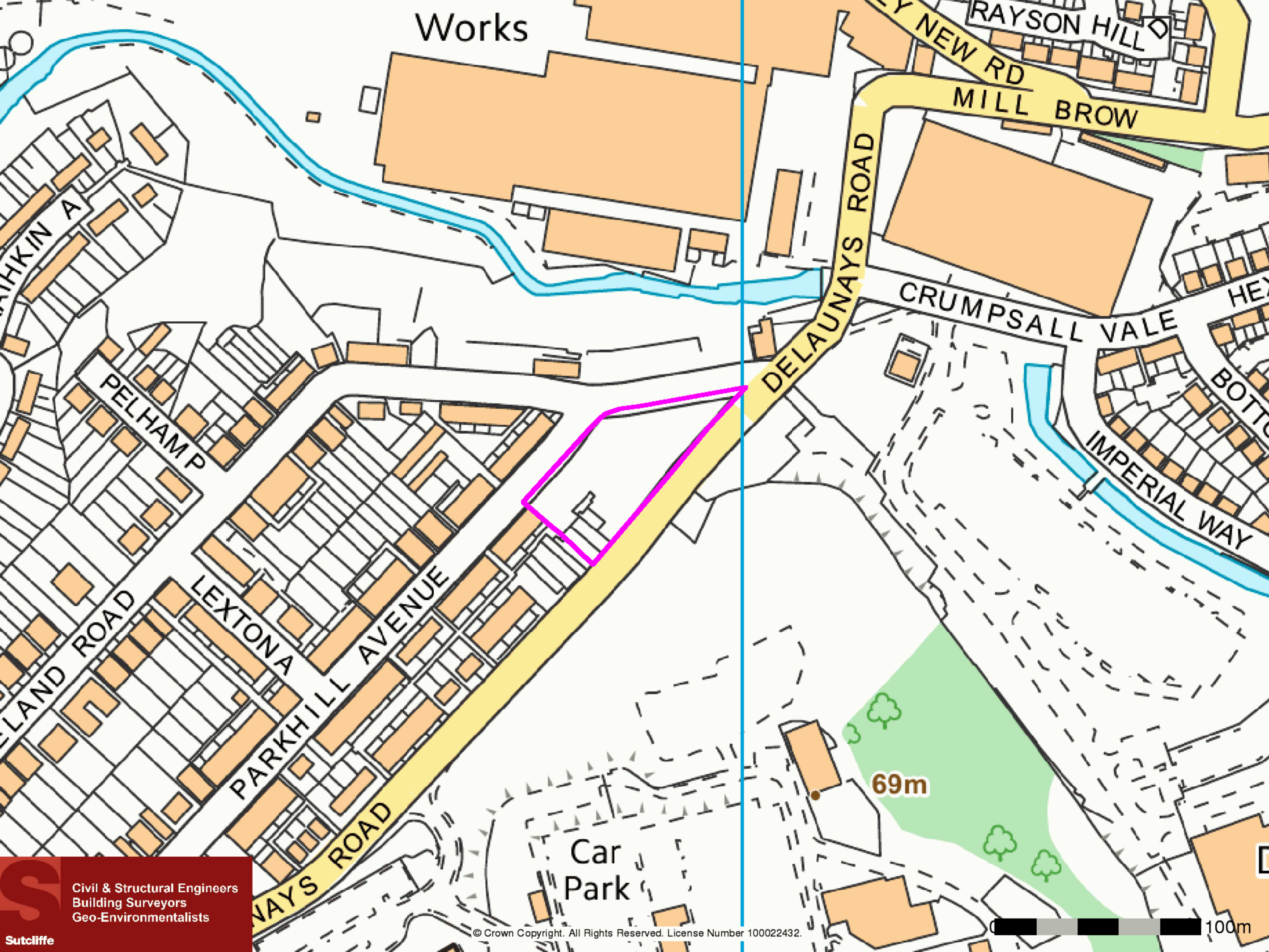
A small number of buildings have been identified as previously being present in the southern section of the site thus the site has been classified as low risk, with localised areas of potential concern. Overall the risk classification of the site is **Low**.

Low is classified as it is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.

5.4 Conclusions and Recommendations

Based on the findings of the Phase I review, Sutcliffe Investigations do not consider there to be significant environmental issues regarding the site. However, there is limited information of the ground for geotechnical properties and as such we would therefore recommend that a preliminary Phase II intrusive site investigation to be carried out to determine the status of contamination and to determine the geotechnical properties of the ground for foundation design.

Annex A: Figures



Works

RAYSON HILL

LY NEW RD

MILL BROW

DELAUNAYS ROAD

CRUMPSALL VALE

IMPERIAL WAY

PARKHILL AVENUE

LEXTON A

PELHAM P

LAND ROAD

Car Park

69m

100m

Annex B: Historical Maps and Environmental Database

Historical Mapping Legends

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

Quarry

Gravel Pit

Sand Pit

Clay Pit

Shingle

Refuse Heap

Sloping Masonry

Flat Rock

Marsh

Reeds

Oskers

Rough Pasture

Furze

Wood

Mixed Wood

Brushwood

Orchard

Fir

Ford

Stepping Stones

Ferry

Waterfall

Lock

Trig. Station

Altitude at Trig. Station

Bench Mark

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)

County Borough Boundary (Scotland)

Boundary Post or Stone

Bride Road

Electricity Pylon

Foot Bridge

Foot Path

Guide Post or Board

Mile Stone

Mooring Post or Ring

Police Call Box

Pump

Signal Post

Stake

Spring

Telephone Call Box

Trough

Well

Inactive Quarry, Chalk Pit or Clay Pit

Active Quarry, Chalk Pit or Clay Pit

Rock

Boulders

Cliff

Slopes

Roofed Building

Glazed Roof Building

Sloping Masonry

Archway

Non-Coniferous Tree (surveyed)

Coniferous Tree (surveyed)

Non-Coniferous Trees (not surveyed)

Coniferous Trees (not surveyed)

Orchard Tree

Scrub

Bracken

Copse, 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 meeting changes

Beer House

Boundary Post or Stone

Capstan, Crane

Chimney

Chimney

Drinking Fountain

Electricity Pylon or Post

Fire Alarm Pillar

Foot Bridge

Guide Post

Hydrant or Hydraulic

Level Crossing

Manhole

Mile Post or Mooring Post

Mile Stone

Normal Tidal Limit

Pillar, Pole or Post

Post Office

Public Convenience

Public House

Pump

Signal Box or Bridge

Signal Post or Light

Spring

Tank or Truck

Telephone Call Box

Telephone Call Post

Trough

Water Point, Water Tap

Well

Wind Pump

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

Inactive Quarry, Chalk Pit or Clay Pit

Active Quarry, Chalk Pit or Clay Pit

Rock

Boulders

Cliff

Slopes

Roofed Building

Glazed Roof Building

Sloping Masonry

Archway

Non-Coniferous Tree (surveyed)

Coniferous Tree (surveyed)

Non-Coniferous Trees (not surveyed)

Coniferous Trees (not surveyed)

Orchard Tree

Scrub

Bracken

Copse, 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 meeting changes

Beer House

Boundary Post or Stone

Capstan, Crane

Chimney

Chimney

Drinking Fountain

Electricity Pylon or Post

Fire Alarm Pillar

Foot Bridge

Guide Post

Hydrant or Hydraulic

Level Crossing

Manhole

Mile Post or Mooring Post

Mile Stone

Normal Tidal Limit

Pillar, Pole or Post

Post Office

Public Convenience

Public House

Pump

Signal Box or Bridge

Signal Post or Light

Spring

Tank or Truck

Telephone Call Box

Telephone Call Post

Trough

Water Point, Water Tap

Well

Wind Pump

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

Cliff

Slopes

Top

Rock

Rock (scattered)

Boulders

Boulders (scattered)

Positioned Boulder

Scree

Non-Coniferous Tree (surveyed)

Coniferous Tree (surveyed)

Non-Coniferous Trees (not surveyed)

Coniferous Trees (not surveyed)

Orchard Tree

Scrub

Bracken

Copse, Osier

Reeds

Marsh, Saltings

Rough Grassland

Heath

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 meeting symbol (note: these always appear in opposed pairs or groups of three)

Barracks

Battery

Cemetery

Chimney

Clam

Damaged Railway

Electricity Generating Station

Electricity Pylon, Pole

Electricity Sub Station

Filter Bed

Fountain/Drinking/Fin.

Gas Valve Compound

Gas Governor

Guide Post

Manhole

Mile Post or Mile Stone

Pillar, Pole or Post

Post Office

Public Convenience

Pump

Pug Site

Pump Station

Pole of Mowling

Sewage Pumping Station

Signal Box or Bridge

Signal Post or Light

Spring

Tank or Truck

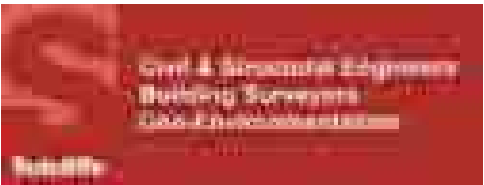
Trough

Wind Pump

Water Point, Water Tap

Works (building or area)

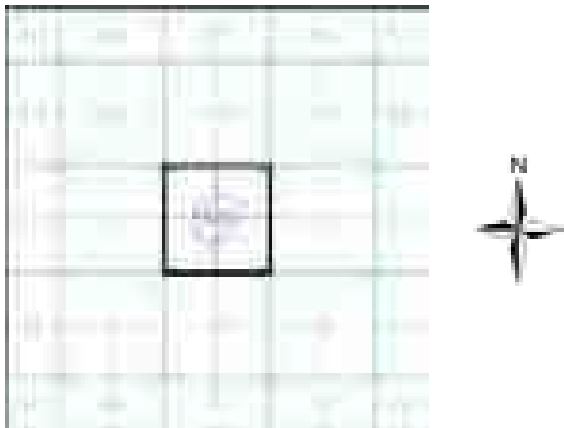
Well



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1909	2
Lancashire And Furness	1:2,500	1909	3
Lancashire And Furness	1:2,500	1922	4
Ordnance Survey Plan	1:1,250	1951 - 1952	5
Ordnance Survey Plan	1:2,500	1952 - 1953	6
Ordnance Survey Plan	1:1,250	1955 - 1989	7
Ordnance Survey Plan	1:2,500	1956 - 1970	8
Ordnance Survey Plan	1:1,250	1963 - 1964	9
Ordnance Survey Plan	1:2,500	1967	10
Additional SIMs	1:1,250	1980 - 1986	11
Large-Scale National Grid Data	1:1,250	1992	12
Large-Scale National Grid Data	1:1,250	1992 - 1993	13
Large-Scale National Grid Data	1:1,250	1994	14
Large-Scale National Grid Data	1:1,250	1996	15

Historical Map - Segment A13



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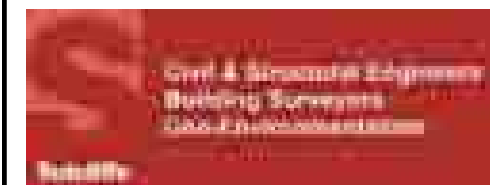
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Site Area (Ha): 0.38
Search Buffer (m): 100

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA



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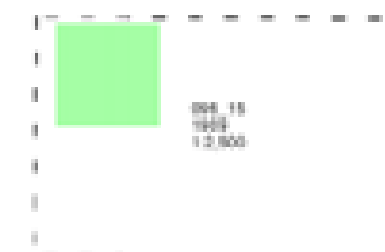
Lancashire And Furness

Published 1909

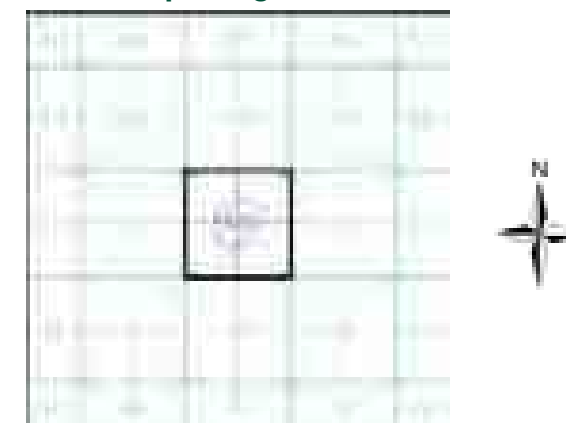
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Map Name(s) and Date(s)



Historical Map - Segment A13



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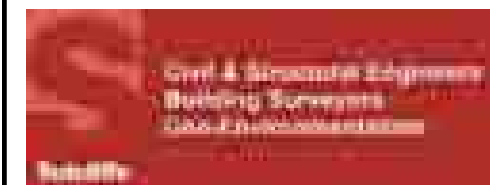
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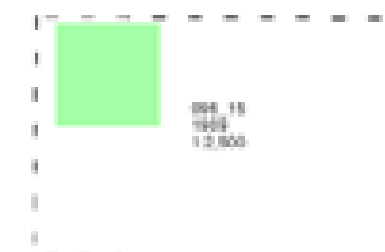
Lancashire And Furness

Published 1909

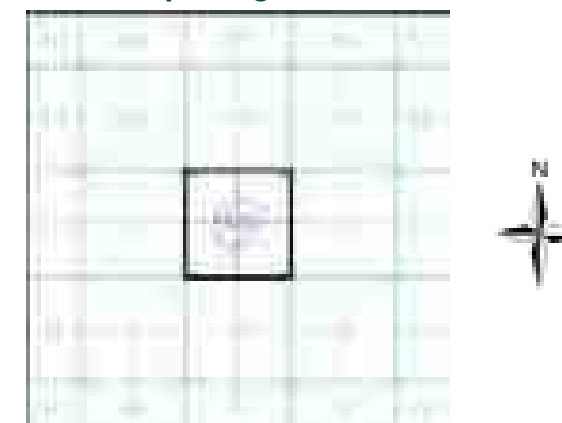
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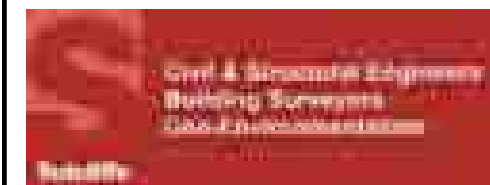
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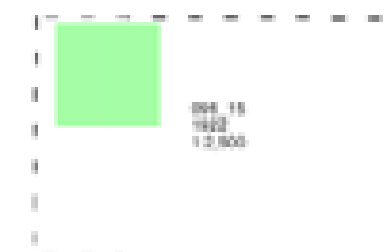
Lancashire And Furness

Published 1922

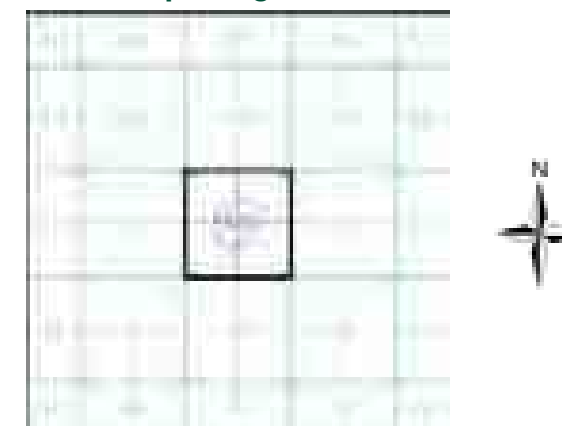
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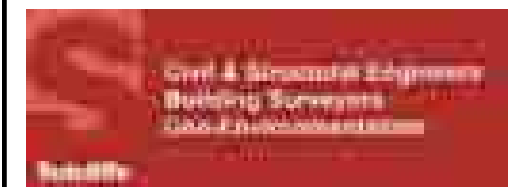
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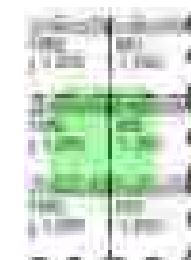
Ordnance Survey Plan

Published 1951 - 1952

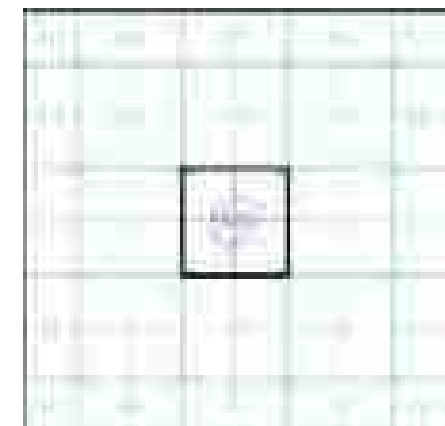
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Map Name(s) and Date(s)



Historical Map - Segment A13



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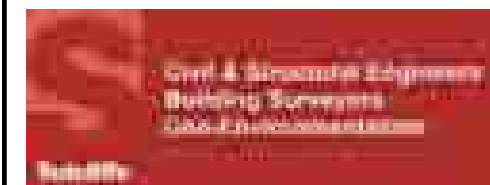
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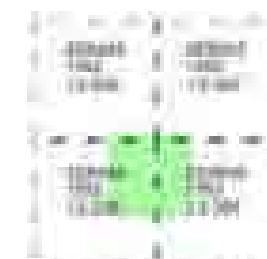
Ordnance Survey Plan

Published 1952 - 1953

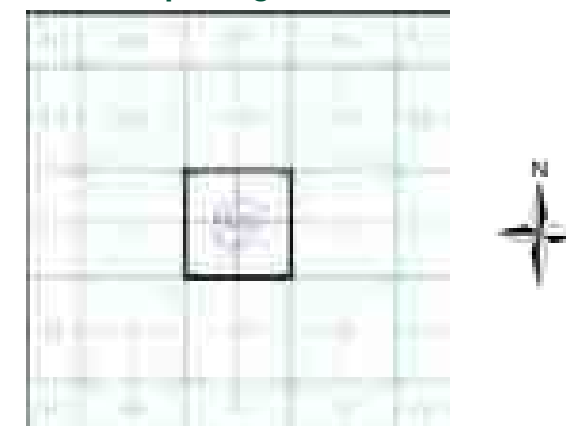
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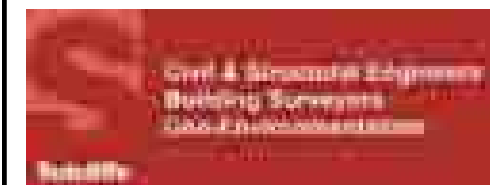
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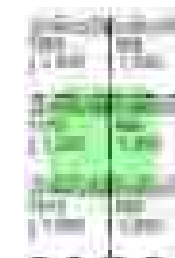
Ordnance Survey Plan

Published 1955 - 1989

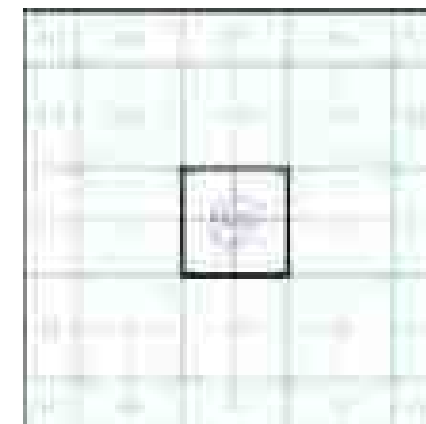
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

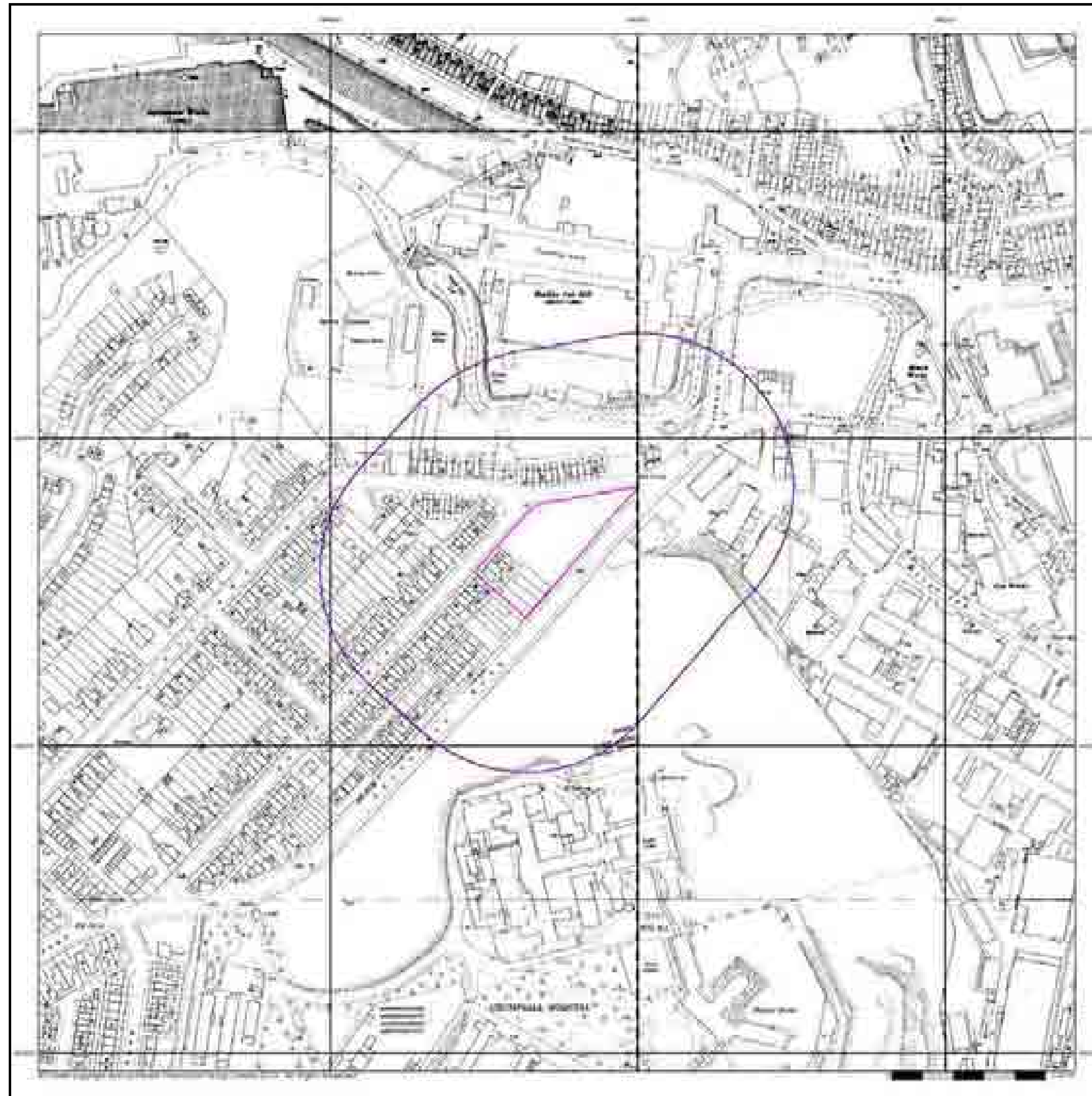
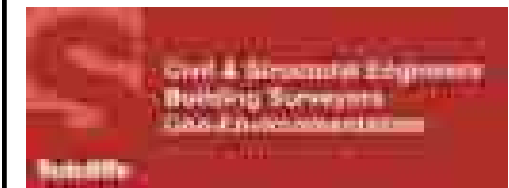
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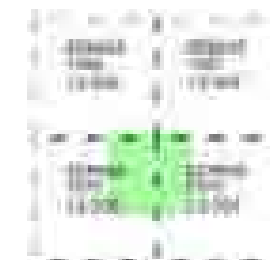
Ordnance Survey Plan

Published 1956 - 1970

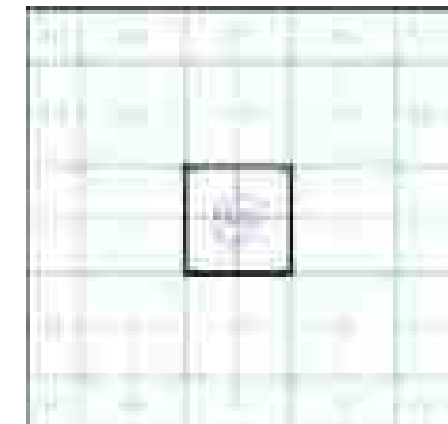
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

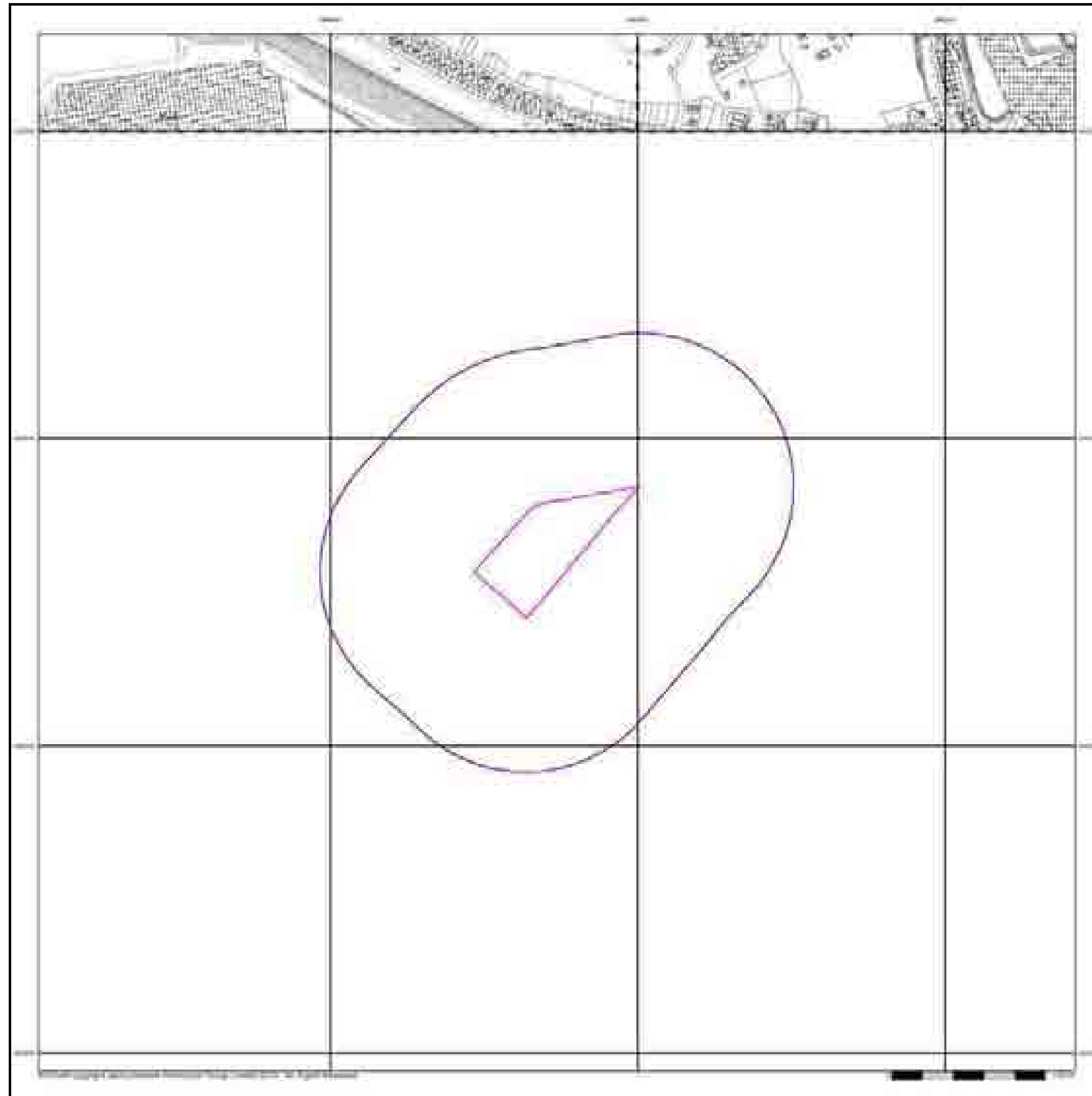
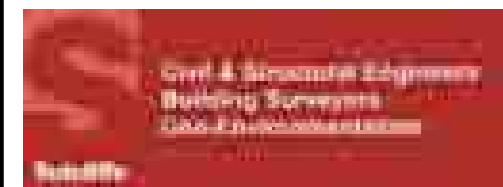
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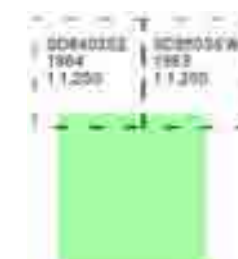
Ordnance Survey Plan

Published 1963 - 1964

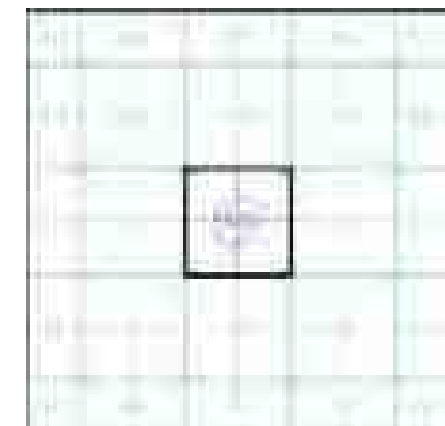
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

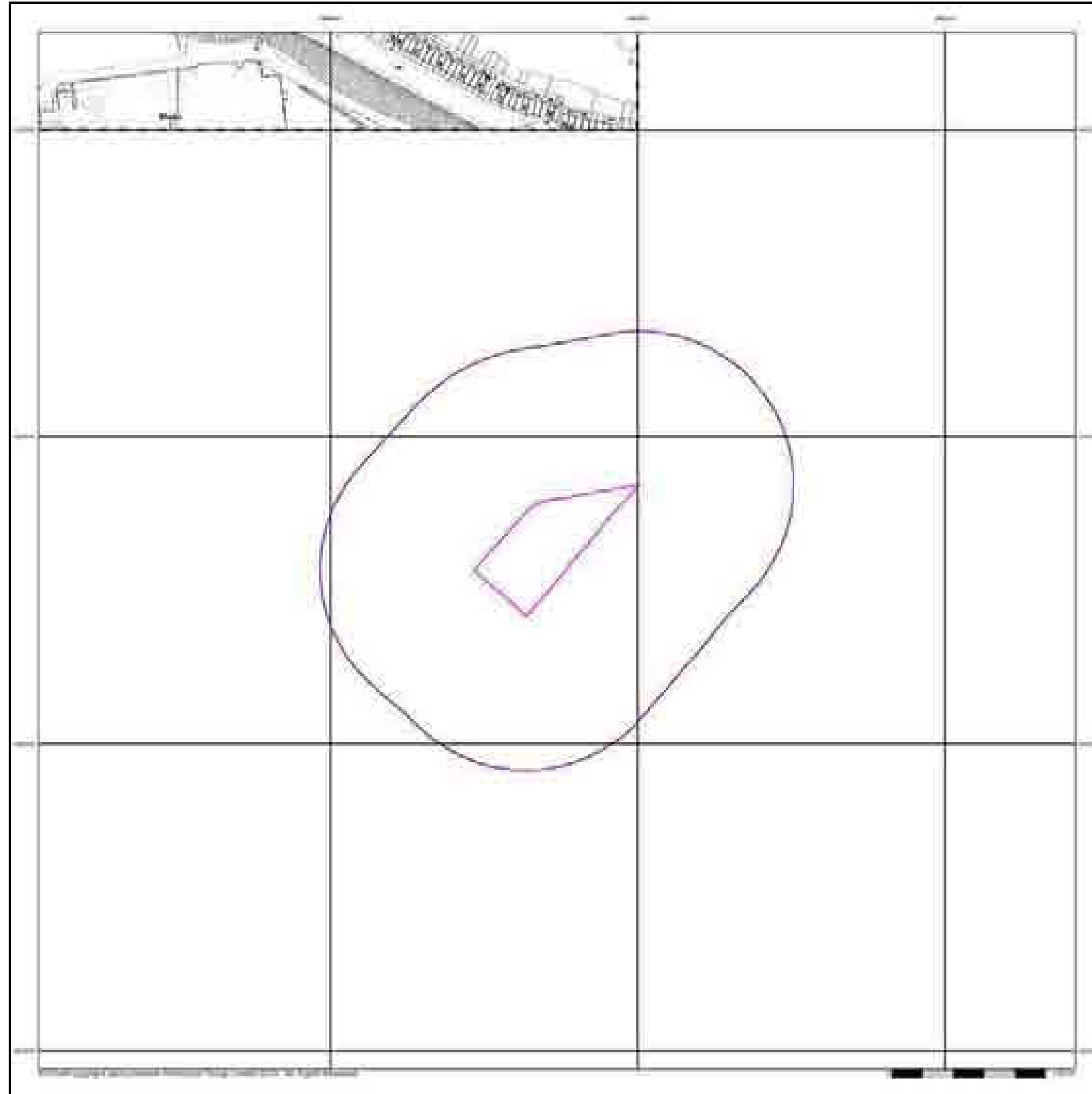
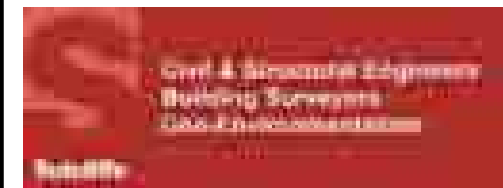
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Customer Ref: 26934LG
National Grid Reference: 384950, 402730
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Site Area (Ha): 0.38
Search Buffer (m): 100

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA



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Ordnance Survey Plan

Published 1967

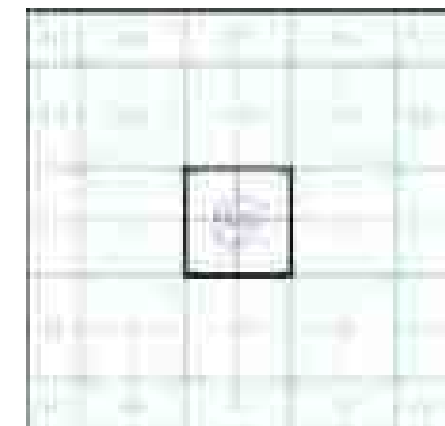
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

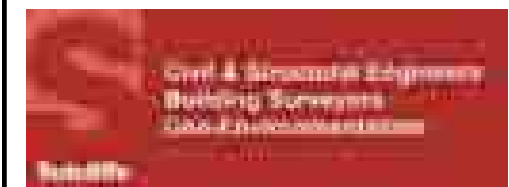
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Additional SIMs

Published 1980 - 1986

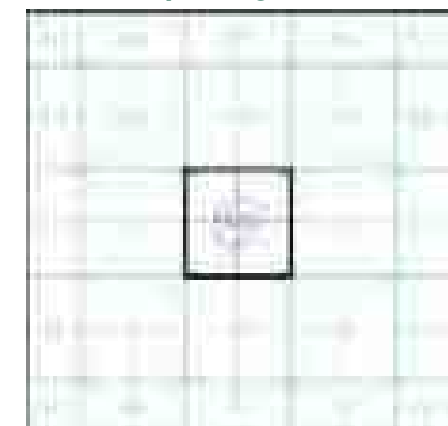
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

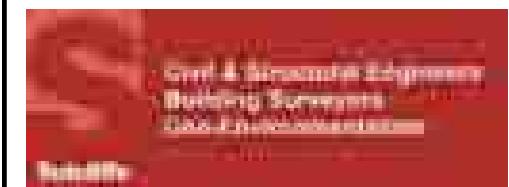
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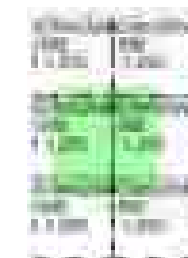
Large-Scale National Grid Data

Published 1992

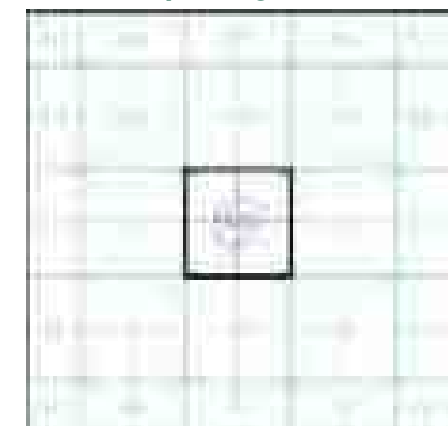
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

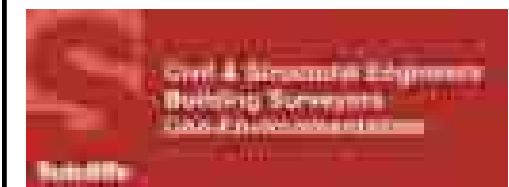
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Large-Scale National Grid Data

Published 1992 - 1993

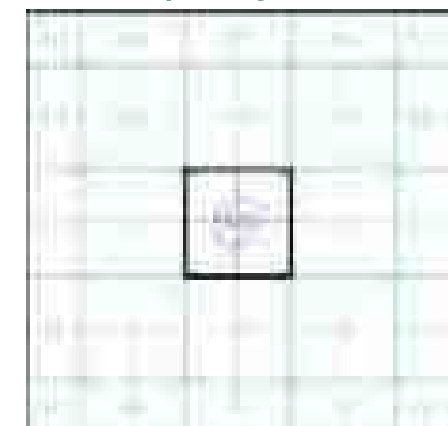
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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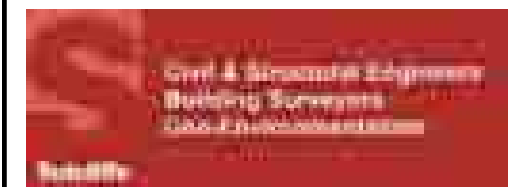
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Large-Scale National Grid Data

Published 1994

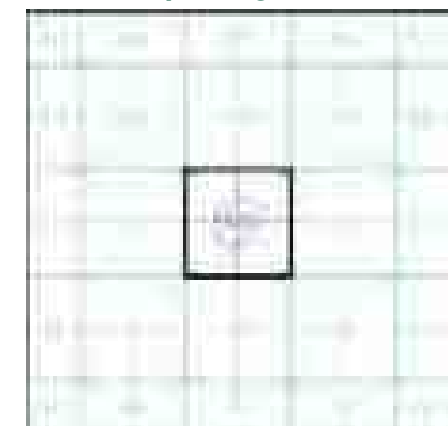
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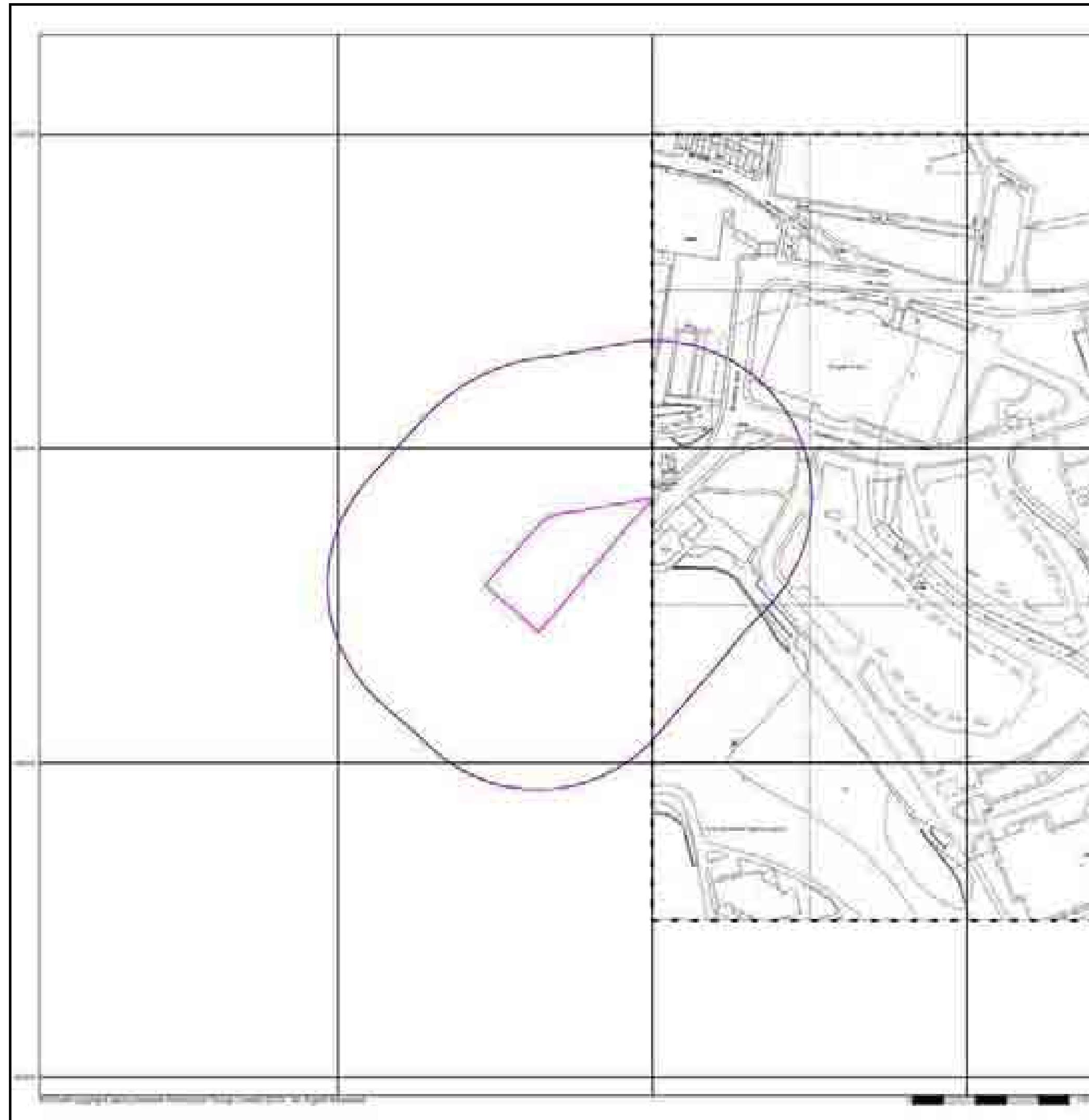
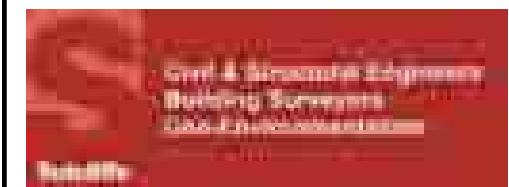
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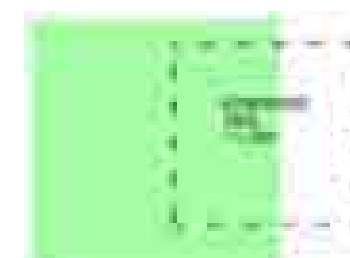
Large-Scale National Grid Data

Published 1996

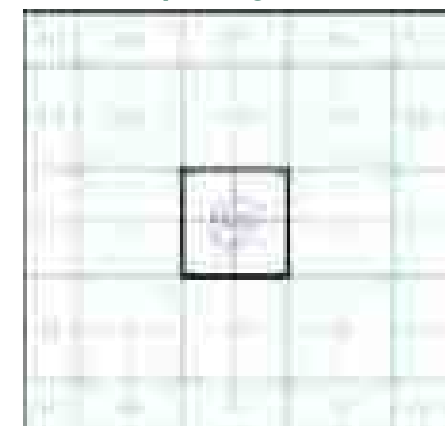
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit

Sand Pit

Other Pits

Quarry

Shingle

Orchard

Owens

Reeds

Marsh

Mixed Wood

Deciduous

Brushwood

Fir

Furze

Rough Pasture

Arrow denoting flow of water

Trigonometrical Station

Site of Antiquities

Bench Mark

Pump, Guide Post, Signal Post

Well, Spring, Boundary Post

Surface Level

Sketched Contour

Instrumental Contour

Main Roads

Minor Roads

Sunken Road

Raised Road

Road over Railway

Railway over River

Railway over Road

Level Crossing

Road over River or Canal

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

Church

Club House

Fire Engine Station

Foot Bridge

Fountain

Guide Post

Mile Post

Mile Stone

Boundary Pool or Stone

Post Office

Public Convenience

Public House

Signal Box

Spring

Telephone Call Box

Telephone Call Post

Well

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry

Gravel Pit

Sand Pit

Disused Pit or Quarry

Refuse or Slag Heap

Lakes, Loch or Pond

Dunes

Boulders

Coniferous Trees

Non-Coniferous Trees

Orchard

Scrub

Coppice

Bracken

Heath

Rough Grassland

Marsh

Reeds

Sittings

Building

Glasshouse

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, Borough or District Council

Borough, Borough or County Constituency

Civil Parish

Boundary Pool or Stone

Church

Club House

Fire Engine Station

Foot Bridge

Fountain

Guide Post

Mile Post

Mile Stone

Post Office

Public Convenience

Public House

Signal Box

Spring

Telephone Call Box

Telephone Call Post

Well

1:10,000 Raster Mapping

Gravel Pit

Refuse or slag heap

Road (landlocked)

Boulders (landlocked)

Shingle

Flut

Land

Long Pit

Marsh

Top of soil

General detail

Overhead detail

Underground detail

Railway gauge railway

Single track railway

County boundary (England only)

District, Urban Metropolitan (London Borough) boundary

Civil parish or community boundary

Conventual boundary

Area of wooded vegetation

Non-coniferous trees (landlocked)

Coniferous trees (landlocked)

Positioned tree

Orchard

Gorse or heath

Rough Grassland

Heath

Sand

Marsh, salt marsh or flood

Water feature

Flooded area

Shallow high water (spring)

Flooded area

Telephone line (others shown)

Electricity transmission line (with poles)

Telephone station

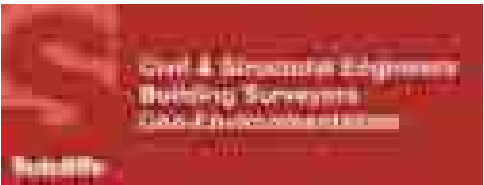
Pylon, flow stick or lighting tower

Site of antiquities

Glasshouse

General Building

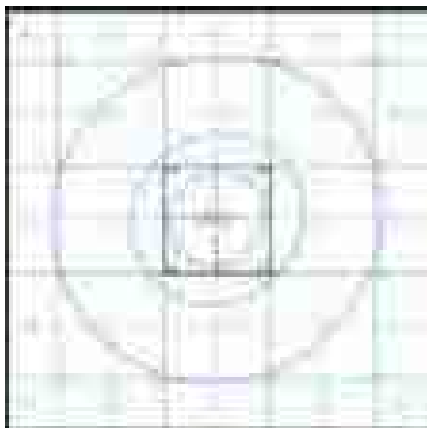
Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1909 - 1910	6
Lancashire And Furness	1:10,560	1923	7
Lancashire And Furness	1:10,560	1931 - 1933	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1956	10
Ordnance Survey Plan	1:10,000	1966 - 1968	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1978 - 1979	13
Ordnance Survey Plan	1:10,000	1982 - 1986	14
Ordnance Survey Plan	1:10,000	1990	15
10K Raster Mapping	1:10,000	1999	16
VectorMap Local	1:10,000	2014	17

Historical Map - Slice A



Order Details

Order Number: 55193889_1_1
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Russian Military Mapping Legends

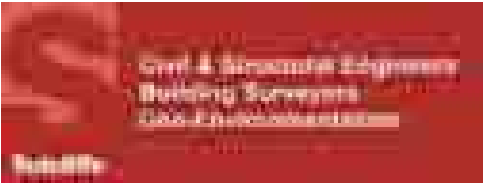
1:5,000 and 1:10,000 mapping

Legend for 1:5,000 and 1:10,000 mapping. Includes symbols for Government and Administrative Buildings, Military and Industrial Buildings, Military and Communication Areas, Railway Entrances, Proposed Building, Permanent Forest, Non-Proposed Building, Factory and Warehouse, Power Station, Radio Station, Airstrip, Oil Storage, Fuel Storage, and various terrain features like Lakes, Wet Ground, and Vegetation. Also includes a Russian Alphabet reference table.

1:25,000 mapping

Legend for 1:25,000 mapping. Includes symbols for Government and Administrative Buildings, Military and Industrial Buildings, Military and Communication Areas, Railway Entrances, Fully Completed Buildings, Built-Up Area with Proposed Buildings, Individual Proposed Building, Individual Existing Building, Factory, Gas Station, Oil Storage, Fuel Storage, and various terrain features like Lakes, Wet Ground, and Vegetation. Also includes a Russian Alphabet reference table.

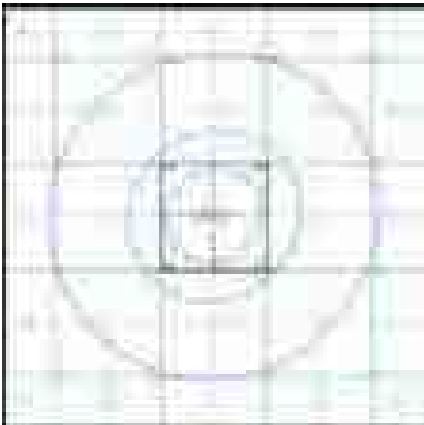
Key to Numbers on Mapping



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1848	3
Cheshire	1:10,560	1882	4
Lancashire And Furness	1:10,560	1894	5
Lancashire And Furness	1:10,560	1909 - 1910	6
Lancashire And Furness	1:10,560	1923	7
Lancashire And Furness	1:10,560	1931 - 1933	8
Lancashire And Furness	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1956	10
Ordnance Survey Plan	1:10,000	1966 - 1968	11
Manchester	1:25,000	1975	12
Ordnance Survey Plan	1:10,000	1978 - 1979	13
Ordnance Survey Plan	1:10,000	1982 - 1986	14
Ordnance Survey Plan	1:10,000	1990	15
10K Raster Mapping	1:10,000	1999	16
VectorMap Local	1:10,000	2014	17

Russian Map - Slice A



Order Details

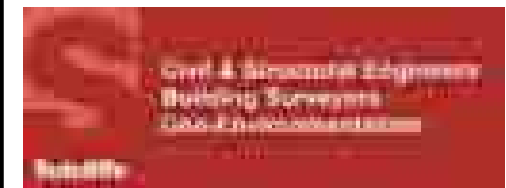
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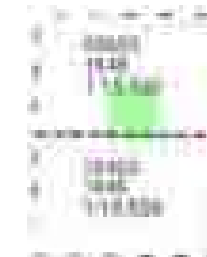
Lancashire And Furness

Published 1848

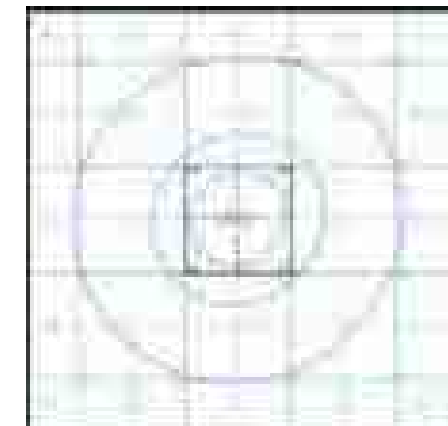
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



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Cheshire

Published 1882

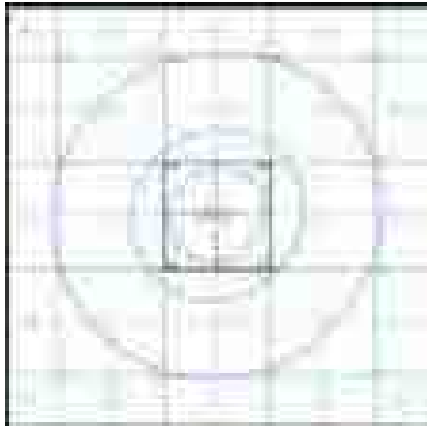
Source map scale - 1:10,560

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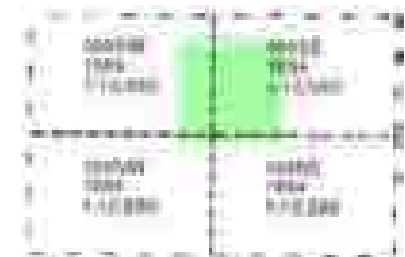
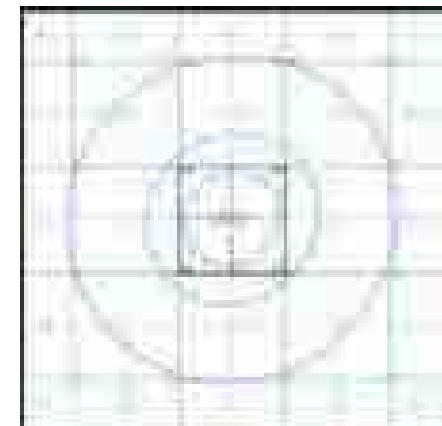
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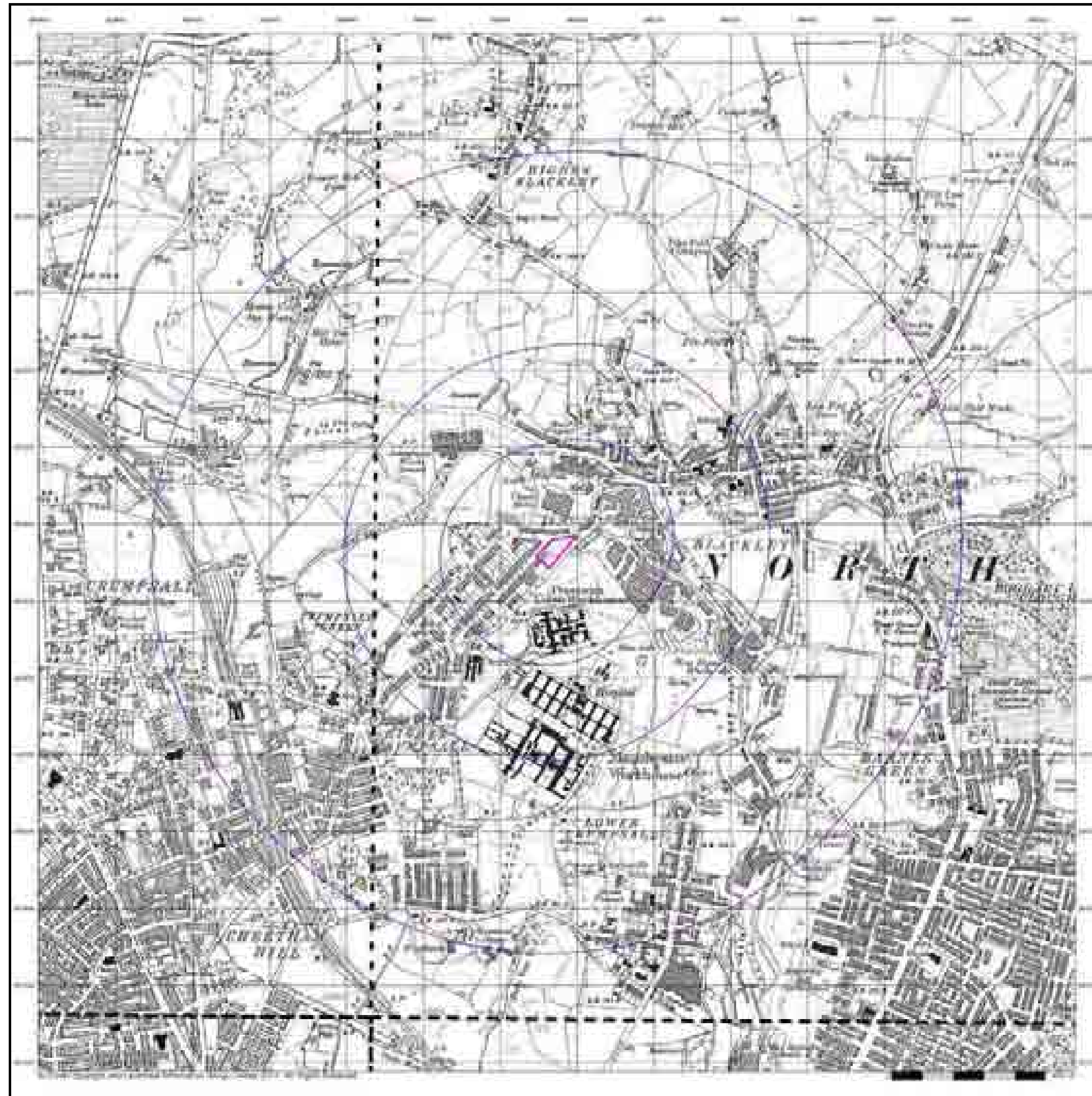
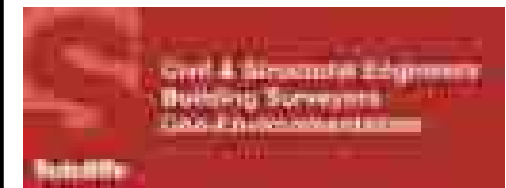


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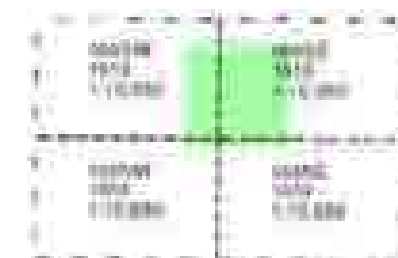
Lancashire And Furness

Published 1909 - 1910

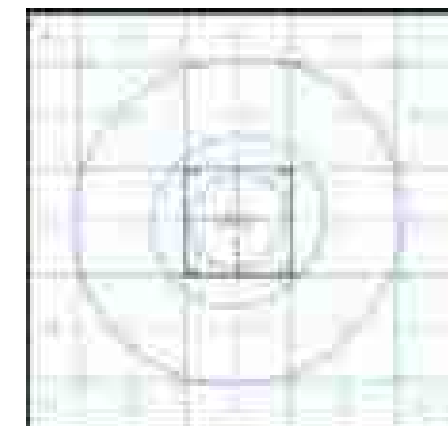
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

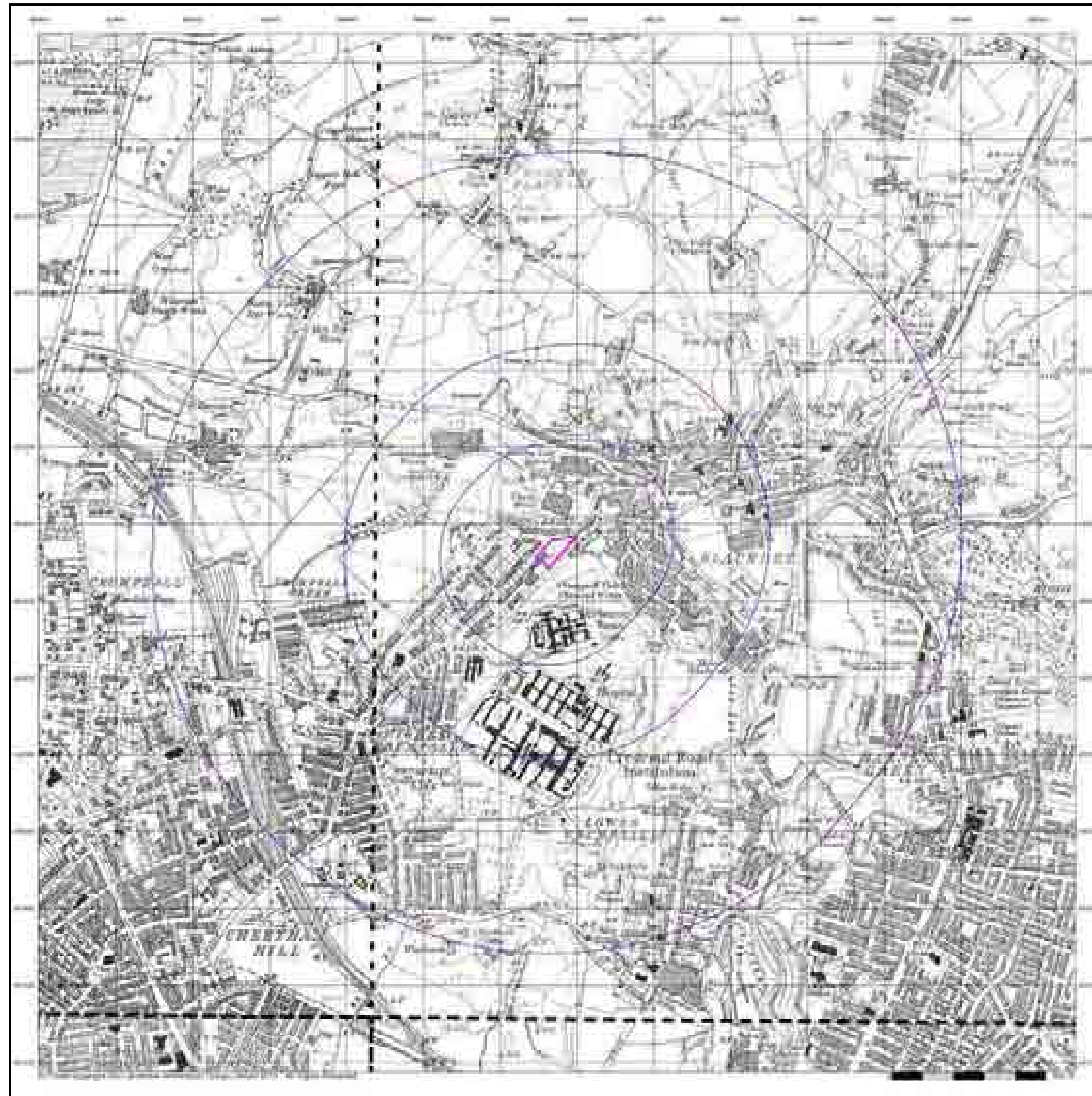
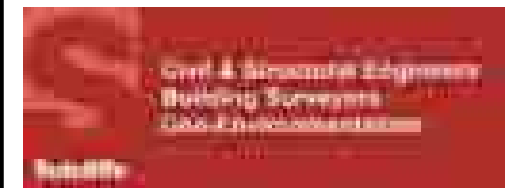
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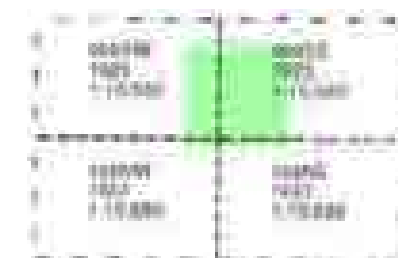
Lancashire And Furness

Published 1923

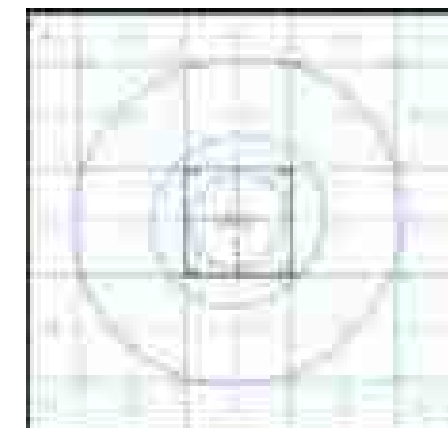
Source map scale - 1:10,560

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Historical Map - Slice A



Order Details

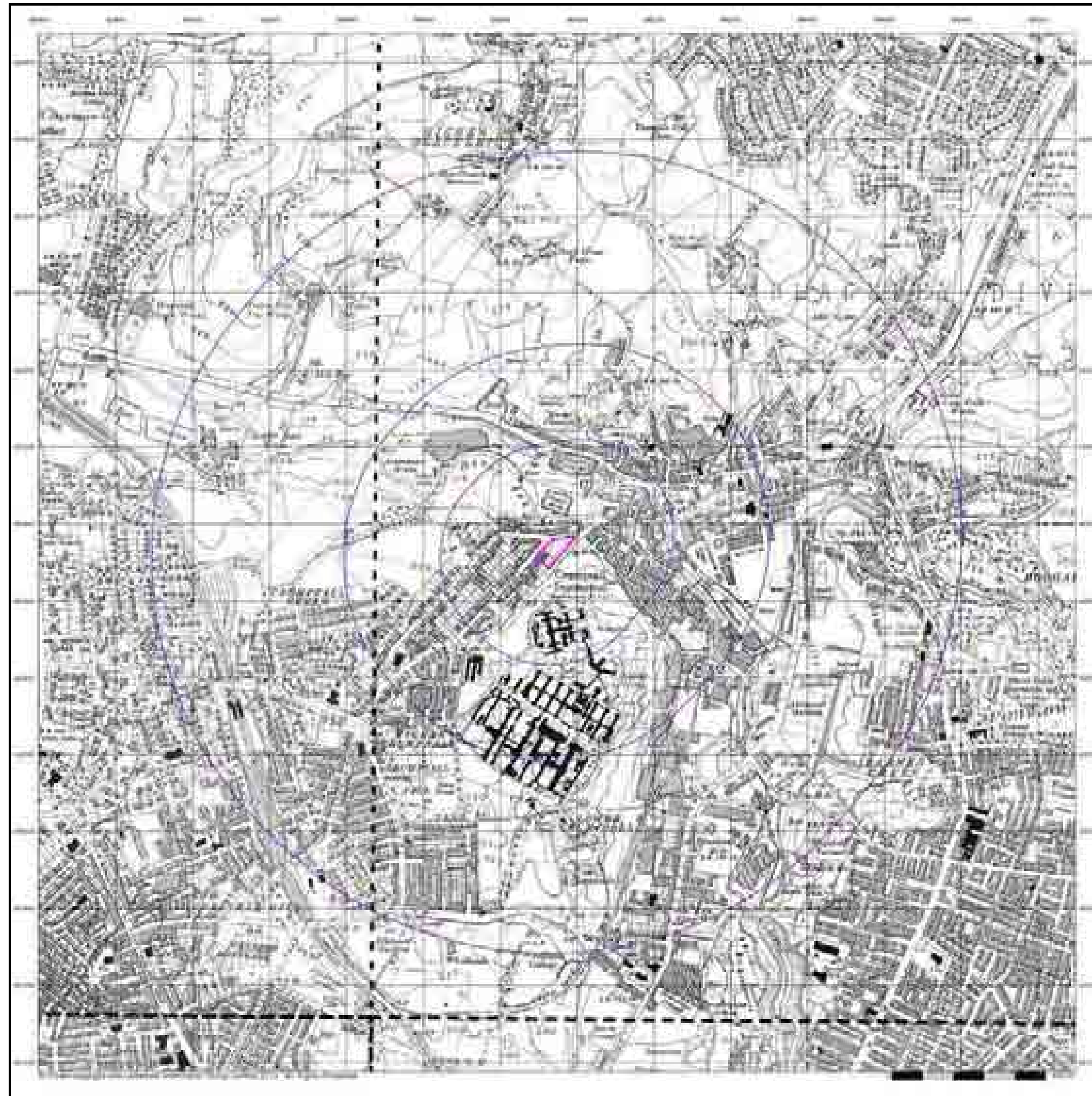
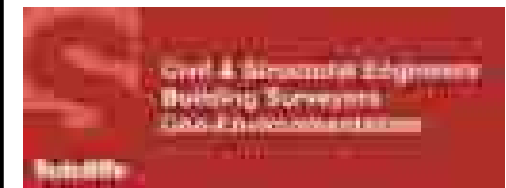
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Customer Ref: 26934LG
National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA



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



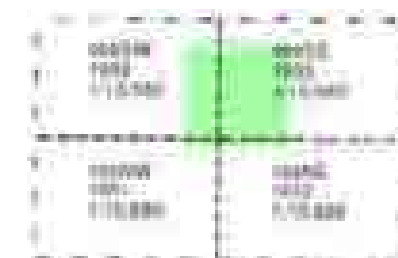
Lancashire And Furness

Published 1931 - 1933

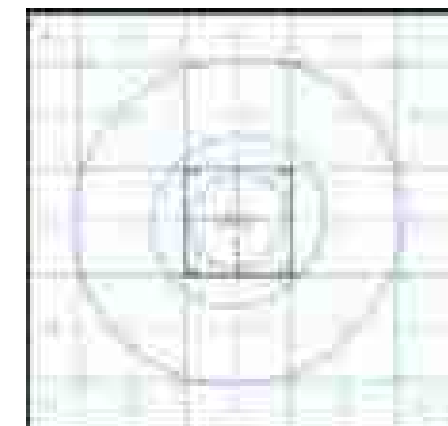
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

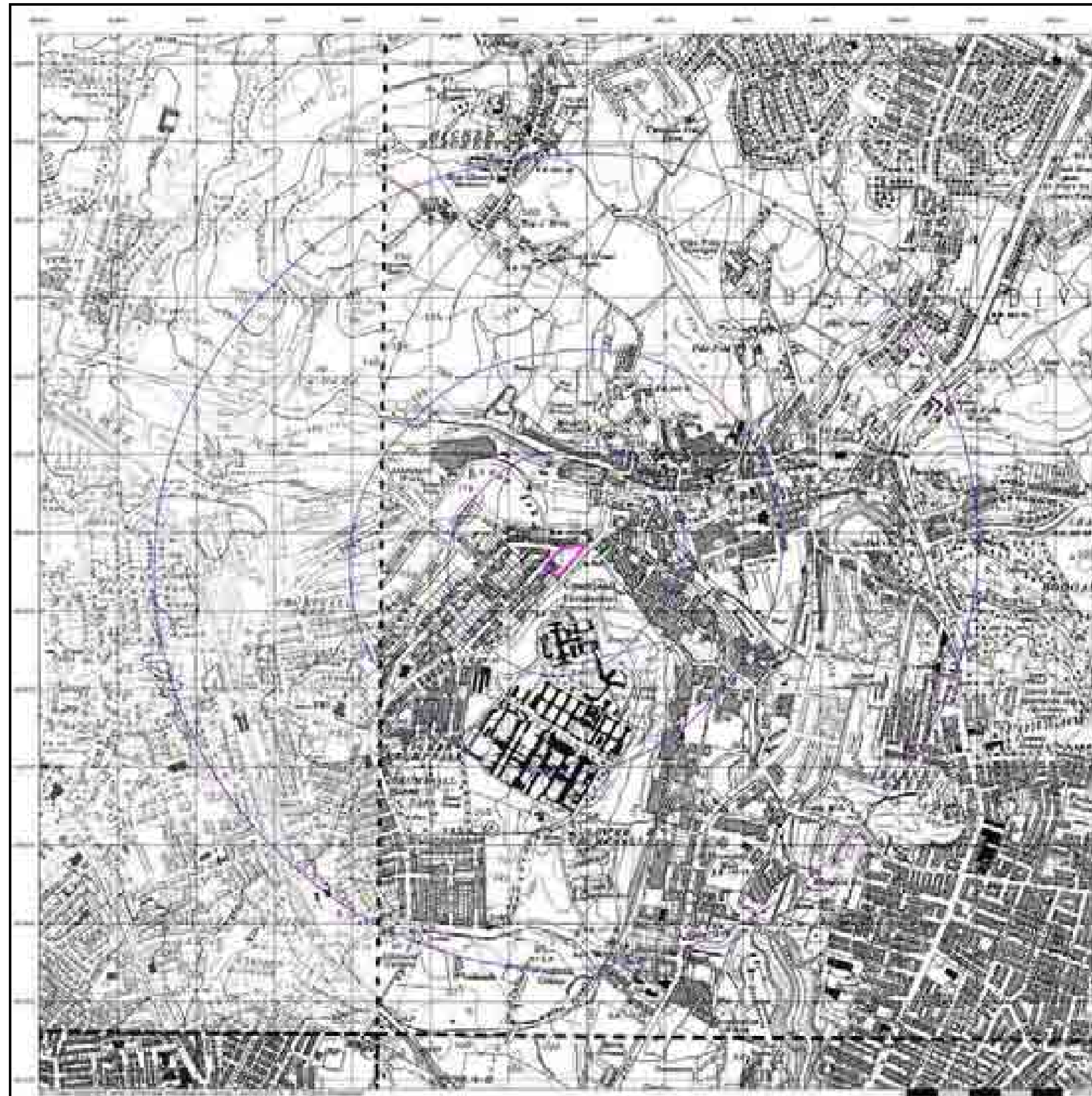
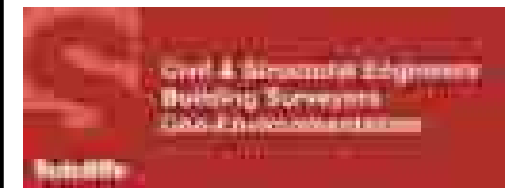
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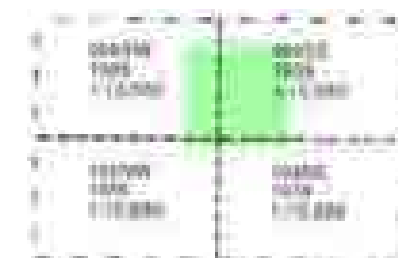
Lancashire And Furness

Published 1938

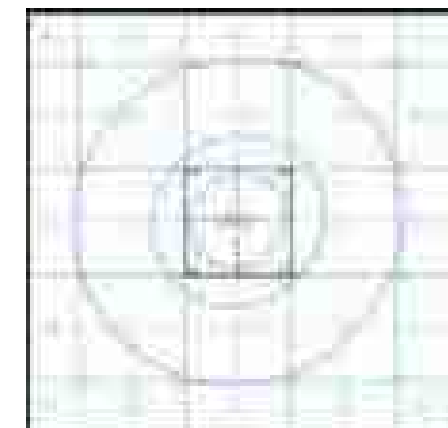
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

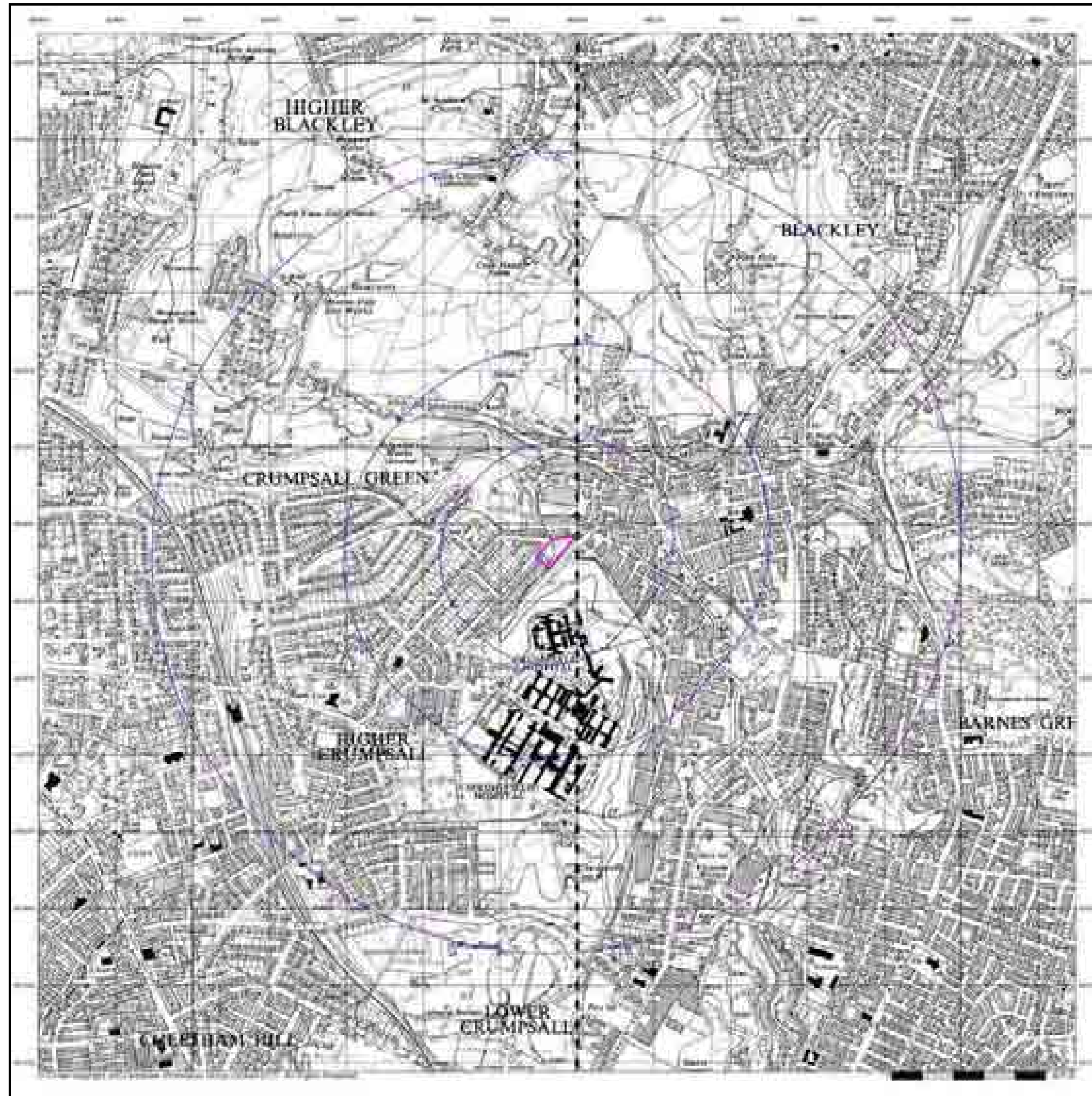
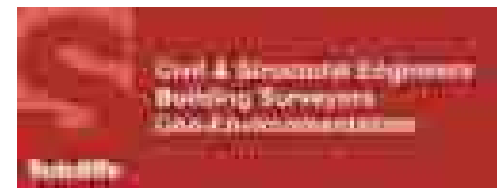
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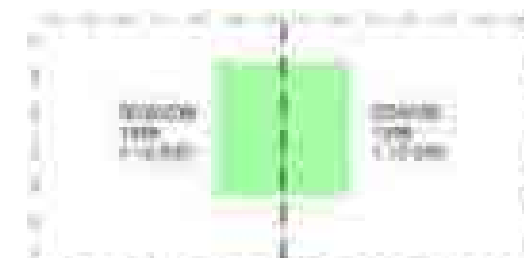
Ordnance Survey Plan

Published 1956

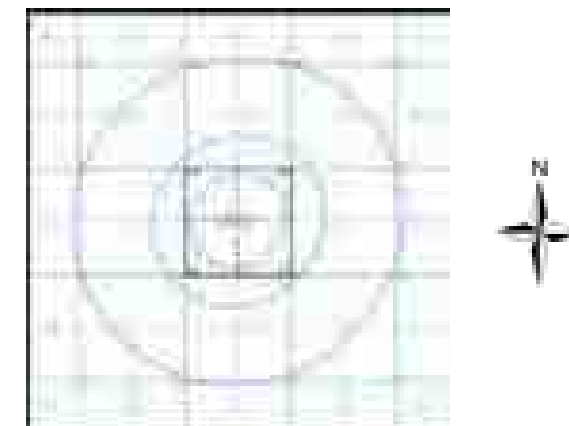
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

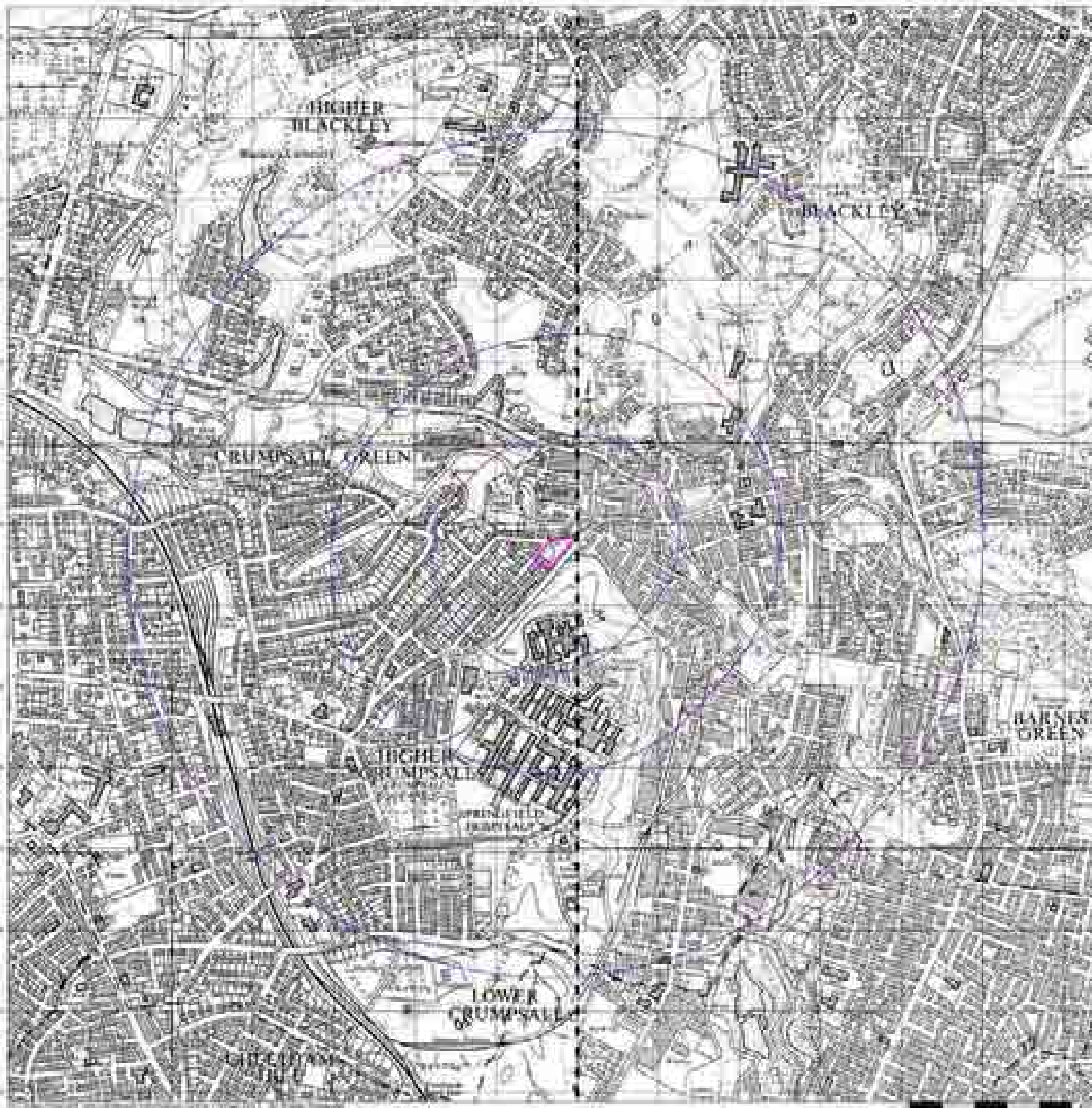
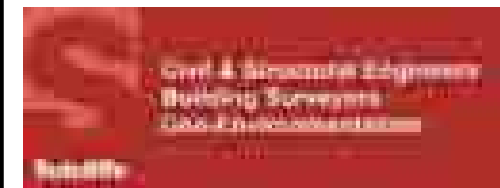
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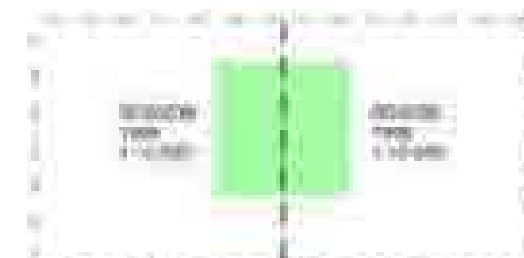
Ordnance Survey Plan

Published 1966 - 1968

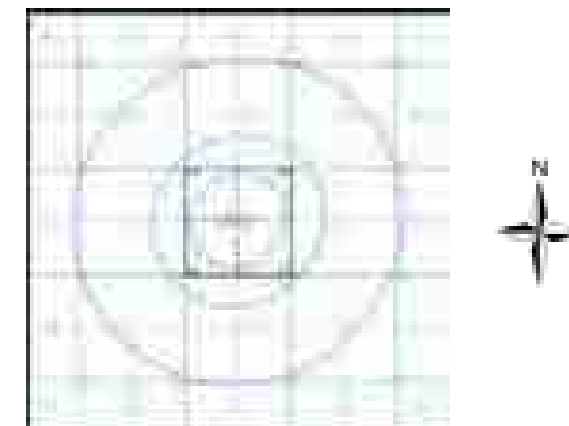
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

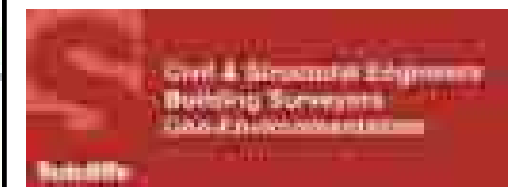
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Manchester

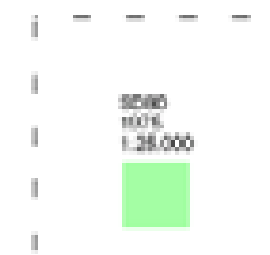
Published 1975

Source map scale - 1:25,000

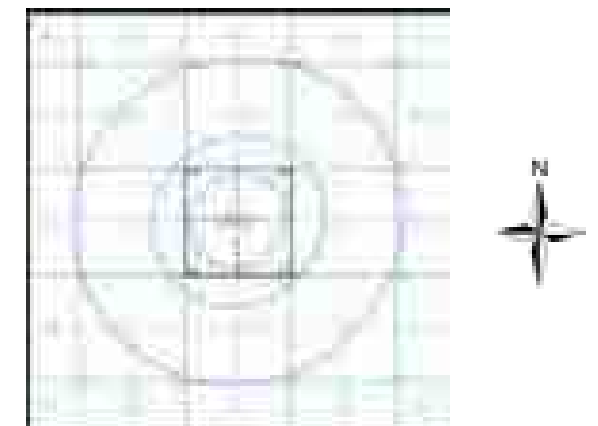
These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.

They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

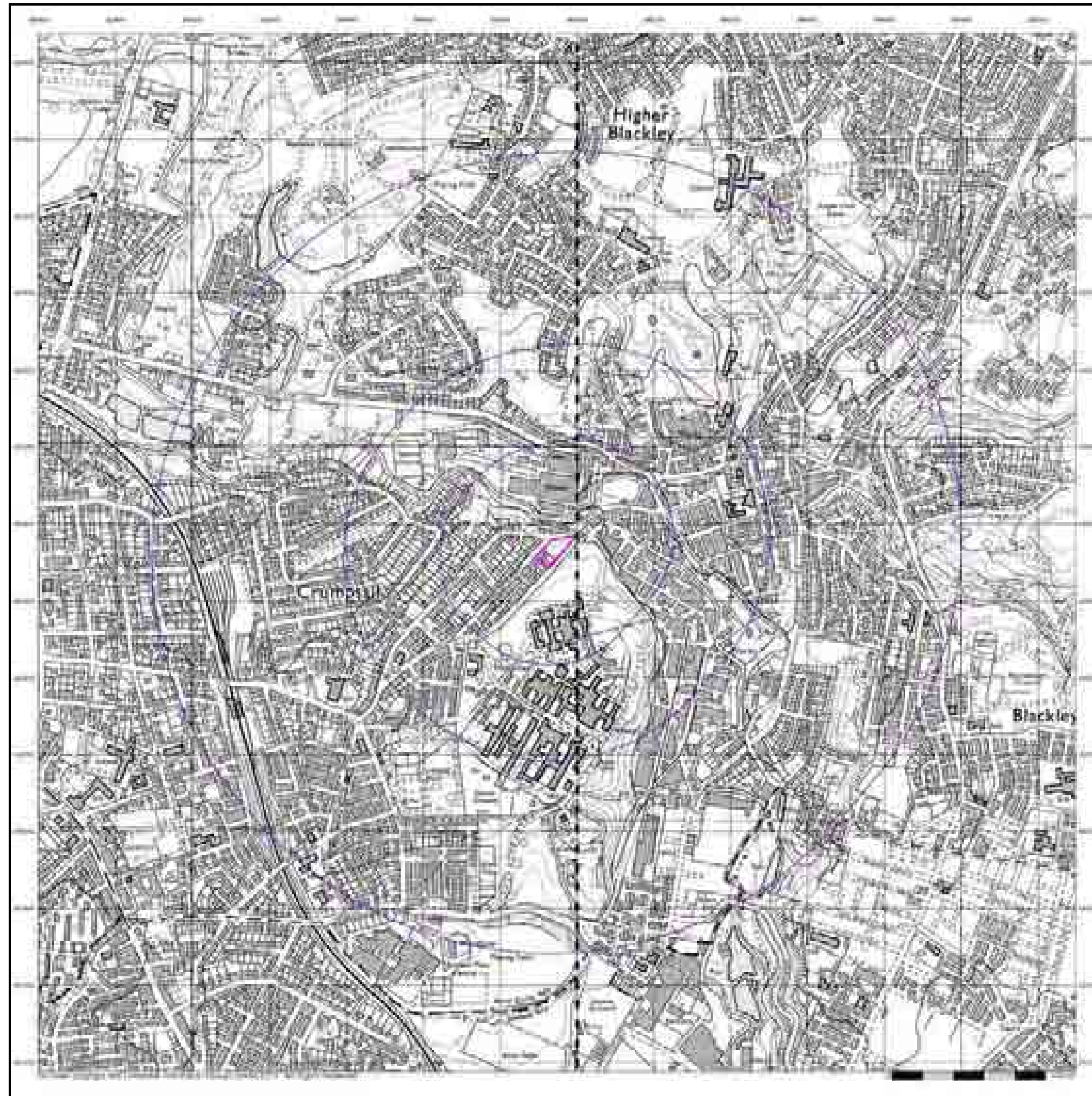
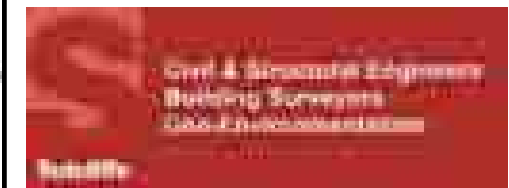
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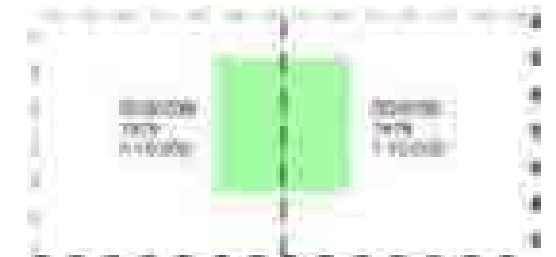
Ordnance Survey Plan

Published 1978 - 1979

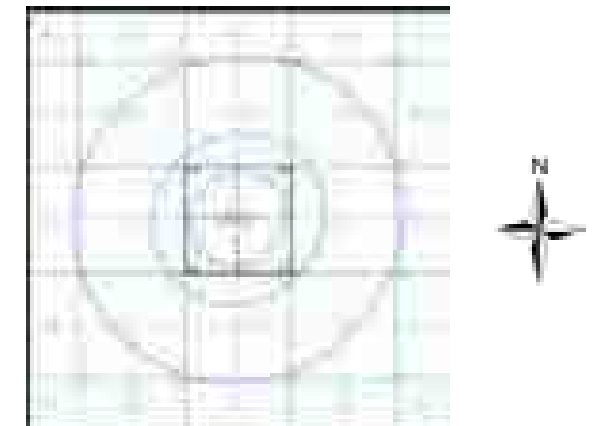
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

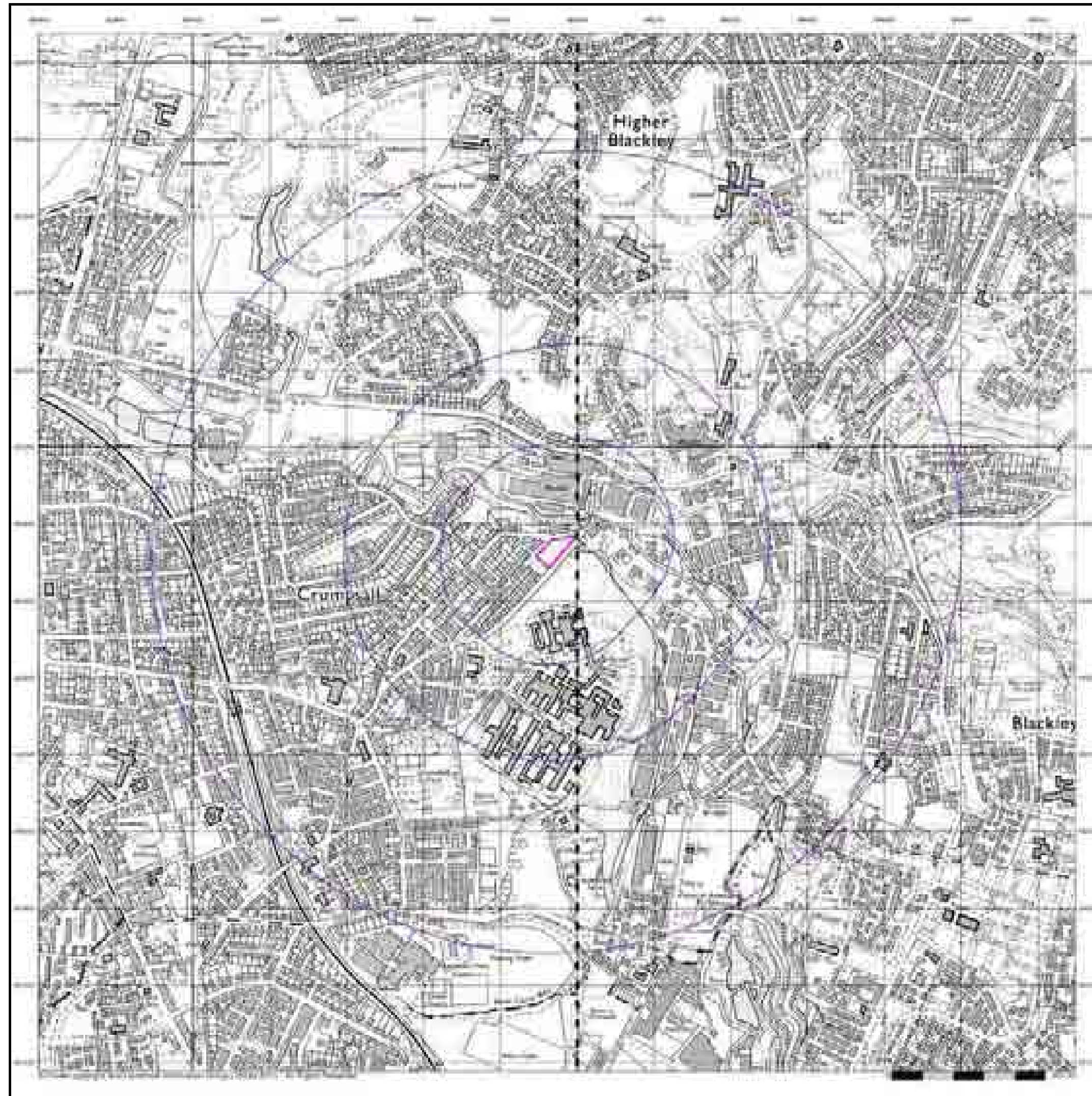
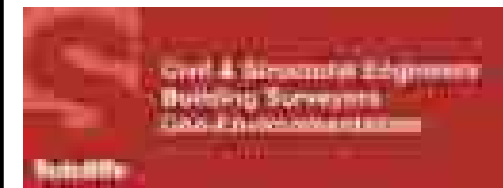
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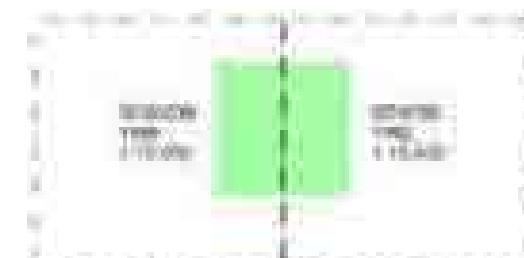
Ordnance Survey Plan

Published 1982 - 1986

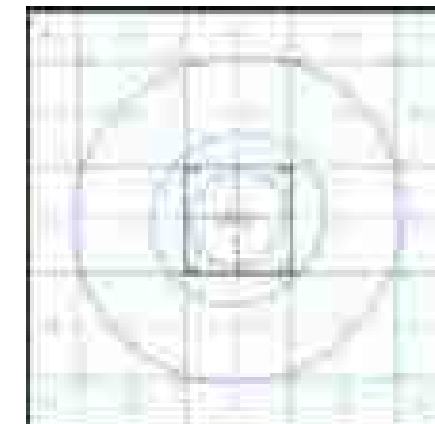
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Map Name(s) and Date(s)



Historical Map - Slice A



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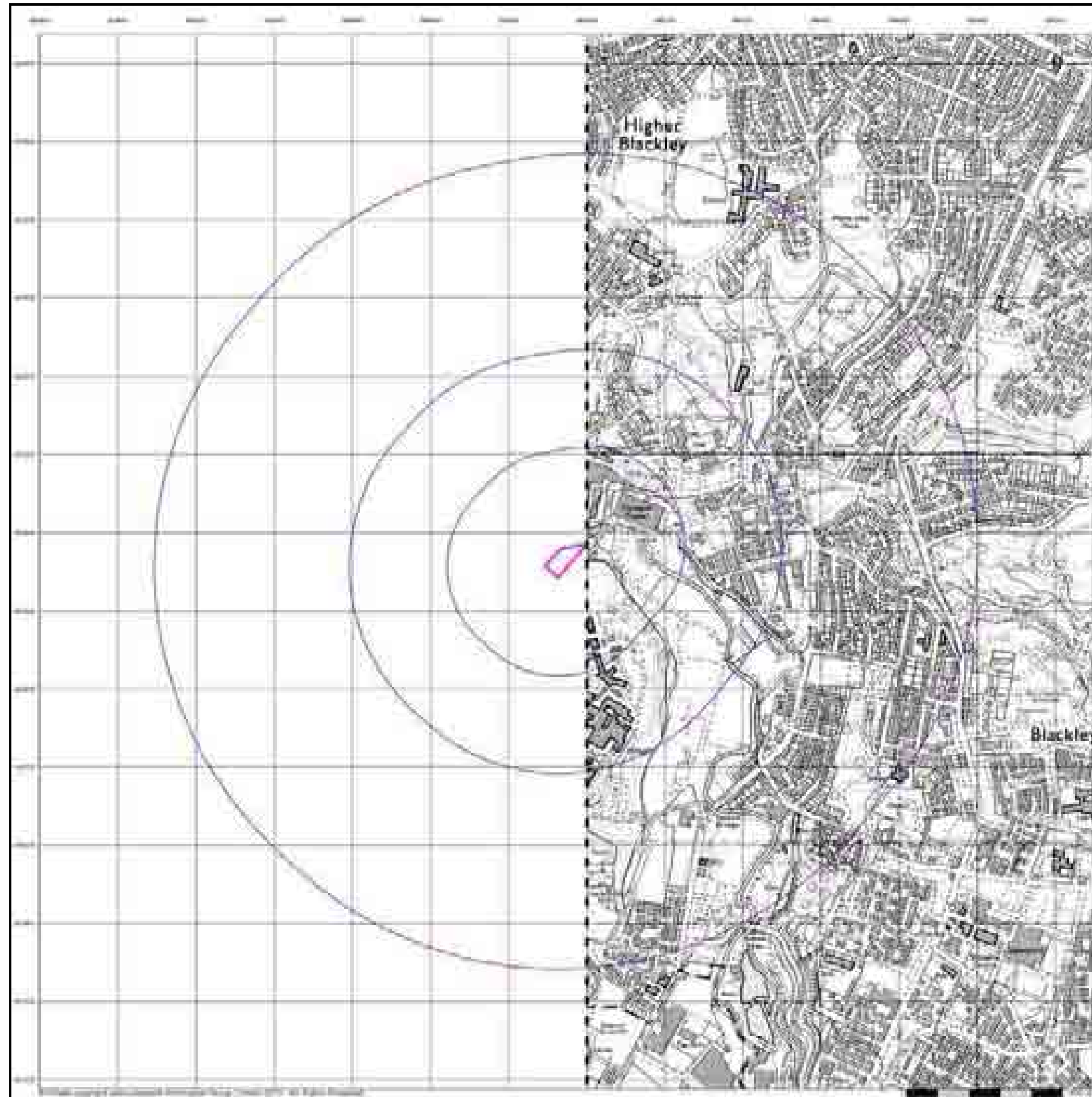
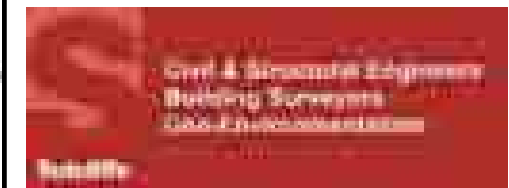
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Ordnance Survey Plan

Published 1990

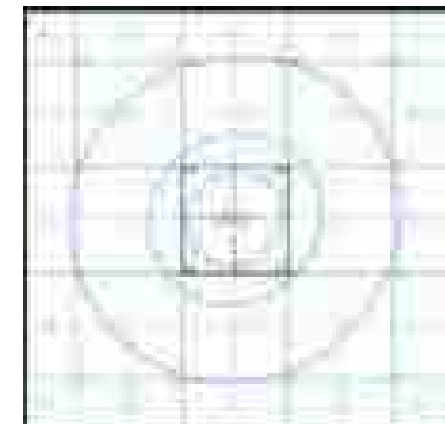
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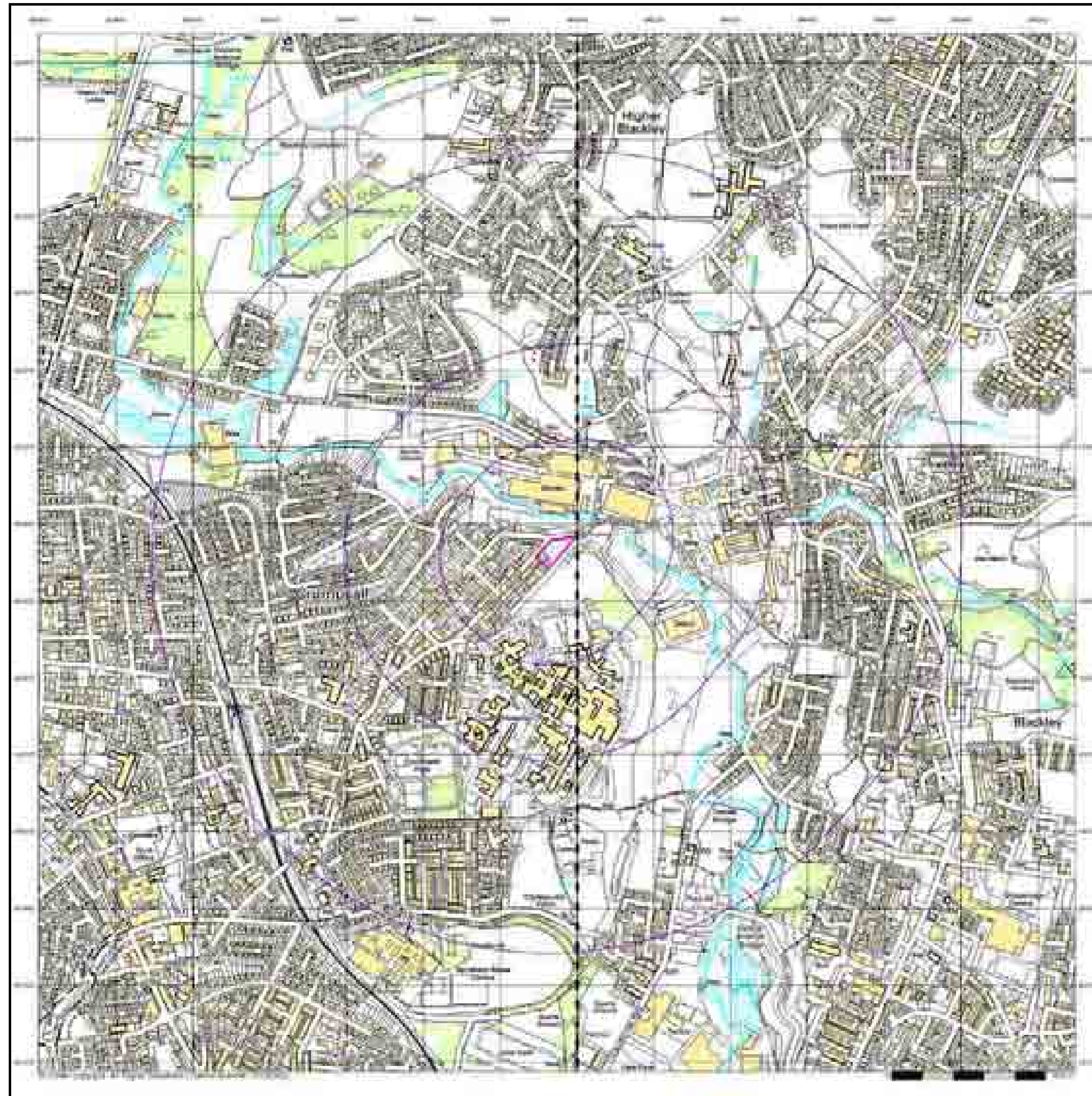
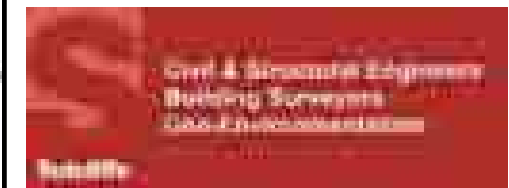
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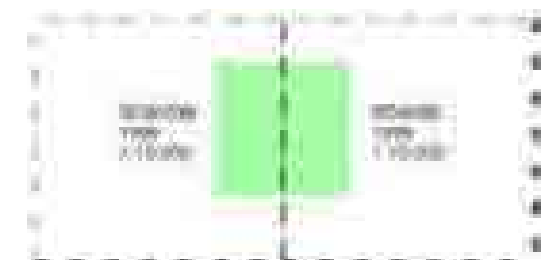
10k Raster Mapping

Published 1999

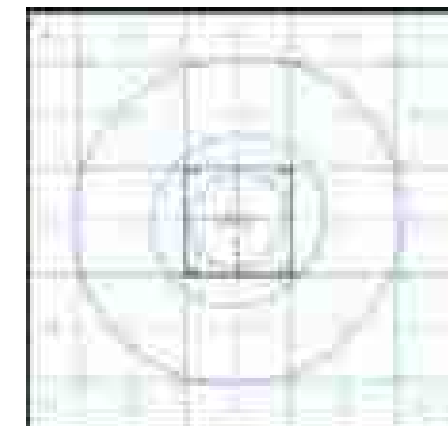
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

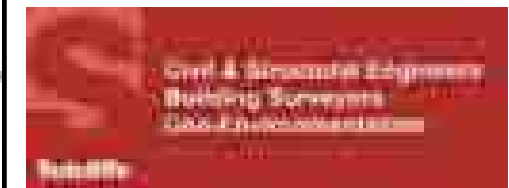
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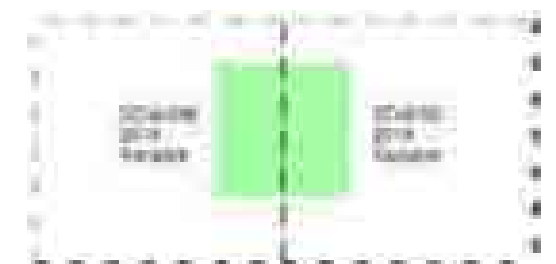
VectorMap Local

Published 2014

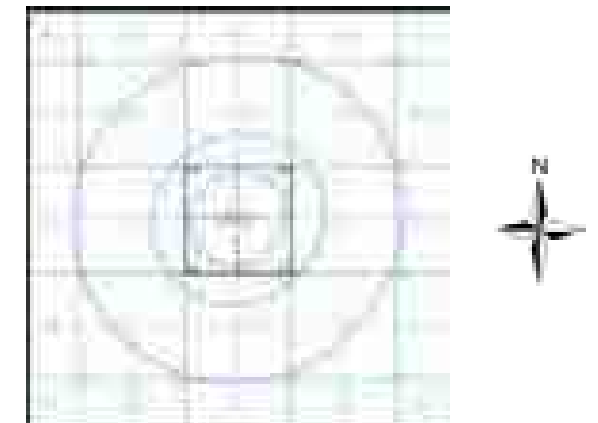
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 55193889_1_1
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Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

55193889_1_1

Customer Reference:

26934LG

National Grid Reference:

384950, 402730

Slice:

A

Site Area (Ha):

0.38

Search Buffer (m):

1000

Site Details:

44 Parkhill Avenue
MANCHESTER
M8 4RA

Client Details:

MR W Baldwin
Sutcliffe Projects Ltd
18-20 Harrington Street
Liverpool
L2 9QA



Report Section	Page Number
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Data Suppliers	52
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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 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 the attached 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 v47.0



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		14	6	18
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 10		1	1	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 11		Yes		
Pollution Incidents to Controlled Waters	pg 11			1	6
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 12		5	11	
River Quality	pg 15	1			
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 15		5	4	(*4)
Water Industry Act Referrals	pg 18				1
Groundwater Vulnerability	pg 18	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 18	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 18	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 18		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 18		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 19		Yes	Yes	n/a
Detailed River Network Offline Drainage					n/a



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 21			2	5
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 23	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 23	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 37		1	1	2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 37	Yes	n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 38	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 38		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 38	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 39	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 39	Yes	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



Summary

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 41		8	11	34
Fuel Station Entries	pg 45				2
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 46				2
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 46	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Cleveland Rd/Delauneys Road, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01man0117 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	42	1	385000 402810
1	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Cleveland Rd/Delauneys Road, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993738 Permit Version: 1 Effective Date: 24th May 2005 Issued Date: 24th May 2005 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: The River Irk 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	A13NE (NE)	42	1	385000 402810
1	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Cleveland Rd/Delauneys Road, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01MAN0117 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 23rd May 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	43	1	385001 402811
1	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Cleveland Rd/Delauneys Road, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0078 Permit Version: 2 Effective Date: 26th November 2004 Issued Date: 26th November 2004 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	64	1	385050 402810



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Cleveland Rd/Delaunays Road, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0078 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th November 2004 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	73	1	385040 402830
2	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Mill Brow/Blackley New Rd Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0112 Permit Version: 2 Effective Date: 26th January 2005 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NE (E)	152	1	385150 402800
3	Discharge Consents Operator: B3 Cable Solutions Property Type: Insulated Wires & Cables Location: Premises, Delaunays Road, Blackley, Manchester, M9 8fp Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993100 Permit Version: 2 Effective Date: 7th July 2002 Issued Date: 7th July 2002 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	154	1	384820 402860
4	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Mill Brow/Blackley New Rd Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0269 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 1st January 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	197	1	385160 402885



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Mill Brow/Blackley New Rd Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982717 Permit Version: 1 Effective Date: 30th September 1994 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	200	1	385160 402890
4	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Mill Brow/Blackley New Rd Cso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0112 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th January 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	203	1	385170 402880
5	Discharge Consents Operator: Qds Environmental Limited Property Type: Mobile Plant Location: Hexagon Tower Main Car Park Crumpsall Vale, ., Blackley, Manchester, M9 8ep Authority: Environment Agency, North West Region Catchment Area: Irk Reference: Npswqd002604 Permit Version: 1 Effective Date: 21st May 2008 Issued Date: 21st May 2008 Revocation Date: 30th November 2008 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk 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	A13SE (E)	210	1	385199 402699
6	Discharge Consents Operator: French Barn Lane Horticultural Society Property Type: Horticulture Est. Nursery Gardens Location: French Barn Lane Allotments, French Barn Lane, Blackley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991084 Permit Version: 1 Effective Date: 25th February 1986 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 Irk Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Approximate location provided by supplier	A13NE (N)	232	1	385000 403000



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	Discharge Consents Operator: Qds Environmental Limited Property Type: Mobile Plant Location: Hexagon Tower Main Car Park Crumpsall Vale, ., Blackley, Manchester, M9 8ep Authority: Environment Agency, North West Region Catchment Area: Irk Reference: Npswq000920 Permit Version: 1 Effective Date: 21st May 2008 Issued Date: 21st May 2008 Revocation Date: 30th November 2008 Discharge Type: Discharge Of Other Matter-Ground Water Discharge: Underground Water Environment: Receiving Water: Groundwaters 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	A13SE (E)	241	1	385210 402650
7	Discharge Consents Operator: Qds Environmental Limited Property Type: Mobile Plant Location: Hexagon Tower Main Car Park Crumpsall Vale, ., Blackley, Manchester, M9 8ep Authority: Environment Agency, North West Region Catchment Area: Irk Reference: Npswqd000920 Permit Version: 1 Effective Date: 21st May 2008 Issued Date: 21st May 2008 Revocation Date: 30th November 2008 Discharge Type: Discharge Of Other Matter-Ground Water Discharge: Underground Water Environment: Receiving Water: Groundwaters 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	A13SE (E)	241	1	385210 402650
8	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Chuddeleigh Rd, Crumpsall, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993672 Permit Version: 1 Effective Date: 11th July 2005 Issued Date: 11th July 2005 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: The River Irk 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	A13NW (W)	320	1	384610 402860
9	Discharge Consents Operator: Mr H Downs Property Type: Domestic Property (Multiple) Location: Old Houses At Home, Bottomly Side, Blackely, Manchester, M9 8ep Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01m/957 Permit Version: 1 Effective Date: 26th October 1963 Issued Date: 26th October 1963 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unknown Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A14SW (E)	358	1	385337 402645



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Chuddleigh Rd, Crumpsall, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01MAN0140 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 10th July 2005 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A12NE (W)	363	1	384550 402830
11	Discharge Consents Operator: Ici Chemicals & Polymers Ltd Property Type: Basic Industry, Chemicals Organic Location: Ici Works Swo, Crumpsall, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016991421 Permit Version: 1 Effective Date: 1st April 1992 Issued Date: Not Supplied Revocation Date: 1st April 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A14SW (E)	375	1	385330 402590
12	Discharge Consents Operator: Belden (Uk) Ltd Property Type: Other Mach & Mech Equipment Location: Delaunays Road Premises, Blackley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016993100 Permit Version: 1 Effective Date: 7th November 1995 Issued Date: Not Supplied Revocation Date: 6th July 2002 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	410	1	384600 403000
13	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Water Company Location: Bank Road O/S No 173, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Roch Reference: 01MAN0080 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 12th July 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Consent revoked or revised: New Consent issued (Section 37(1)) Positional Accuracy: Located by supplier to within 100m	A12NE (W)	500	1	384395 402745



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Brynorne Road, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 01MAN0139 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: 1st January 1995 Revocation Date: 19th July 2006 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Crumpsall Brook Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A12NE (W)	505	1	384390 402750
13	Discharge Consents Operator: North West Water Limited Property Type: Not Given Location: Band Road , O/S No 173 , MANCHESTER Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: MAN0080 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NE (W)	505	1	384390 402750
14	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - Water Company Location: Lion St/Grant St, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0154 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Boggart Hole Brook Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A14NW (E)	547	1	385540 402860
15	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: South Blackley New Rd Cso, Blackley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 016982986 Permit Version: 2 Effective Date: 6th June 2005 Issued Date: 6th June 2005 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12NE (NW)	611	1	384360 403010



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Middleton Old Road Cso, ., Manchester, Greater Manchester, M9 8ds Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0135 Permit Version: 2 Effective Date: 26th March 2010 Issued Date: 26th March 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	663	1	385410 402230
16	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Middleton Old Road Cso, ., Manchester, Greater Manchester, M9 8ds Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0135 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 25th March 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	663	1	385410 402230
17	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewage Disposal Works - Other Location: Blackley Sso, Middleton Old Road/Rochdale Road, Blackley, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016982716 Permit Version: 1 Effective Date: 28th November 1994 Issued Date: Not Supplied Revocation Date: 16th June 1995 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Boggart Hole Brook Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A14NE (E)	690	1	385690 402800
18	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Middleton Old Rd/Market S, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0267 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Boggarts Hole Brook Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A14NE (E)	755	1	385750 402860



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Charlestown Road Cso Charlestown Road, ., Manchester, Manchester, M9 7br Authority: Environment Agency, North West Region Catchment Area: Irk Reference: Npswqd006371 Permit Version: 1 Effective Date: 29th April 2009 Issued Date: 29th April 2009 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Boggart Hole Brook Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A14NE (E)	806	1	385807 402750
19	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Outside 130&132 Charlestown Rd Cso, Charlestown Road, Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993793 Permit Version: 1 Effective Date: 21st June 2005 Issued Date: 21st June 2005 Revocation Date: 26th June 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Boggart Hole Brook Trib Of Irk Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A14NE (E)	809	1	385810 402750
19	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Outside 167 Charlestown Road Cso, Charlestown Road, Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993782 Permit Version: 1 Effective Date: 21st June 2005 Issued Date: 21st June 2005 Revocation Date: 26th June 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Boggart Hole Brook Trib Irk Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A14NE (E)	810	1	385811 402751
19	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Booth Hall Road, Manchester Authority: Environment Agency, North West Region Catchment Area: Irk Reference: 016993772 Permit Version: 1 Effective Date: 21st June 2005 Issued Date: 21st June 2005 Revocation Date: 26th June 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Boggart Hole Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A14NE (E)	811	1	385812 402752



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - Water Company Location: Booth Hall Road, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0120 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Boggart Hole Brook Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 100m	A14NE (E)	830	1	385830 402810
20	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - Water Company Location: Booth Hall Road, Sso, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01man0121 Permit Version: 1 Effective Date: 15th September 1993 Issued Date: Not Supplied Revocation Date: 15th September 1993 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Boggart Hole Brook Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A14NE (E)	830	1	385830 402810
21	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Factory Ln/Waterloo St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0073 Permit Version: 3 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	856	1	385480 402030
21	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Factory Ln/Waterloo St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Supplied Reference: 01man0073 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	856	1	385480 402030



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Sewers - Water Company Location: Factory Ln/Waterloo St, Manchester, Greater Manchester Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01MAN0073 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: River Irk Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	856	1	385480 402030
22	Discharge Consents Operator: North West Water Limited Property Type: Not Given Location: Rochdale Road, Alfred Street , MANCHESTER Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: MAN0116 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Unknown Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	943	1	385420 401880
23	Local Authority Pollution Prevention and Controls Name: Belden Communications Division Location: Delaunays Road, Blackley, Manchester, Lancashire, M9 8fp Authority: Manchester City Council, Environmental Health Department Permit Reference: 68/94 Dated: 11th March 1994 Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic Status: Authorisation revokedRevoked Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	46	2	385038 402796
24	Local Authority Pollution Prevention and Controls Name: North Manchester General Hospital Location: Central Drive, Crumpsall, MANCHESTER, Lancashire, M8 5RN Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/15/92 Dated: 25th January 1995 Process Type: Local Authority Pollution Prevention and Control Description: PG5/1Clinical waste incineration processes under 1 tonne an hour Status: Authorisation revokedRevoked Positional Accuracy: Manually positioned to the address or location	A8NW (S)	434	2	384931 402250
25	Local Authority Pollution Prevention and Controls Name: Save Service Station (Blackley) Location: Slack Road, Blackley, MANCHESTER, Lancashire, M9 3AW Authority: Manchester City Council, Environmental Health Department Permit Reference: PFS/32/98/02 Dated: 16th December 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A14SW (SE)	626	2	385513 402410
26	Local Authority Pollution Prevention and Controls Name: Werner Dry Cleaners Location: 48 Crumpsall Lane, Crumpsall, Manchester Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/DC/RM/08/07 Dated: 1st February 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Located by supplier to within 10m	A7NW (W)	921	2	384040 402369



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	Local Authority Pollution Prevention and Controls Name: Blackley Service Station Location: 976 Rochdale Road, Blackley, MANCHESTER, Lancashire, M9 7EP Authority: Manchester City Council, Environmental Health Department Permit Reference: PPC/PFS/RM/011/06 Dated: 18th June 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Automatically positioned to the address	A19SE (E)	922	2	385858 403107
	Nearest Surface Water Feature	A13NE (N)	41	-	384962 402813
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Pollution Found Incident Date: 9th February 1996 Incident Reference: 96610259 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	500	1	385500 402800
29	Pollution Incidents to Controlled Waters Property Type: Spillage; Accident - Static Site Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: River Irk Incident Date: 1st February 1994 Incident Reference: 94610210 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Mechanical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	749	1	384200 402995
29	Pollution Incidents to Controlled Waters Property Type: Spillage; Accident - Static Site Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: River Irk Incident Date: 26th January 1994 Incident Reference: 94610178 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Mechanical Failure Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	751	1	384200 403000
30	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Combined Sewer Overflow Location: COLLYHURST Authority: Environment Agency, North West Region Pollutant: Sewage - Storm Overflow Note: River Irk; Crude Sewage Incident Date: 14th August 1997 Incident Reference: 97611530 Catchment Area: Irk Receiving Water: Freshwater Stream/River Cause of Incident: Blocked Sewer Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	751	1	385400 402100
31	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Found Incident Date: 10th March 1994 Incident Reference: 94610452 Catchment Area: Irk Receiving Water: Groundwater Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	848	1	384200 403200



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Pollution Incidents to Controlled Waters Property Type: Spillage; Accident - Static Site Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: River Irk Incident Date: 4th June 1993 Incident Reference: 93611133 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	909	1	384200 403300
33	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Greater Manchester Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected Incident Date: 2nd December 1996 Incident Reference: 96612451 Catchment Area: Irk Receiving Water: Not Given Cause of Incident: Fire Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	995	1	384200 402000
34	Registered Radioactive Substances Name: Avecia Ltd Location: Hexagon House, Blackely, MANCHESTER, M9 8ZS Authority: Environment Agency, North West Region Permit Reference: BG4399 Dated: 15th July 1999 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	142	1	385120 402845
34	Registered Radioactive Substances Name: Avecia Ltd Location: PO Box 42, Hexagon House, Blackely, MANCHESTER, M9 8ZS Authority: Environment Agency, North West Region Permit Reference: BG4372 Dated: 15th July 1999 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation either revoked or cancelledCancelled Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	144	1	385120 402850
34	Registered Radioactive Substances Name: Avecia Ltd Location: Po Box 42, Hexagon House, Manchester, M9 8zs Authority: Environment Agency, North West Region Permit Reference: Bw6116 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation either revoked or cancelledCancelled Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	155	1	385125 402861
34	Registered Radioactive Substances Name: Zeneca Specialities Location: Hexagon House, Blackley, MANCHESTER, Greater Manchester, M9 8ZS Authority: Environment Agency, North West Region Permit Reference: AQ7437 Dated: 16th March 1995 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelledCancelled Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	158	1	385137 402848



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	Registered Radioactive Substances Name: Zeneca Specialities Location: Hexagon Site, Blackley, MANCHESTER, M9 3DA Authority: Environment Agency, North West Region Permit Reference: AV2269 Dated: 21st January 1997 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation either revoked or cancelledCancelled Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	175	1	385056 402565
36	Registered Radioactive Substances Name: Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, Delaunays Road, Crumpsall, MANCHESTER, Lancashire, M8 5RB Authority: Environment Agency, North West Region Permit Reference: AU4967 Dated: 13th May 1996 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Initial variation to an authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Unknown	A13SW (S)	289	1	384905 402395
37	Registered Radioactive Substances Name: Pennine Acute Hospitals Nhs Trust Location: Delaunays Road, MANCHESTER, M8 5RB Authority: Environment Agency, North West Region Permit Reference: Bz9430 Dated: 6th January 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA Status: Application has been authorised and any conditions apply to the operatorAuthorised Positional Accuracy: Automatically positioned to the address	A8NW (S)	306	1	384881 402381
37	Registered Radioactive Substances Name: Pennine Acute Hospitals Nhs Trust Location: Delaunays Road, MANCHESTER, M8 5RB Authority: Environment Agency, North West Region Permit Reference: Bz9421 Dated: 6th January 2006 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation Status: Application has been authorised and any conditions apply to the operatorAuthorised Positional Accuracy: Automatically positioned to the address	A8NW (S)	306	1	384881 402381
37	Registered Radioactive Substances Name: Pennine Acute Hospitals Nhs Trust Location: Delaunays Road, Manchester, Lancashire, M8 5RB Authority: Environment Agency, North West Region Permit Reference: Br8492 Dated: 10th April 2002 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A8NW (S)	306	1	384881 402381
37	Registered Radioactive Substances Name: Pennine Acute Hospitals Nhs Trust Location: Delaunays Road, Manchester, Lancashire, M8 5RB Authority: Environment Agency, North West Region Permit Reference: Br8476 Dated: 1st April 2002 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A8NW (S)	306	1	384881 402381



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Registered Radioactive Substances Name: Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, Delauneys Road, Crumpsall, MANCHESTER, M8 6RB Authority: Environment Agency, North West Region Permit Reference: AM9888 Dated: 27th July 1994 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A8NW (S)	306	1	384881 402381
37	Registered Radioactive Substances Name: Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, Delauneys Road, Crumpsall, MANCHESTER, M8 6RB Authority: Environment Agency, North West Region Permit Reference: AA0701 Dated: 10th January 1992 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A8NW (S)	306	1	384881 402381
37	Registered Radioactive Substances Name: Pennine Acute Hospitals Nhs Trust Location: North Manchester General Hospital, Delauneys Road, Crumpsall, MANCHESTER, M8 6RB Authority: Environment Agency, North West Region Permit Reference: AM9896 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation superseded by a substantial or non substantial variationSuperseded Positional Accuracy: Automatically positioned to the address	A8NW (S)	306	1	384881 402381
38	Registered Radioactive Substances Name: Its Testing Services (Uk) Ltd Location: Po Box 42, Hexagon House, Blackley, Manchester, M9 8ZS Authority: Environment Agency, North West Region Permit Reference: Bz1820 Dated: 21st July 2005 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation Status: Application has been authorised and any conditions apply to the operatorAuthorised Positional Accuracy: Manually positioned within the geographical locality	A14NW (NE)	415	1	385384 402929
38	Registered Radioactive Substances Name: Its Testing Services (Uk) Ltd Location: Po Box 42, Hexagon House., Manchester, M9 8ZS Authority: Environment Agency, North West Region Permit Reference: Bz1846 Dated: 21st July 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Application has been authorised and any conditions apply to the operatorAuthorised Positional Accuracy: Manually positioned within the geographical locality	A14NW (NE)	415	1	385384 402929
39	Registered Radioactive Substances Name: North Manchester Healthcare Nhs Trust Location: North Manchester General Hospital, Central Drive, MANCHESTER, Greater Manchester, M8 5RN Authority: Environment Agency, North West Region Permit Reference: AB9631 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelledCancelled Positional Accuracy: Manually positioned to the address or location	A8NW (S)	439	1	384936 402245



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Irk GQA Grade: River Quality E Reach: Wince Bk To Moston Bk Estimated Distance (km): 10.3 Flow Rate: Flow less than 2.5 cumecs Flow Type: River Year: 2000	A13NE (N)	0	1	384949 402739
40	Water Abstractions Operator: Avecia Ltd Licence Number: 2569005012 Permit Version: 101 Location: Borehole At Blackley, Manchester 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: Groundwater Daily Rate (m3): 1000 Yearly Rate (m3): 1000 Details: Licence Holders Land At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st July 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NE (N)	133	1	385001 402901
41	Water Abstractions Operator: Bt Cables Limited Licence Number: 2569005044 Permit Version: 105 Location: 2 Boreholes At Blackley, Manchester Authority: Environment Agency, North West Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th October 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (N)	199	1	384890 402950
41	Water Abstractions Operator: Manchester Cables Ltd Licence Number: 2569005044 Permit Version: 104 Location: 2 Boreholes At Blackley, Manchester Authority: Environment Agency, North West Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th May 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (N)	199	1	384890 402950
41	Water Abstractions Operator: Belden (Uk) Ltd Licence Number: 2569005044 Permit Version: 103 Location: 2 Boreholes At Blackley, Manchester Authority: Environment Agency, North West Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th November 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (N)	199	1	384890 402950



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
41	Water Abstractions Operator: Belden (Uk) Ltd Licence Number: 2569005044 Permit Version: 102 Location: 2 Boreholes At Blackley, Manchester Authority: Environment Agency, North West Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 909 Yearly Rate (m3): 318181 Details: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (N)	199	1	384890 402950
42	Water Abstractions Operator: Bt Cables Limited Licence Number: 2569005044 Permit Version: 105 Location: Boreholes X 2 At Blackley Manchester Authority: Environment Agency, North West Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th October 2012 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	396	1	384610 402990
42	Water Abstractions Operator: Manchester Cables Ltd Licence Number: 2569005044 Permit Version: 104 Location: Boreholes X 2 At Blackley Manchester Authority: Environment Agency, North West Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th May 2007 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	396	1	384610 402990
42	Water Abstractions Operator: Belden (Uk) Ltd Licence Number: 2569005044 Permit Version: 103 Location: Boreholes X 2 At Blackley Manchester Authority: Environment Agency, North West Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th November 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	396	1	384610 402990



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	Water Abstractions Operator: Belden (Uk) Ltd Licence Number: 2569005044 Permit Version: 102 Location: 2 Boreholes At Blackley, Manchester \$121 Authority: Environment Agency, North West Region Abstraction: Metal: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Land & Premises At Blackley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd April 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	396	1	384610 402990
	Water Abstractions Operator: Centertex (U K) Limited Licence Number: 2569005008 Permit Version: Not Supplied Location: Reservoir Fed By Surface Drainage, & Spring, KINGSBRIDGE ROAD Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: River Daily Rate (m3): 409 Yearly Rate (m3): 102285 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	A4NW (SE)	1315	1	385500 401500
	Water Abstractions Operator: City Of Manchester Licence Number: 2569005031 Permit Version: Not Supplied Location: Borehole, Collyhurst, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 364 Yearly Rate (m3): 124742 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	(S)	1903	1	385200 400800
	Water Abstractions Operator: Oakbest Limited Licence Number: 2569005041 Permit Version: Not Supplied Location: Two Boreholes, Higher Blackley, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Manufacturing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1818 Yearly Rate (m3): 181840 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)	1915	1	384400 404595



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Rexmore Textiles Limited Licence Number: 2569005047 Permit Version: Not Supplied Location: Un-Named Tributary Of River Irk, Heaton Park, MANCHESTER Authority: Environment Agency, North West Region Abstraction: Boiler Feed & Drinking; Cooking; Sanitary; Washing For Industrial Premises & Manufacturing Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 546 Yearly Rate (m3): 122742 Details: Additional Purposes: Boiler feed; Domestic - industrial; 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	A21SW (NW)	1972	1	383400 404000
43	Water Industry Act Referrals Name: Rexmore Leasing Ltd Location: BOWKER BANKS WORKS, BOWKER BANK AVENUE, CRUMPSALL, MANCHESTER, M8 6LD Authority: Environment Agency, North West Region Permit Reference: AC3507 Dated: 15th January 1992 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application received by the EA but is not yet authorisedNot Yet Authorised Positional Accuracy: Manually positioned to the address or location	A12NW (W)	884	1	384063 403016
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13NE (SE)	0	1	384948 402732
	Drift Deposits Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13NE (SE)	0	1	384948 402732
	Bedrock Aquifer Designations Aquifer Desination: Principal Aquifer	A13NE (E)	0	3	385000 402732
	Bedrock Aquifer Designations Aquifer Desination: Principal Aquifer	A13NE (SE)	0	3	384948 402732
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (W)	0	3	384946 402732
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NE (E)	0	3	385000 402747
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NE (SE)	0	3	384948 402732
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	35	1	384962 402801
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	67	1	385061 402728
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	45	1	384963 402807



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	87	1	385088 402769
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (E)	135	1	385138 402755
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
44	Detailed River Network Lines River Type: Primary River River Name: River Irk Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: IRK Name: Water Course: IRKR Reference:	A13NE (N)	46	1	384965 402816
45	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (NE)	64	1	385038 402820
46	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: IRK Name: Water Course: IRKR Reference:	A13NE (NE)	64	1	385038 402820
47	Detailed River Network Lines River Type: Primary River River Name: River Irk Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Flood Risk Management Indicative/Statutory Main River Management Status: Water Course: IRK Name: Water Course: IRKR Reference:	A13NE (E)	143	1	385143 402756



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A13NE (E)	143	1	385144 402780
49	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A18SE (N)	333	1	385032 403100
50	Detailed River Network Lines River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A14NW (E)	358	1	385341 402881
51	Detailed River Network Lines River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A14NW (NE)	405	1	385377 402919
52	Detailed River Network Lines River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A14NW (NE)	494	1	385429 403014
	Detailed River Network Offline Drainage None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	Historical Landfill Sites Licence Holder: Not Supplied Location: Higher Blackley, Manchester, Greater Manchester Name: Land at Pike Fold Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16307 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F043	A18SE (NE)	371	1	385186 403089
54	Historical Landfill Sites Licence Holder: Earl of Wilton Location: Blackley New Road, Crumpsall, Manchester, Greater Manchester Name: South of Blackley New Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16331 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F017	A12NE (NW)	450	1	384570 403025
55	Historical Landfill Sites Licence Holder: Not Supplied Location: Blackley, Manchester, Greater Manchester Name: Land at Factory Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16361 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F018	A14SW (E)	639	1	385575 402489
56	Historical Landfill Sites Licence Holder: Not Supplied Location: Plant Hill Road, Higher Blackley, Manchester, Greater Manchester Name: Land at Tweedle Hill Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16274 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F002	A18NE (NE)	744	1	385263 403464
57	Historical Landfill Sites Licence Holder: Not Supplied Location: Riverdale Road, Crumpsall, Manchester, Greater Manchester Name: Land at Riverdale Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16303 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F033	A17NE (NW)	784	1	384592 403461



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
58	Historical Landfill Sites Licence Holder: Not Supplied Location: Crescent Road, Crumpsall, Manchester, Greater Manchester Name: Abraham Moss Centre Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16395 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F016	A8SW (S)	900	1	384863 401786
59	Historical Landfill Sites Licence Holder: Not Supplied Location: White Moss Road, Blackley, Manchester, Greater Manchester Name: Land off White Moss Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD16308 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Not Supplied Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: F003	A19SE (E)	985	1	385938 403069
	Local Authority Landfill Coverage Name: Manchester City Council - Had landfill data but passed it to the relevant environment agency		0	10	384948 402732



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian and Triassic sandstones, undifferentiated, including Bunter and Keuper	A13NE (SE)	0	3	384948 402732
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NW (W)	0	4	384946 402732
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13NE (E)	0	4	385000 402746
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: <15 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 30 - 45 mg/kg Concentration:	A13NE (SE)	0	4	384948 402732
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (E)	4	4	385000 402732
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	6	4	384975 402789
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13SE (E)	15	4	384991 402722



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SE (SE)	56	4	385000 402683
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (SE)	83	4	385000 402642
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (N)	151	4	385000 402921
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (N)	153	4	384979 402924
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (N)	232	4	384948 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (N)	232	4	385000 403000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NE (N)	240	4	385000 403011
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NE (NE)	241	4	385068 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13NE (N)	243	4	384983 403012
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SE (S)	253	4	384981 402436
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A13SE (S)	258	4	385000 402436
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (NW)	281	4	384795 403000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (NE)	369	4	385289 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A13NE (NE)	374	4	385258 403040
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (NE)	376	4	385297 403001
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (NE)	377	4	385298 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (NE)	387	4	385312 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A14NW (NE)	413	4	385342 403000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	472	4	384859 402216
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	503	4	385449 402996
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SE (N)	506	4	385000 403274
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	546	4	385000 402142
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	549	4	384999 402139
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	550	4	385000 402138



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	590	4	384978 402096
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	601	4	385555 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	604	4	385074 402098
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (S)	611	4	385000 402077
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	658	4	385403 402230
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	665	4	385625 403000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	678	4	385679 402762
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	678	4	385067 402020
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	683	4	384948 402000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	687	4	385566 402378
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	687	4	385000 402000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	691	4	385434 402214



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	698	4	385069 402000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	701	4	385433 402199
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	703	4	385091 402000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	704	4	385194 402032
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	706	4	384750 402000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	710	4	384735 402000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	721	4	384699 402000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	735	4	385198 402000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SW (S)	748	4	384859 401939
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	756	4	385251 402000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SW (NE)	764	4	385554 403295
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	806	4	385747 403073



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19NW (NE)	806	4	385317 403510
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	812	4	385744 403097
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	812	4	385184 401913
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NW (W)	813	4	384088 402825
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14SE (E)	819	4	385753 402438
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A19SE (E)	829	4	385774 403065



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NW (W)	835	4	384109 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	845	4	385707 402305
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NW (SE)	851	4	385620 402182
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9NW (SE)	852	4	385538 402089
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	853	4	385833 402953
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NW (SE)	853	4	385583 402137



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NE (E)	868	4	385837 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12SW (W)	871	4	384040 402539
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A9SW (SE)	880	4	385482 402000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	883	4	385858 402978
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NE (N)	892	4	385000 403661
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	894	4	384000 402732



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NW (W)	899	4	384000 402810
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	904	4	385874 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	912	4	384000 402895
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NE (E)	935	4	385916 402960
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A12NW (W)	939	4	384000 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	957	4	384000 403056



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SW (SE)	958	4	385456 401885
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 30 - 45 mg/kg Concentration:	A14NE (E)	960	4	385933 403000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9SE (SE)	976	4	385624 402000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (E)	995	4	385993 402836
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 150 - 300 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	996	4	385886 403226
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15NW (E)	999	4	386000 402768



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic: 15 - 25 mg/kg Concentration: Cadmium: <1.8 mg/kg Concentration: Chromium: 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel: 15 - 30 mg/kg Concentration:	A15NW (E)	999	4	386000 402732
60	BGS Recorded Mineral Sites Site Name: Blackley Sand Pit Location: , Blackley, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96909 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Glaciofluvial Deposits, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A13NW (N)	220	3	384881 402970
61	BGS Recorded Mineral Sites Site Name: Pike Fold Sand Pit Location: , Higher Blackley, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96918 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Till, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	453	3	385147 403197
62	BGS Recorded Mineral Sites Site Name: Pike Fold Clay Pit Location: , Higher Blackley, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96919 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Permian Geology: Manchester Marls Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18SE (NE)	612	3	385243 403330
63	BGS Recorded Mineral Sites Site Name: Pike Fold Sand Pit Location: , Higher Blackley, Manchester, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 96904 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Quaternary Geology: Till, Devensian Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	622	3	385363 403274
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (SE)	0	5	384948 402732
	Non Coal Mining Areas of Great Britain No Hazard				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	3	385000 402747
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	3	384948 402732
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	5	3	385000 402732
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	7	3	384975 402790
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	15	3	384991 402723
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	55	3	385000 402684
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	152	3	385000 402922
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	154	3	384979 402925
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	3	384948 402732
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	3	385000 402747
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	5	3	385000 402732
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	7	3	384975 402790
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	15	3	384991 402723
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	55	3	385000 402684
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	152	3	385000 402922
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	154	3	384979 402925
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	3	384948 402732
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	3	385000 402732
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	5	3	385004 402755
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	7	3	384975 402790



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	39	3	385037 402727
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	102	3	385097 402804
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	140	3	385098 402667
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	163	3	384818 402871
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	238	3	385231 402708
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	239	3	384830 402971
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	3	384948 402732
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	3	385000 402747
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	5	3	385000 402732
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	7	3	384975 402790
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	15	3	384991 402723
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	55	3	385000 402684
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	152	3	385000 402922
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	154	3	384979 402925
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	3	384946 402732
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	3	385000 402732
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	3	384948 402732
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	82	3	385000 402643
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	152	3	385000 402922
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	154	3	384979 402925
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	244	3	384983 403013



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	3	384948 402732
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	3	385000 402732
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (SE)	0	3	384948 402732
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	0	3	385000 402732



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Contemporary Trade Directory Entries Name: 5 Star Cleaning Location: 198 Cleveland Rd, Manchester, Lancashire, M8 4GT Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	40	-	384889 402767
65	Contemporary Trade Directory Entries Name: P P L Engineering Location: Delaunays Road, Manchester, M9 8FP Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (NE)	81	-	385058 402826
66	Contemporary Trade Directory Entries Name: Rhinobath Ltd Location: 59-61, Parkhill Avenue, Manchester, Lancashire, M8 4QZ Classification: Hygiene & Sanitary Appliance Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	105	-	384810 402651
67	Contemporary Trade Directory Entries Name: North Manchester General Hospital Location: Delaunays Rd, Manchester, Lancashire, M8 5RB Classification: Hospitals Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	165	-	384820 402558
68	Contemporary Trade Directory Entries Name: Smartkem Location: Delaunays Rd, Manchester, Lancashire, M9 8FP Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NE (N)	182	-	385024 402949
68	Contemporary Trade Directory Entries Name: Bt Cables Ltd Location: Delaunays Road, Manchester, M9 8FP Classification: Cable & Wire Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (N)	182	-	385024 402949
68	Contemporary Trade Directory Entries Name: Tonge & Young Ltd Location: Blackley New Rd, Manchester, M9 8ER Classification: Dyers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NE (N)	216	-	384996 402984
69	Contemporary Trade Directory Entries Name: Audi Care Location: 42, Cleveland Road, Manchester, Lancashire, M8 4QU Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	213	-	384696 402632
70	Contemporary Trade Directory Entries Name: North Manchester General Hospital Location: Delaunays Road, Manchester, M8 5RB Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	306	-	384881 402381
70	Contemporary Trade Directory Entries Name: North Manchester Healthcare Trust Location: Delaunays Road, Manchester, M8 5RB Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	306	-	384881 402381
70	Contemporary Trade Directory Entries Name: North Manchester Healthcare Trust Location: Delaunays Road, Manchester, M8 5RB Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (S)	306	-	384881 402381
71	Contemporary Trade Directory Entries Name: Asna Shipping Services Ltd Location: 158, Blackley New Road, Manchester, M9 8EG Classification: Freight Forwarders Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	348	-	384836 403090



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
71	Contemporary Trade Directory Entries Name: Failsworth Builders Ltd Location: 158, Blackley New Road, Manchester, M9 8EG Classification: Timber Preservation Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	348	-	384836 403090
71	Contemporary Trade Directory Entries Name: National Tyres And Autocare Location: 158, Blackley New Road, Manchester, M9 8EG Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	348	-	384836 403090
71	Contemporary Trade Directory Entries Name: North West Location: 158, Blackley New Road, Manchester, M9 8EG Classification: Builders' Tools & Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	348	-	384836 403090
71	Contemporary Trade Directory Entries Name: Northwest Concrete Ltd Location: 158, Blackley New Road, Manchester, M9 8EG Classification: Concrete & Mortar Ready Mixed Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	348	-	384836 403090
72	Contemporary Trade Directory Entries Name: Trimega Location: Hexagon Tower, Quilter Gr, Manchester, Lancashire, M9 8DE Classification: Laboratories Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14NW (E)	446	-	385446 402750
73	Contemporary Trade Directory Entries Name: Blackley Village Supplies Location: 67 Old Market St, Blackley, Manchester, M9 8DX Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NW (E)	491	-	385468 402920
73	Contemporary Trade Directory Entries Name: Halpin & Stanley Ltd Location: 1-3, Domett Street, Manchester, M9 8DF Classification: Clothing & Fabrics - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	492	-	385469 402921
74	Contemporary Trade Directory Entries Name: Tyres-R-Us Location: 9-11 Old Market St, Manchester, M9 8DT Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	571	-	385540 402956
74	Contemporary Trade Directory Entries Name: Tyres R Us Location: Old Market St, Manchester, Lancashire, M9 8DY Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	602	-	385572 402958
75	Contemporary Trade Directory Entries Name: J E Ward Location: 9, Old Road, Manchester, M9 8BF Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	597	-	385598 402775
76	Contemporary Trade Directory Entries Name: Save Service Station Location: Slack Road, Manchester, Lancashire, M9 8AW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	626	-	385513 402410
77	Contemporary Trade Directory Entries Name: Goodluck Cleaning Services Location: 2, Sherwell Road, Manchester, M9 8JB Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	636	-	384999 403404



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Contemporary Trade Directory Entries Name: Bill Howarth Location: 17, Slack Road, Manchester, M9 8AW Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned in the proximity of the address	A9NW (SE)	665	-	385510 402340
79	Contemporary Trade Directory Entries Name: Blackley Car Sales Location: 9-11 old market street, blackley, Manchester, M9 8DT Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	666	-	385647 402930
79	Contemporary Trade Directory Entries Name: Lion Forge Location: Old Market St, Blackley, Manchester, Lancashire, M9 8FY Classification: Gate Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	684	-	385666 402926
79	Contemporary Trade Directory Entries Name: Lion Works Location: Lion Works, Old Market St, Manchester, Lancashire, M9 8FY Classification: Metal Products - Fabricated Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	715	-	385696 402934
80	Contemporary Trade Directory Entries Name: Broomwood Property Care Location: Flat 48, Sandyhill Court, Sandyhill Road, Manchester, M9 8JS Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	669	-	384404 403169
81	Contemporary Trade Directory Entries Name: Crumpsall Plastics & Engineering Ltd Location: French Barn Lane, Manchester, M9 6PB Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	675	-	385516 403204
82	Contemporary Trade Directory Entries Name: S & K Motors Location: Trafalgar House, Slack Road, Manchester, M9 8AW Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	688	-	385456 402244
82	Contemporary Trade Directory Entries Name: Jamal Motors Location: 165, Waterloo Street, Manchester, M9 8AN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	692	-	385490 402278
82	Contemporary Trade Directory Entries Name: D M Tyres & Exhausts Location: 165, Waterloo Street, Manchester, M9 8AN Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	692	-	385490 402278
83	Contemporary Trade Directory Entries Name: The Iron Lady Ironing Service Location: 64, Old Road, Manchester, M9 8BS Classification: Ironing & Home Laundry Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	731	-	385724 402660
84	Contemporary Trade Directory Entries Name: J A M Medical Location: 14, Glanford Avenue, Manchester, M9 8HP Classification: Medical Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	739	-	384497 403352
85	Contemporary Trade Directory Entries Name: Sd Wastepaper Location: Waterloo Street, MANCHESTER, M8 5XB Classification: Recycling Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	753	-	385250 402004



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	Contemporary Trade Directory Entries Name: Crumpsall Plumbers & Builders Ltd Location: Station Yard, Bank Road, Manchester, M8 4QE Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A12SW (W)	756	-	384161 402525
87	Contemporary Trade Directory Entries Name: Stephen Umukoro Location: 17, Tumbling Bank, Manchester, M9 6AU Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	772	-	385699 403097
88	Contemporary Trade Directory Entries Name: J Bacon & Co Haulage Ltd Location: 53, Middleton Old Road, Manchester, M9 8DS Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A14NE (E)	779	-	385773 402869
88	Contemporary Trade Directory Entries Name: Blackley Exhaust & Motor Services Location: 53, Middleton Old Road, Manchester, M9 8DS Classification: Exhaust & Shock Absorber Centres Status: Active Positional Accuracy: Automatically positioned in the proximity of the address	A14NE (E)	779	-	385773 402869
89	Contemporary Trade Directory Entries Name: Electrix World Location: 9, Hermitage Road, Manchester, M8 5SW Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	787	-	384233 402285
90	Contemporary Trade Directory Entries Name: Crumpsall Carpet & Suite Cleaning Location: 23, Hermitage Road, Manchester, M8 5SW Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	803	-	384252 402231
90	Contemporary Trade Directory Entries Name: Superstars Location: 23, Hermitage Road, Manchester, M8 5SW Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	803	-	384252 402231
91	Contemporary Trade Directory Entries Name: Halal Meat & Food Store Location: 23, Lansdowne Road, Manchester, Lancashire, M8 5SF Classification: Meat - Wholesale Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	807	-	384392 402080
92	Contemporary Trade Directory Entries Name: Canopy & Ducting Cleaning Manchester Location: 79, Moss Bank, Manchester, M8 5AP Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	814	-	384440 402031
93	Contemporary Trade Directory Entries Name: Ben Kilcourse Location: 30, Middleton Old Road, Manchester, M9 8DS Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	828	-	385785 403033
94	Contemporary Trade Directory Entries Name: Trade N Save Location: 1095, Rochdale Road, Manchester, M9 7FW Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	831	-	385830 402823
95	Contemporary Trade Directory Entries Name: D E T T Location: A, 73, Cravenwood Road, Manchester, Lancashire, M8 5AN Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	888	-	384310 402044



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	Contemporary Trade Directory Entries Name: Blackley Service Station Location: 976, Rochdale Road, Manchester, Lancashire, M9 7EP Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (E)	922	-	385858 403107
96	Contemporary Trade Directory Entries Name: Blakeley Service Station Location: 976, Rochdale Road, Manchester, M9 7EP Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (E)	922	-	385858 403107
97	Contemporary Trade Directory Entries Name: Werner Location: 48, Crumpsall Lane, Manchester, M8 5FB Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (W)	922	-	384040 402367
98	Contemporary Trade Directory Entries Name: Competent Cleaners Ltd Location: Station Rd, Manchester, Lancashire, M8 5BS Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A7NW (SW)	968	-	384124 402127
99	Contemporary Trade Directory Entries Name: M B M Motor Repairs Location: Moss Bank, Crumpsall, Manchester, M8 5AB Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	979	-	384288 401942
100	Fuel Station Entries Name: Blackley Service Station Location: Slack Road, Blackley,, MANCHESTER, Lancashire, M9 8AW Brand: Unbranded Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A14SW (SE)	626	-	385513 402410
101	Fuel Station Entries Name: Blackley Service Station Location: 976, Rochdale Road, Manchester, M9 7EP Brand: Texaco Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A19SE (E)	922	-	385858 403107



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
102	Local Nature Reserves Name: Blackley Forest Multiple Area: Y Area (m2): 342103.01 Source: Natural England Designation Date: 20th June 2005	A17NE (NW)	783	8	384592 403460
103	Local Nature Reserves Name: Boggart Hole Clough Multiple Area: N Area (m2): 743984.95 Source: Natural England Designation Date: 21st November 2007	A14NE (E)	872	8	385872 402755
104	Nitrate Vulnerable Zones Name: Not Supplied Description: NVZ Area Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	A13NE (SE)	0	9	384948 402732



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Manchester City Council - Environmental Health Department Tameside Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Bury Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department	July 2013 May 2013 November 2013 November 2013 October 2013 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Quarterly Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - North West Region	February 2014	Quarterly
Enforcement and Prohibition Notices Environment Agency - North West Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - North West Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - North West Region	February 2014	Quarterly
Local Authority Integrated Pollution Prevention And Control Bury Metropolitan Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department Tameside Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department	April 2013 February 2013 February 2013 October 2012 September 2013 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Bury Metropolitan Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department Tameside Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department	April 2013 February 2013 February 2013 October 2012 September 2013 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Bury Metropolitan Borough Council - Environmental Health Department Manchester City Council - Environmental Health Department Tameside Metropolitan Borough Council - Environmental Health Department Rochdale Metropolitan Borough Council - Environmental Health Department Oldham Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department	April 2013 February 2013 February 2013 October 2012 September 2013 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - North West Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - North West Region	March 2013	As notified
Registered Radioactive Substances Environment Agency - North West Region	February 2014	Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually



Data Currency

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register Environment Agency - North West Region - South Area	February 2014	Quarterly
Water Abstractions Environment Agency - North West Region	December 2014	Quarterly
Water Industry Act Referrals Environment Agency - North West Region	February 2014	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	October 2012	Annually
Source Protection Zones Environment Agency - Head Office	December 2014	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2014	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2014	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2014	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2014	Quarterly
Flood Defences Environment Agency - Head Office	February 2014	Quarterly
Detailed River Network Lines Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually



Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - North West Region - South Area Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area	February 2014 February 2014 February 2014 February 2014 February 2014	Quarterly Quarterly Quarterly Quarterly Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - North West Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North West Region - South Area Environment Agency - South East Region - Kent & South London Area Environment Agency - South East Region - North East Thames Area Environment Agency - South East Region - Solent & South Downs Area Environment Agency - South East Region - West Thames Area	February 2014 February 2014 February 2014 February 2014 February 2014	Quarterly Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North West Region - South Area	February 2014	Quarterly
Local Authority Landfill Coverage Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department Tameside Metropolitan Borough Council	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Bury Metropolitan Borough Council Manchester City Council - Planning Department Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council - Environmental Health Department Salford City Council - Environmental Health Department Tameside Metropolitan Borough Council	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Transfer Sites Environment Agency - North West Region - South Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - North West Region - South Area	March 2003	Not Applicable



Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2014	Bi-Annually
Explosive Sites Health and Safety Executive	November 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Manchester City Council - Planning Department Salford City Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Tameside Metropolitan Borough Council - Planning and Building Control Bury Metropolitan Borough Council	December 2012 December 2012 July 2013 November 2012 November 2012 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Manchester City Council - Planning Department Salford City Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Tameside Metropolitan Borough Council - Planning and Building Control Bury Metropolitan Borough Council	December 2012 December 2012 July 2013 November 2012 November 2012 September 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2013	Bi-Annually
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Mining Report Service	December 2013	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	October 2013	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified



Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	February 2014	Quarterly
Fuel Station Entries Catalist Ltd - Experian	March 2014	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt Bury Metropolitan Borough Council Manchester City Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Salford City Council Tameside Metropolitan Borough Council	February 2014 February 2014 February 2014 February 2014 February 2014 February 2014	As notified As notified As notified As notified As notified As notified
Areas of Unadopted Green Belt Bury Metropolitan Borough Council Manchester City Council Oldham Metropolitan Borough Council Rochdale Metropolitan Borough Council Salford City Council Tameside Metropolitan Borough Council	February 2014 February 2014 February 2014 February 2014 February 2014 February 2014	As notified As notified As notified As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	January 2014	Bi-Annually
Environmentally Sensitive Areas Natural England	July 2013	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	July 2013	Bi-Annually
Marine Nature Reserves Natural England	July 2013	Bi-Annually
National Nature Reserves Natural England	January 2014	Bi-Annually
National Parks Natural England	January 2014	Bi-Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2013	Annually
Ramsar Sites Natural England	July 2013	Bi-Annually
Sites of Special Scientific Interest Natural England	July 2013	Bi-Annually
Special Areas of Conservation Natural England	July 2013	Bi-Annually
Special Protection Areas Natural England	July 2013	Bi-Annually

A selection of organisations who provide data within this report

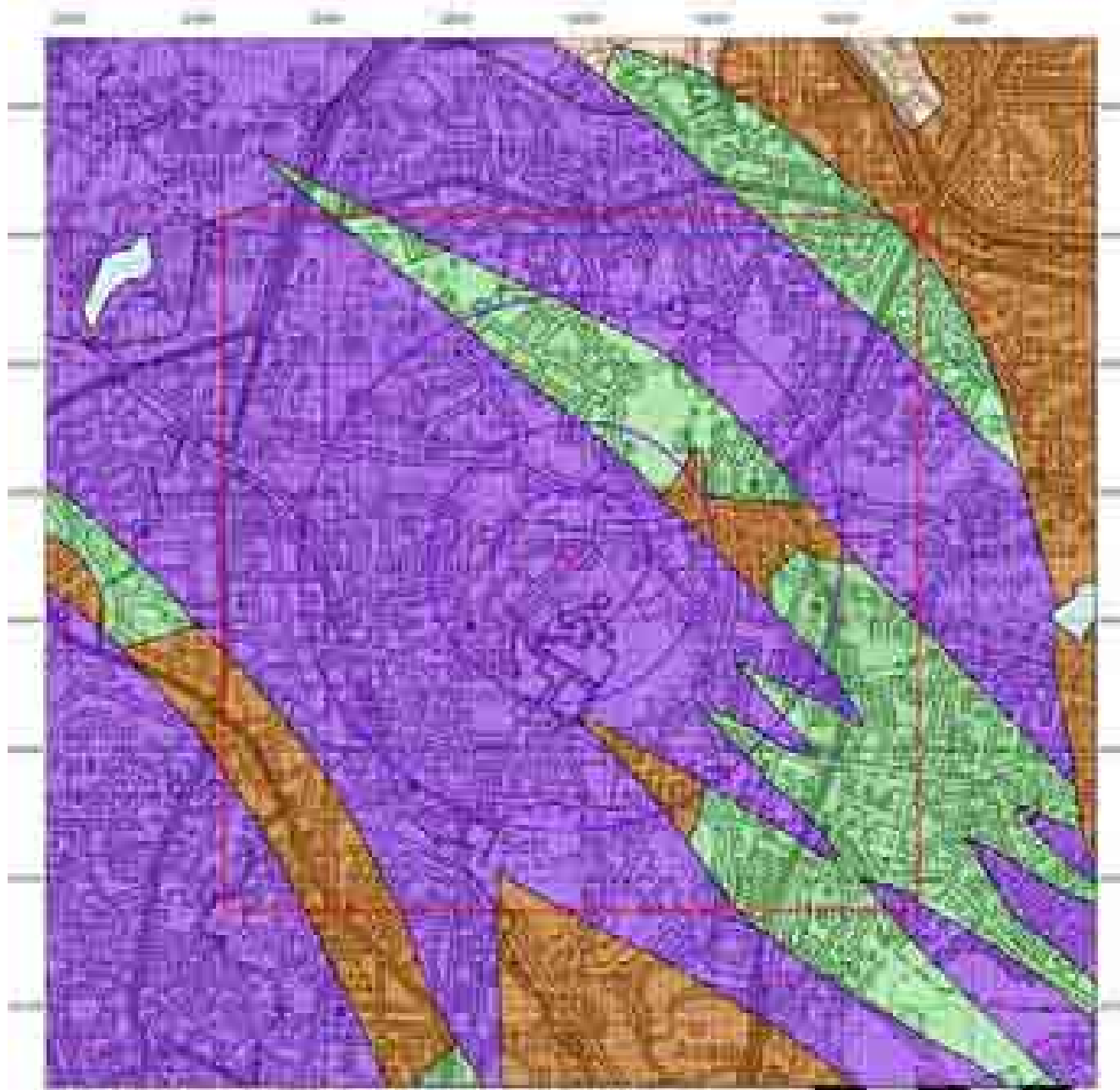
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Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	



Useful Contacts

Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Manchester City Council - Environmental Health Department PO Box 463, Town Hall Extension, Albert Square, Manchester, Greater Manchester, M60 3NY	Telephone: 0161 234 4884 / 234 4873. Fax: 0161 234 4508 Website: www.manchester.gov.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	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
5	The Coal Authority - Mining Report Service 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
6	Manchester City Council Town Hall, Albert Square, Manchester, Greater Manchester, M60 2JT	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
7	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
8	Natural England Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
10	Manchester City Council - Planning Department Town Hall, Manchester, Greater Manchester, M60 2LA	Telephone: 0161 234 5000 Fax: 0161 234 4508 Website: www.manchester.gov.uk
-	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

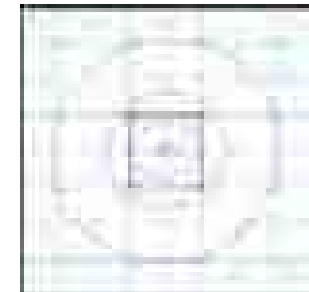
Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.



Groundwater Vulnerability



Site Sensitivity Context Map - Slice A



Order Details

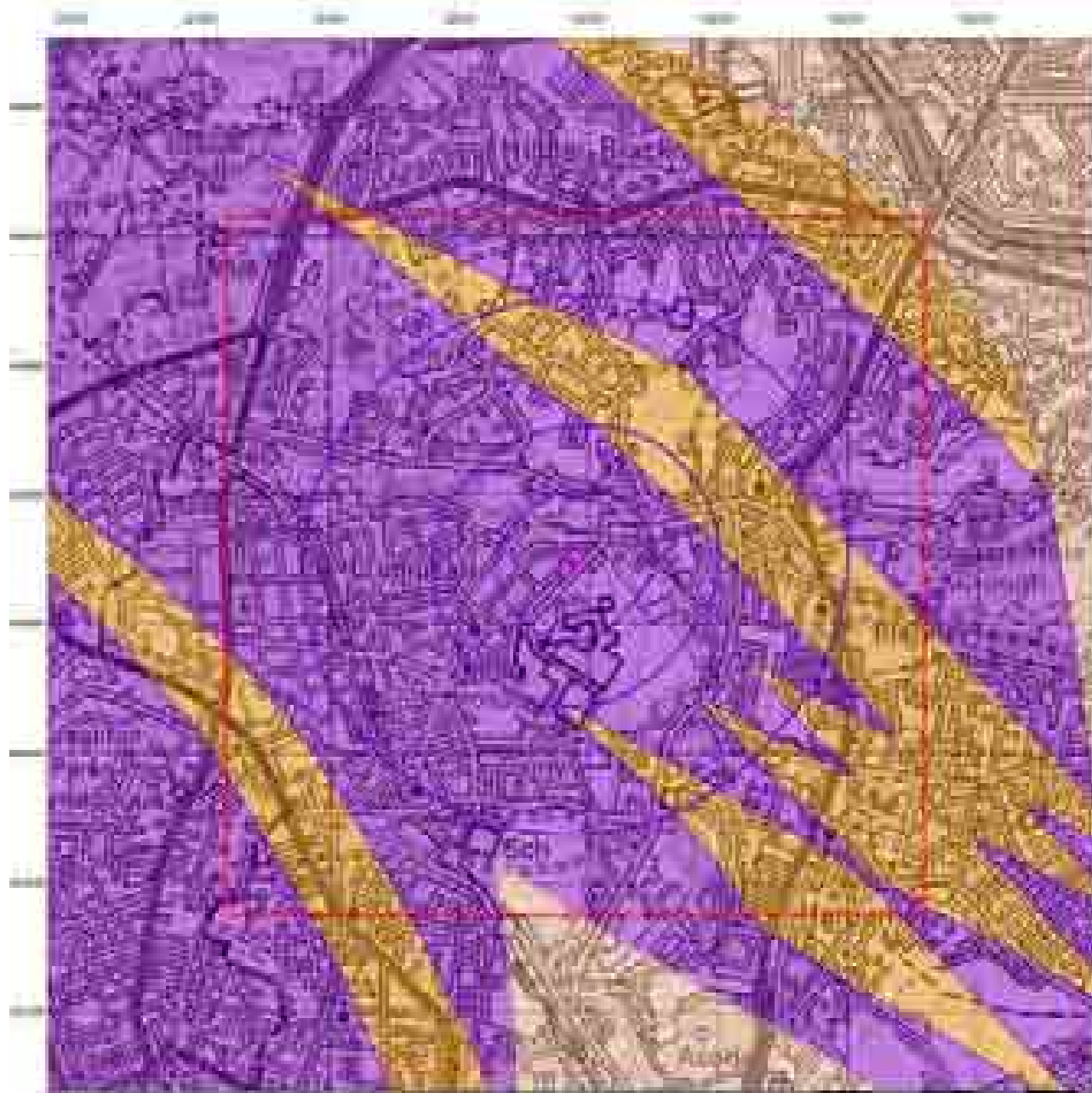
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 Site Area (Ha): 0.38
 Search Buffer (m): 1000

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA



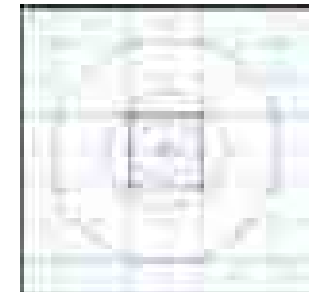
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 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



Bedrock Aquifer Designation



Site Sensitivity Context Map - Slice A



Order Details

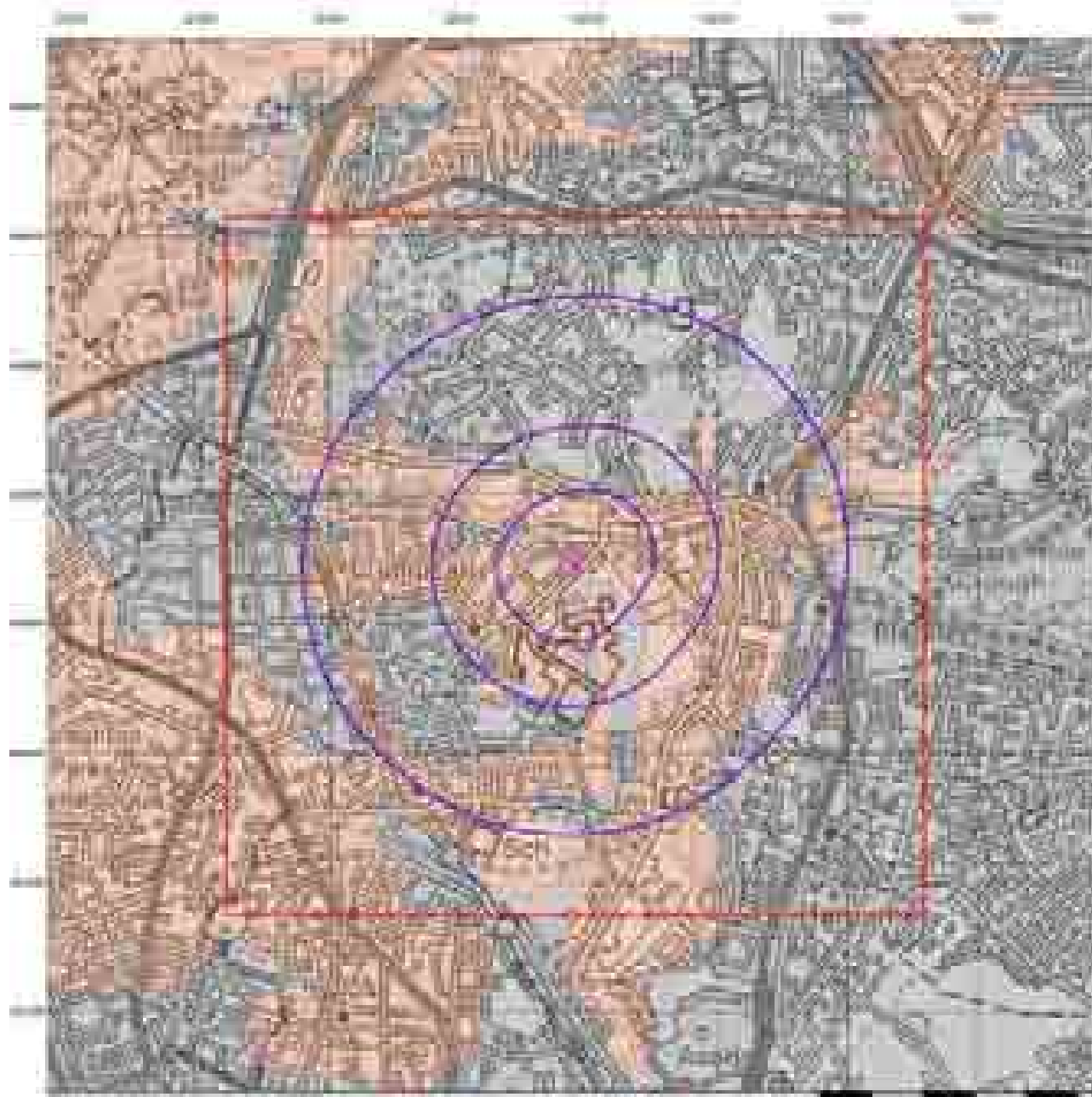
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Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA



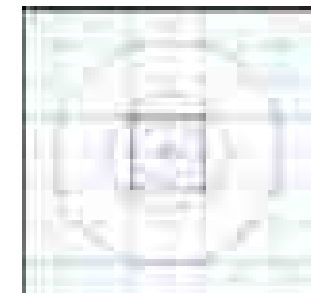
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 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



Superficial Aquifer Designation



Site Sensitivity Context Map - Slice A



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Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA



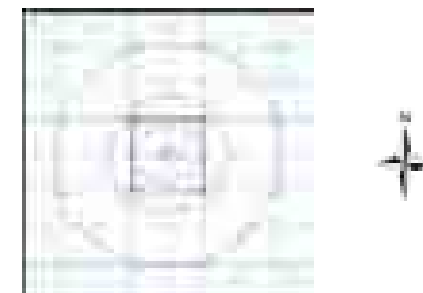
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 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk



Source Protection Zones



Site Sensitivity Context Map - Slice A



Order Details

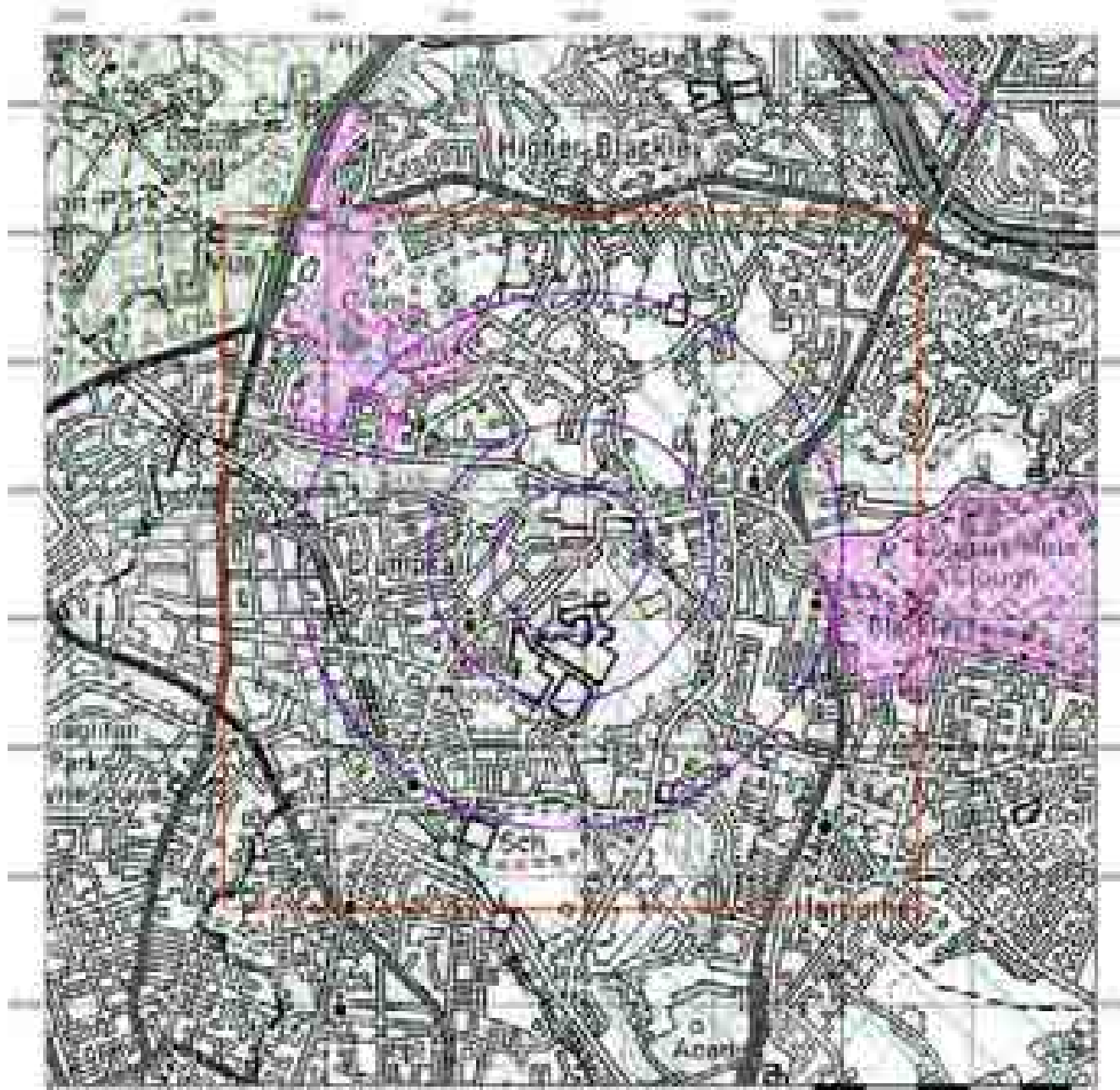
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Site Details

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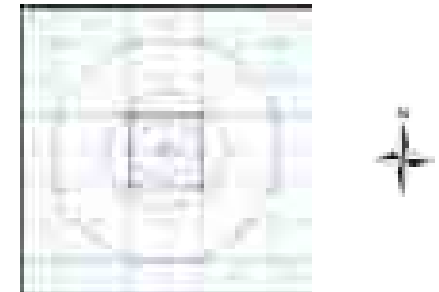
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 Fax: 0844 844 9951
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Sensitive Land Uses



Site Sensitivity Context Map - Slice A

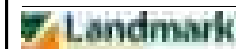


Order Details

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National Grid Reference:	384950, 402730
Slice:	A
Site Area (Ha):	0.38
Search Buffer (m):	1000

Site Details

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Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Quaternary - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	TILLD	Till, Devensian	Diamicton	Devensian - Devensian
	GFSDD	Glaciofluvial Sheet Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	GFICD	Glaciofluvial Ice Contact Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	HMGDD	Hummocky (Moundy) Glacial Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	GFDUD	Glaciofluvial Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	PEAT	Peat	Peat [Unlithified Deposits Coding Scheme]	Quaternary - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	CPB	Chester Pebble Beds Formation	Sandstone	Early Triassic - Early Triassic
	MM	Manchester Marls Formation	Mudstone	Late Permian - Late Permian
	CS	Collyhurst Sandstone Formation	Sandstone	Cisuralian - Cisuralian
	NHSS	Newton Heath Sandstone	Sandstone	Bolsovia - Bolsovia
	PMCM	Pennine Middle Coal Measures Formation	Mudstone, Siltstone and Sandstone	Bolsovia - Duckmantian
	BAR	Bardsley Rock	Sandstone	Duckmantian - Duckmantian
	HNC	Huncliffe Rock	Sandstone	Duckmantian - Duckmantian

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PLCM	Pennine Lower Coal Measures Formation	Mudstone, Siltstone and Sandstone	Langsettian - Langsettian
	CHBR	Chamber Rock	Sandstone	Duckmantian - Langsettian
		Faults		
		Rock Segments		



Geology 1:50,000 Maps

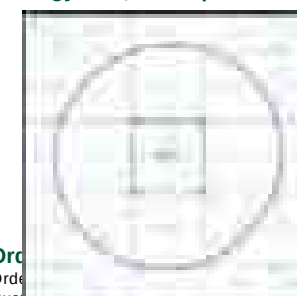
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	085
Map Name:	Manchester
Map Date:	2011
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



Order

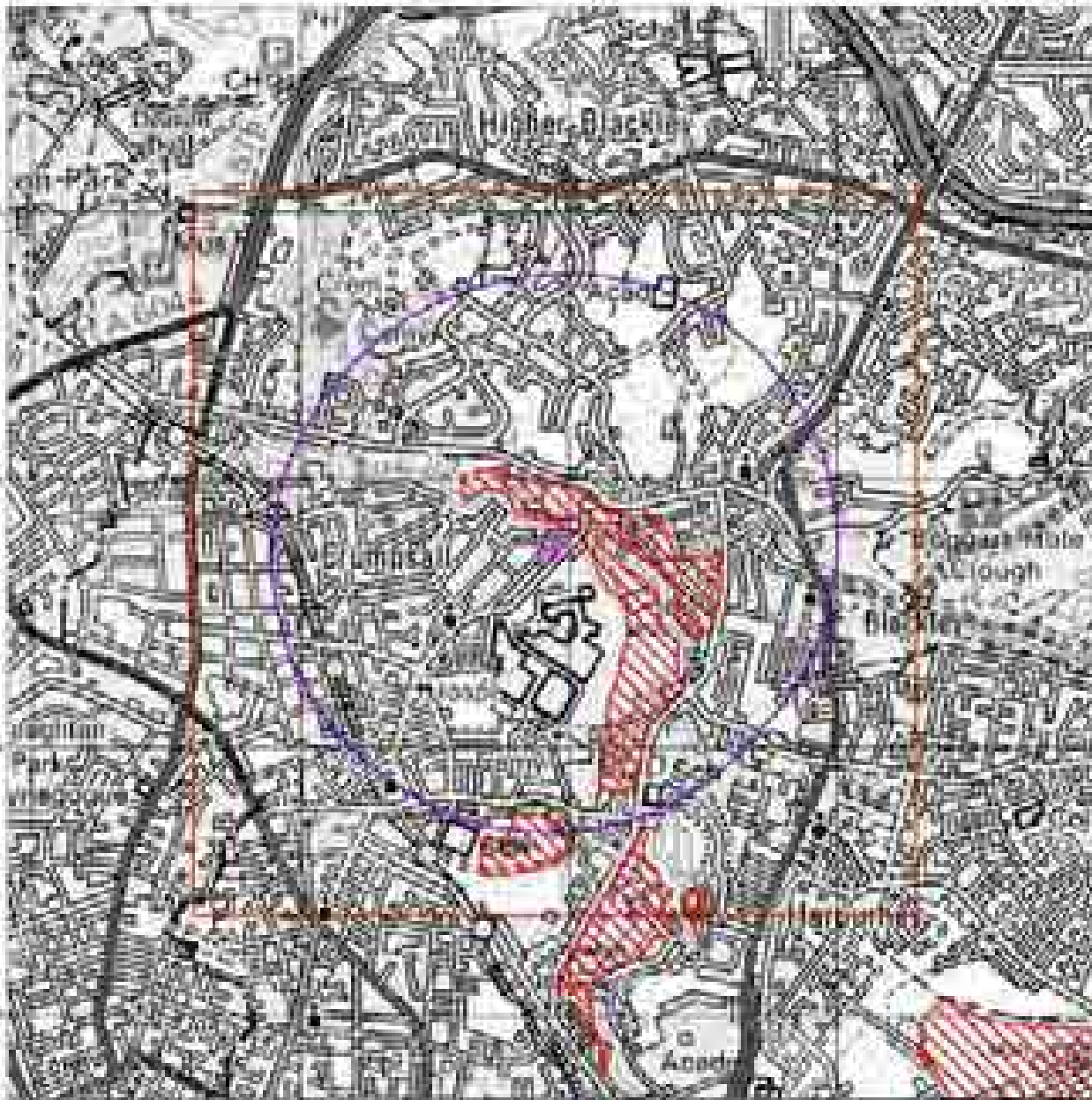
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National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details:

44 Parkhill Avenue, MANCHESTER, M8 4RA



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



Artificial Ground and Landslip

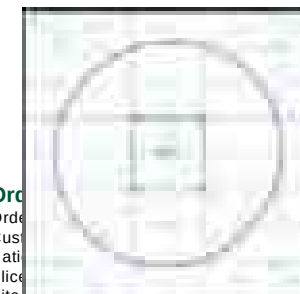
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



Order

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Nati

Slice

Site

Search

Buffer

(m):

1000

Site

Details:

44

Parkhill

Avenue,

MANCHESTER, M8 4RA



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



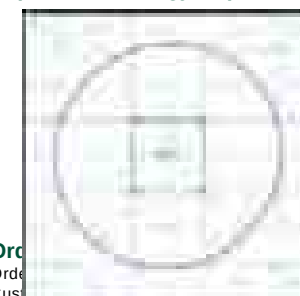
Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order
Order
Cust

National Grid Reference: 384950, 402730

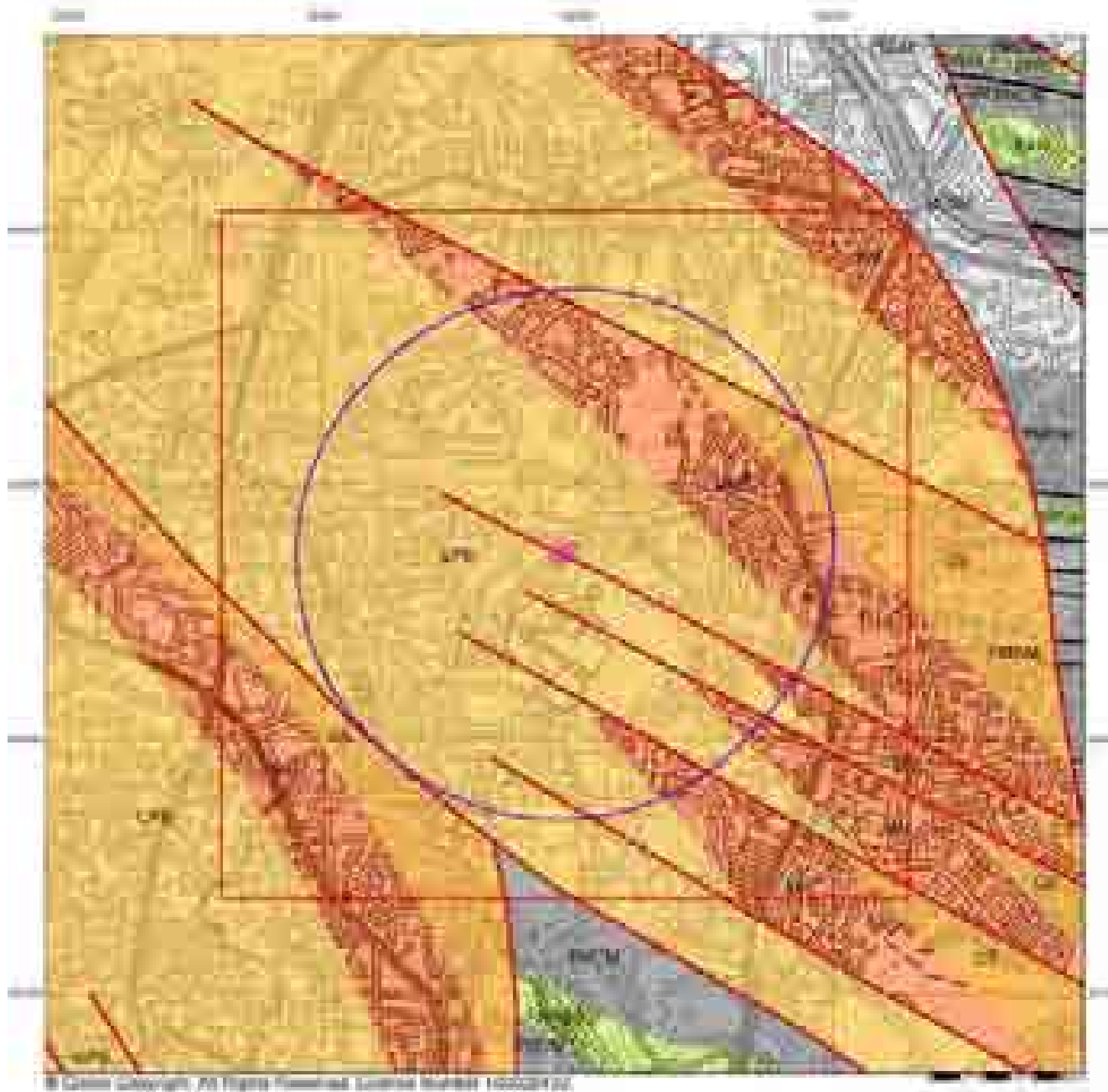
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details:

44 Parkhill Avenue, MANCHESTER, M8 4RA



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



Bedrock and Faults

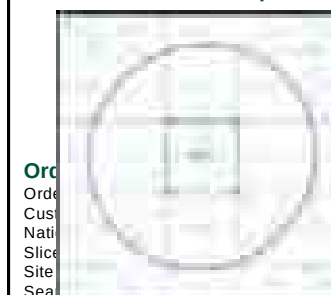
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

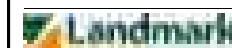
Bedrock and Faults Map - Slice A



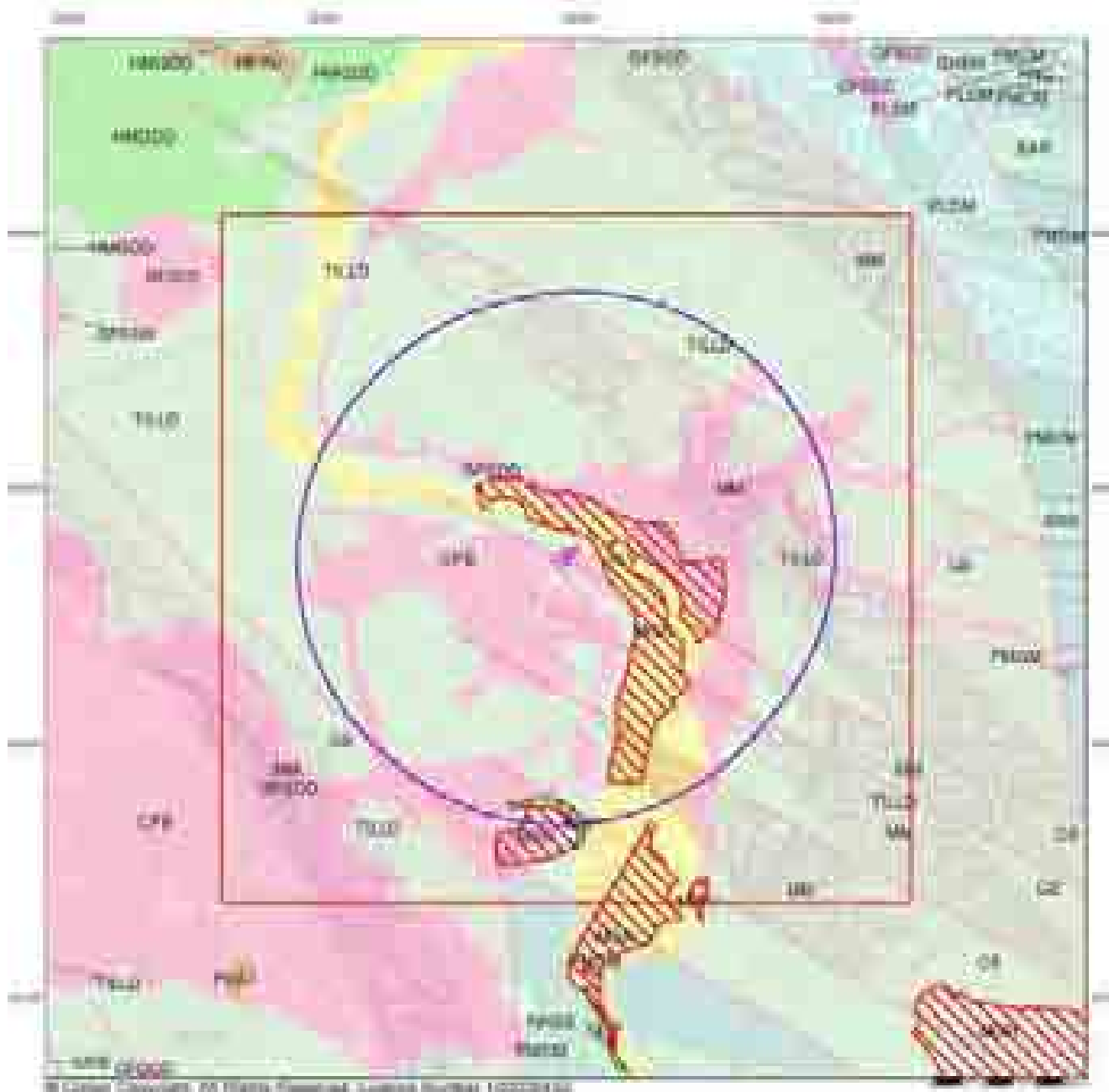
Order
Order
Cust
Nati
Slice
Site
Sea

Site Details:

44 Parkhill Avenue, MANCHESTER, M8 4RA



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



Combined Surface Geology

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

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

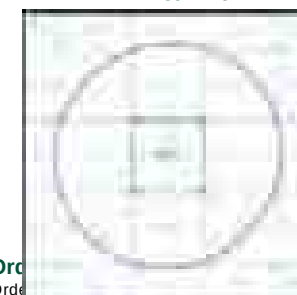
Additional Information

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

Contact

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

Combined Geology Map - Slice A

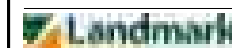


Order

Customer Reference: 26934LG
National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details:

44 Parkhill Avenue, MANCHESTER, M8 4RA



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



Order Number: 55193889_1_1
Customer Ref: 26934LG
National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38

44 Parkhill Avenue, MANCHESTER, M8 4RA



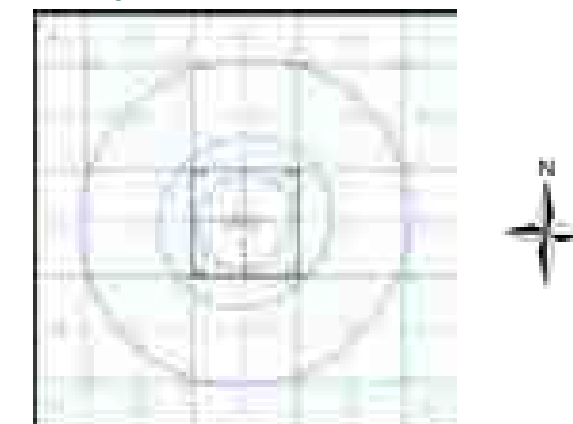
General

- Specified Site
- Specified Buffer (1)
- X 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: 55193889_1_1
 Customer Ref: 26934LG
 National Grid Reference: 384950, 402730
 Slice: A
 Site Area (Ha): 0.38
 Search Buffer (m): 1000

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA

General

- Specified Site
- Specified Buffer (m)
- Boiling Reference Point
- Map ID
- Selection of Type at Location

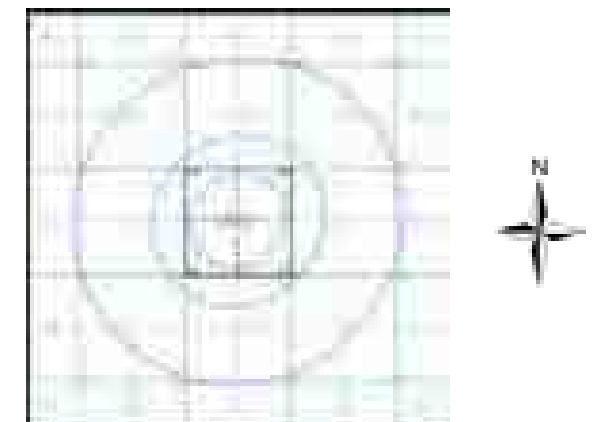
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Cumulative
- 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: 55193889_1_1
Customer Ref: 26934LG
National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA

General

- Specified Site
- Specified Boundary
- Bearing Reference Point
- Map ID

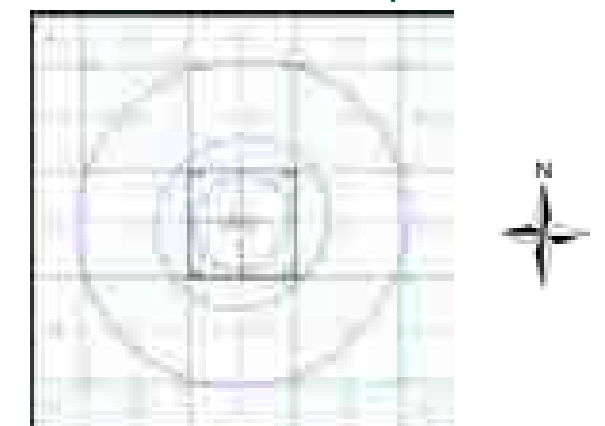
EA Detailed River Network Data

- | | |
|---------------------------|--------------------------------------|
| Primary River | Extended Culvert (greater than 50m) |
| Secondary River | Underground River (Inferred) |
| Tertiary River | Underground River (Social Knowledge) |
| Canal | Downstream of High Water Mark |
| Canal Tunnel | Downstream of Sewer Emission |
| Unfilled River | Not assigned River feature |
| Lake/Reservoir | |
| Off-site Drainage Feature | |

Contours (Height in metres)

- | | | | |
|------------------|--|----|-------------|
| Standard Contour | | 1m | Spot Height |
| Index Contour | | 1m | Air Height |

EA Detailed River Network Map - Slice A



Order Details

Order Number: 55193889_1_1
 Customer Ref: 26934LG
 National Grid Reference: 384950, 402730
 Slice: A
 Site Area (Ha): 0.38
 Search Buffer (m): 1000

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA

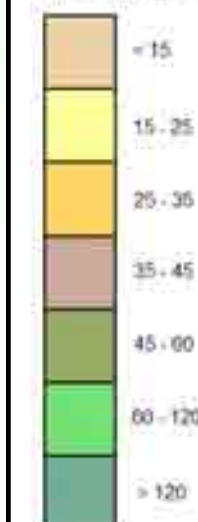


General

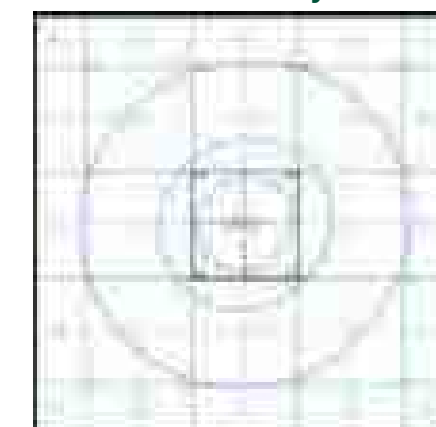
Selected Site Selected Buffer(s) Opening Research Plot

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A



Order Details

Order Details: 55193889_1_1
Customer Ref: 26934LG
National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details

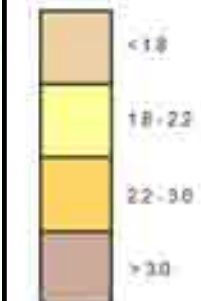
44 Parkhill Avenue, MANCHESTER, M8 4RA

General

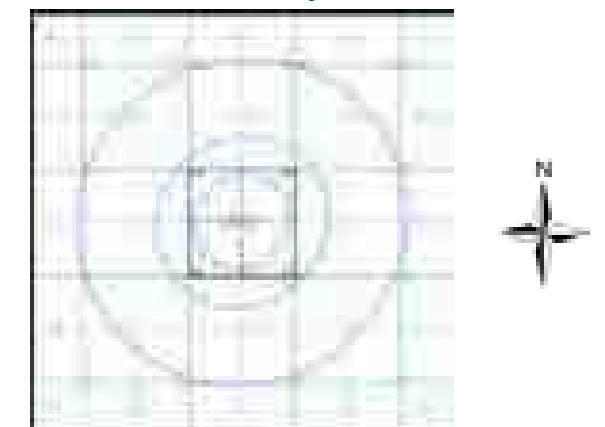
☒ Specified Site ☒ Specified Buffer(s) ☒ Showing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details: 55193889_1_1
Customer Ref: 26934LG
National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA

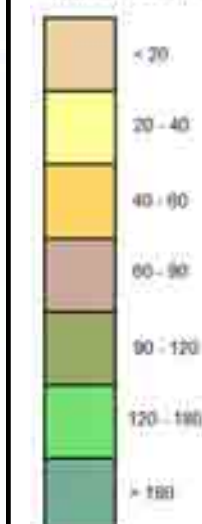


General

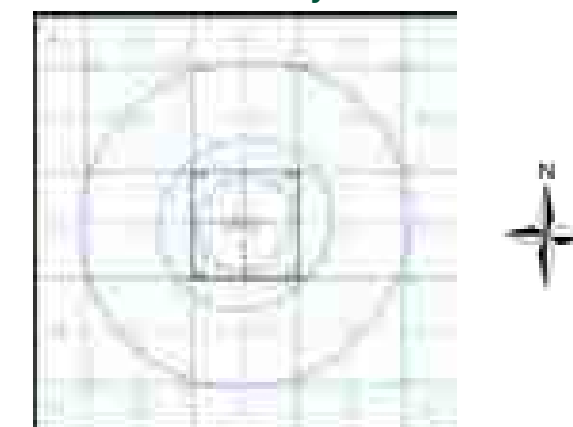
☒ Specified Site ☒ Specified Buffer(s) ☒ Existing Roadway(s)

Estimated Soil Chemistry Chromium

Chromium Concentrations (mg/kg)



Estimated Soil Chemistry Chromium - Slice A

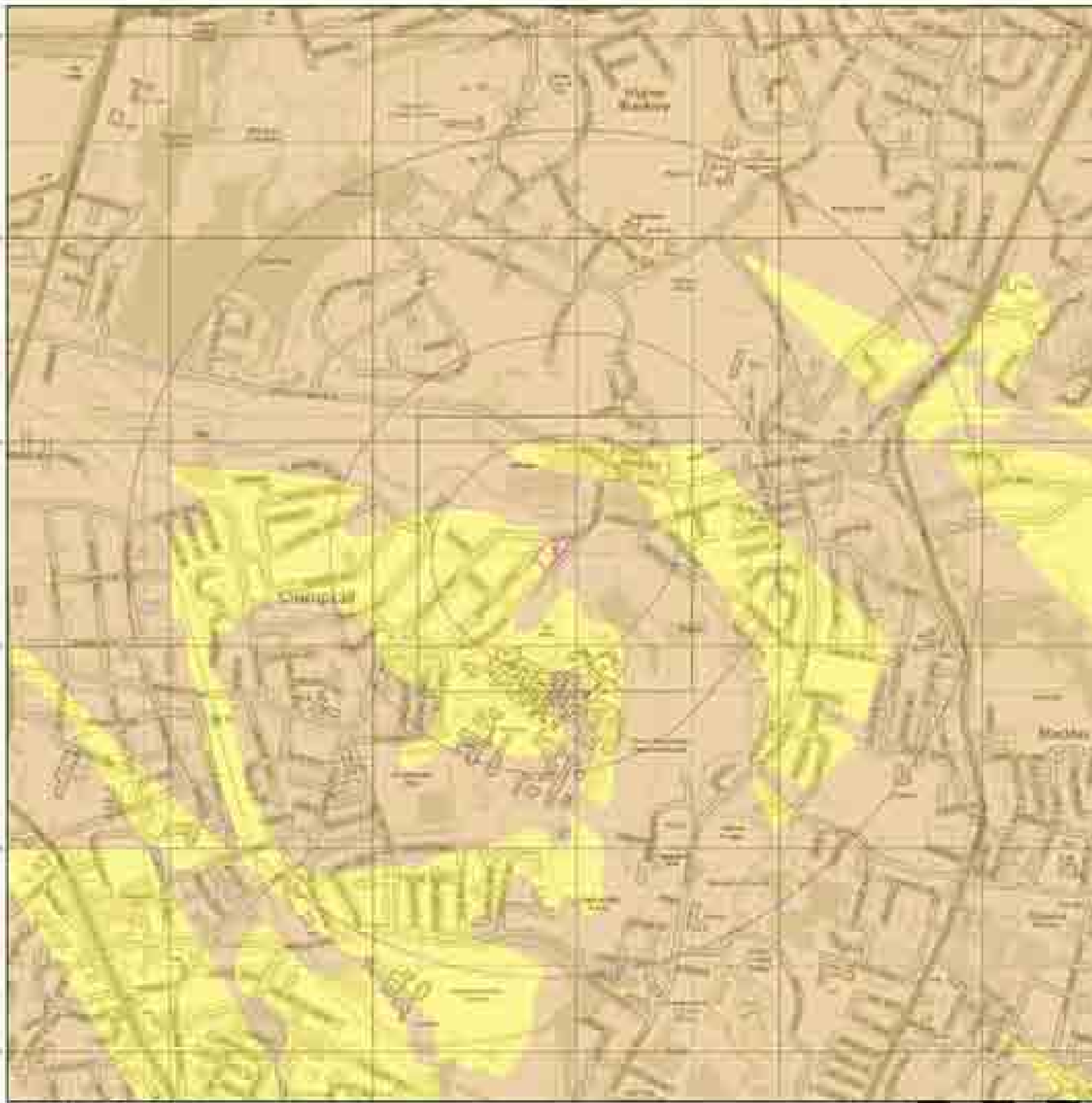


Order Details

Order Details: 55193889_1_1
Customer Ref: 26934LG
National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA

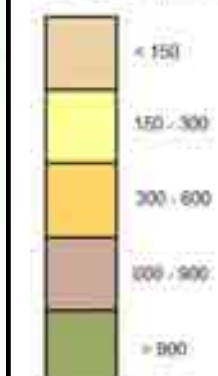


General

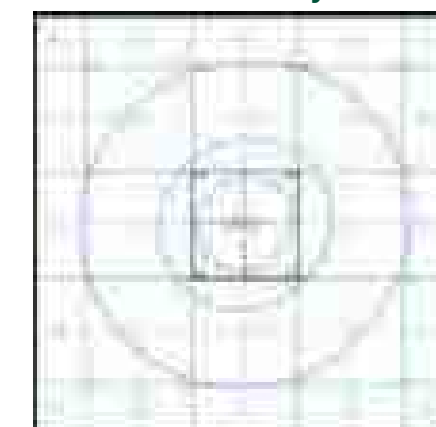
☒ Sampled Site ☐ Specified Buffer(s) ☒ Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A



Order Details

Order Details: 55193889_1_1
Customer Ref: 26934LG
National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA

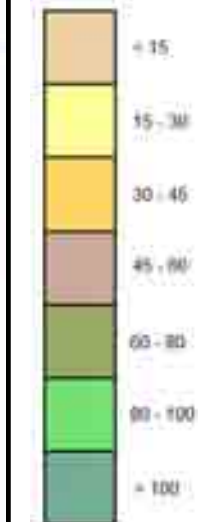


General

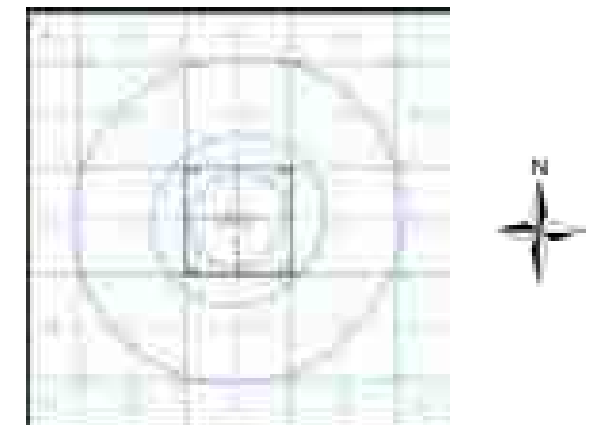
☒ Specified Site ☐ Specified Boundary ☒ Showing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details: 55193889_1_1
Customer Ref: 26934LG
National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA



Envirocheck[®] Report:

Historical Data Report Datasheet

Order Details:

Order Number:

55193889_1_1

Customer Reference:

26934LG

National Grid Reference:

384950, 402730

Slice:

A

Site Area (Ha):

0.38

Search Buffer (m):

1000

Site Details:

44 Parkhill Avenue

MANCHESTER

M8 4RA

Client Details:

MR W Baldwin

Sutcliffe Projects Ltd

18-20 Harrington Street

Liverpool

L2 9QA



Report Section	Page Number
Summary	-
Historical Building Plans Information	-
Historical Land Use Information	1
Historical Tanks and Energy Facilities	8
Historical Map List	9
Useful Contacts and Further Information	11

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 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 the attached 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 v47.0



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Historical Building Plans Information					
Areas Cleared Due To Enemy Action					
Above Ground Fuel Tanks (100m)				n/a	n/a
Asbestos (100m)				n/a	n/a
Benzene/Benzole/Naphtha, Naphthalene/Kerosene (100m)				n/a	n/a
Electricity Generation (100m)				n/a	n/a
Electricity Sub-Station (100m)				n/a	n/a
Gas Industry (100m)				n/a	n/a
Gas Storage (100m)				n/a	n/a
Gas Use (100m)				n/a	n/a
Oil Industry (100m)				n/a	n/a
Oil Storage (100m)				n/a	n/a
Oil Use (100m)				n/a	n/a
Paint based Oils (100m)				n/a	n/a
Paraffin (100m)				n/a	n/a
Petrol and Diesel Industry (100m)				n/a	n/a
Petrol and Diesel Storage (100m)				n/a	n/a
Petrol and Diesel Use (100m)				n/a	n/a
Potential Fuel Gas (100m)				n/a	n/a
Potential Fuel Oil (100m)				n/a	n/a
Potential Fuel Use (100m)				n/a	n/a
Potential Petrol and Diesel (100m)				n/a	n/a
Potential Tanks (100m)				n/a	n/a
Potentially Fuel-related Tanks (100m)				n/a	n/a
Underground Fuel Tanks (100m)				n/a	n/a
Historical Land Use Information					
Former Marshes					
Historical Flood Liabilities					
Potentially Contaminative Industrial Uses (Past Land Use)	pg 1		12	12	41
Potentially Infilled Land (Non-Water)	pg 4		1	4	10
Potentially Infilled Land (Water)	pg 4		10	10	39



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Historical Tanks and Energy Facilities					
Electrical Sub Station Facilities (100m)	pg 8		1	n/a	n/a
Electricity Industry Facilities (100m)				n/a	n/a
Gas Industry Facilities (100m)				n/a	n/a
Gas Monitoring Facilities (100m)				n/a	n/a
Miscellaneous Power Facilities (100m)				n/a	n/a
Oil Industry Facilities (100m)				n/a	n/a
Petroleum Storage Facilities (100m)				n/a	n/a
Potential Tanks (100m)				n/a	n/a
Tanks (100m)	pg 8		8	n/a	n/a



Historical Land Use Information

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1938 - 1956	A13SE (E)	6	1	384971 402726
2	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1894 - 1910	A13NE (N)	55	1	384963 402820
3	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1986	A13NE (N)	61	1	384961 402828
4	Potentially Contaminative Industrial Uses (Past Land Use) Use: Hospitals Date of Mapping: 1894 - 1986	A13SW (S)	94	1	384933 402590
5	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1910 - 1938	A13NE (NE)	107	1	385062 402856
6	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1894 - 1938	A13NE (N)	153	1	384986 402927
7	Potentially Contaminative Industrial Uses (Past Land Use) Use: Heap, unknown constituents Date of Mapping: 1956	A13SE (SE)	162	1	385054 402583
8	Potentially Contaminative Industrial Uses (Past Land Use) Use: Chemical manufacturing general Date of Mapping: 1894	A13SE (SE)	170	1	385121 402637
9	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1894	A13SE (E)	209	1	385202 402714
10	Potentially Contaminative Industrial Uses (Past Land Use) Use: Dyes & pigments [manufacture] Date of Mapping: 1848	A13NE (E)	213	1	385213 402786
11	Potentially Contaminative Industrial Uses (Past Land Use) Use: Chemical manufacturing general Date of Mapping: 1894	A13NE (NE)	215	1	385196 402859
12	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1848	A13NW (N)	239	1	384859 402983
13	Potentially Contaminative Industrial Uses (Past Land Use) Use: Dyes & pigments [manufacture] Date of Mapping: 1956	A13NW (NW)	286	1	384776 402994
14	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1938	A13NW (NW)	288	1	384768 402991
15	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1986	A13NW (NW)	292	1	384773 403000
16	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1894	A13NW (NW)	297	1	384753 402991
17	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1938 - 1990	A13NE (NE)	329	1	385252 402981
18	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1910	A13SE (SE)	333	1	385238 402536
19	Potentially Contaminative Industrial Uses (Past Land Use) Use: Sewage Date of Mapping: 1938	A13NW (NW)	336	1	384642 402935
20	Potentially Contaminative Industrial Uses (Past Land Use) Use: Sewage Date of Mapping: 1910	A13SE (SE)	342	1	385168 402442
21	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1956	A18SE (N)	421	1	384953 403186



Historical Land Use Information

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1894	A18SE (NE)	444	1	385138 403191
23	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1894 - 1910	A14SW (SE)	445	1	385367 402516
24	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1956	A18SE (N)	482	1	384979 403249
25	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1848 - 1956	A19SW (NE)	514	1	385300 403186
26	Potentially Contaminative Industrial Uses (Past Land Use) Use: Chemical manufacturing general Date of Mapping: 1848	A14SW (SE)	515	1	385406 402450
27	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1932 - 1956	A12NE (NW)	534	1	384470 403038
28	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1938 - 1956	A14NW (E)	582	1	385582 402811
29	Potentially Contaminative Industrial Uses (Past Land Use) Use: Printing: miscellaneous exc. newspapers Date of Mapping: 1848	A14NW (E)	591	1	385589 402826
30	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1956	A19SW (NE)	593	1	385476 403123
31	Potentially Contaminative Industrial Uses (Past Land Use) Use: Clay bricks & tiles [manufacture] Date of Mapping: 1894	A7NE (SW)	604	1	384584 402187
32	Potentially Contaminative Industrial Uses (Past Land Use) Use: Cemetery or Graveyard Date of Mapping: 1894 - 1986	A8NE (S)	628	1	384976 402058
33	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1894 - 1938	A9NW (SE)	678	1	385422 402220
34	Potentially Contaminative Industrial Uses (Past Land Use) Use: Metal casting/foundries Date of Mapping: 1894	A19SW (NE)	689	1	385503 403240
35	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1938 - 1956	A8SE (S)	690	1	385171 402038
36	Potentially Contaminative Industrial Uses (Past Land Use) Use: Machinery: engines, building and general industrial [manufacture] Date of Mapping: 1910	A19SW (NE)	704	1	385571 403182
37	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1990	A14NE (E)	708	1	385689 402934
38	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1956	A19SW (NE)	717	1	385458 403321
39	Potentially Contaminative Industrial Uses (Past Land Use) Use: Coal storage and depot Date of Mapping: 1932 - 1956	A12SW (W)	720	1	384190 402563
40	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1848	A12SW (W)	745	1	384184 402488
41	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1894 - 1956	A12SW (W)	780	1	384121 402608
42	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1990	A9NW (SE)	791	1	385467 402105



Historical Land Use Information

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
43	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1932 - 1986	A12NW (W)	808	1	384128 402972
44	Potentially Contaminative Industrial Uses (Past Land Use) Use: Printing: miscellaneous exc. newspapers Date of Mapping: 1894	A12NW (W)	812	1	384126 402978
45	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1932	A17SE (NW)	833	1	384294 403291
46	Potentially Contaminative Industrial Uses (Past Land Use) Use: Refuse disposal Date of Mapping: 1938	A14SE (E)	835	1	385756 402412
47	Potentially Contaminative Industrial Uses (Past Land Use) Use: Dyes & pigments [manufacture] Date of Mapping: 1894 - 1956	A17SE (NW)	837	1	384301 403305
48	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1938 - 1956	A14NE (E)	844	1	385806 403021
49	Potentially Contaminative Industrial Uses (Past Land Use) Use: Heap, unknown constituents Date of Mapping: 1910	A9NE (SE)	845	1	385639 402215
50	Potentially Contaminative Industrial Uses (Past Land Use) Use: Railways Date of Mapping: 1894 - 1986	A12SW (W)	856	1	384069 402483
51	Potentially Contaminative Industrial Uses (Past Land Use) Use: Dyes & pigments [manufacture] Date of Mapping: 1894	A9SW (SE)	862	1	385491 402031
52	Potentially Contaminative Industrial Uses (Past Land Use) Use: Chemical manufacturing general Date of Mapping: 1848	A17SE (NW)	870	1	384328 403381
53	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1956	A9SW (SE)	892	1	385452 401963
54	Potentially Contaminative Industrial Uses (Past Land Use) Use: Heap, unknown constituents Date of Mapping: 1938	A8SW (S)	921	1	384802 401771
55	Potentially Contaminative Industrial Uses (Past Land Use) Use: Heap, unknown constituents Date of Mapping: 1956	A8SW (S)	925	1	384880 401760
56	Potentially Contaminative Industrial Uses (Past Land Use) Use: Heap, unknown constituents Date of Mapping: 1956	A18NE (N)	927	1	385033 403694
57	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1894	A19SE (E)	959	1	385900 403102
57	Potentially Contaminative Industrial Uses (Past Land Use) Use: Chemical manufacturing general Date of Mapping: 1848	A19SE (E)	966	1	385909 403096
57	Potentially Contaminative Industrial Uses (Past Land Use) Use: Factory or works - use not specified Date of Mapping: 1938	A19SE (E)	984	1	385923 403112
58	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1956	A19NE (NE)	963	1	385624 403503
59	Potentially Contaminative Industrial Uses (Past Land Use) Use: Heap, unknown constituents Date of Mapping: 1910	A19SE (NE)	975	1	385892 403164
60	Potentially Contaminative Industrial Uses (Past Land Use) Use: Heap, unknown constituents Date of Mapping: 1956	A9NE (SE)	981	1	385735 402119
61	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1956	A19NE (NE)	990	1	385717 403452



Historical Land Use Information

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	Potentially Contaminative Industrial Uses (Past Land Use) Use: Quarrying of sand & clay, operation of sand & gravel pits Date of Mapping: 1956	A19SE (E)	992	1	385943 403080
63	Potentially Contaminative Industrial Uses (Past Land Use) Use: Road haulage Date of Mapping: 1990	A9NE (SE)	992	1	385771 402143
64	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1986	A13NW (N)	239	1	384859 402983
65	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A13SE (SE)	333	1	385238 402536
66	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1986	A18SE (N)	421	1	384953 403186
67	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A18SE (NE)	444	1	385138 403191
68	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1986	A18SE (N)	482	1	384979 403249
69	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1986	A12NE (NW)	534	1	384470 403038
70	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19SW (NE)	593	1	385476 403123
71	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A14NW (E)	600	1	385598 402828
72	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1986	A7NE (SW)	604	1	384584 402187
73	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19SW (NE)	717	1	385458 403321
74	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1986	A12SW (W)	745	1	384184 402488
75	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1986	A17SE (NW)	833	1	384294 403291
76	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19NE (NE)	963	1	385624 403503
77	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19NE (NE)	990	1	385717 403452
78	Potentially Infilled Land (Non-Water) Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1990	A19SE (E)	992	1	385943 403080
79	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (SE)	24	1	384973 402700
80	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (SE)	25	1	384973 402694
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (E)	25	1	384990 402719
82	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SW (S)	26	1	384946 402666



Historical Land Use Information

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13NE (NE)	73	1	385037 402832
84	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (E)	91	1	385076 402718
85	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (N)	100	1	384983 402872
86	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (NW)	111	1	384886 402855
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NE (N)	132	1	385011 402900
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13SE (S)	249	1	385044 402464
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A13NW (NW)	294	1	384739 402977
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A13NW (N)	310	1	384874 403061
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A18SE (N)	359	1	385048 403124
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14SW (E)	366	1	385340 402630
93	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (NE)	404	1	385194 403123
94	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A12NE (W)	428	1	384473 402787
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A18SW (N)	438	1	384792 403170
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SE (SW)	463	1	384470 402527
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A14NW (NE)	480	1	385413 403014
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	481	1	385329 403120
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A19SW (NE)	556	1	385294 403241
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (NE)	559	1	385199 403291
101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A14NW (E)	563	1	385564 402772
102	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14SW (E)	573	1	385538 402564
103	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18SE (NE)	576	1	385202 403308



Historical Land Use Information

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SW (S)	653	1	384811 402041
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8NW (SW)	672	1	384623 402085
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SE (NW)	683	1	384444 403232
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17SE (NW)	722	1	384348 403186
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A19NW (NE)	725	1	385305 403426
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A19SW (NE)	727	1	385486 403309
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7NE (SW)	753	1	384273 402287
111	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12SW (W)	772	1	384135 402570
112	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A8SW (S)	793	1	384752 401910
113	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A9NE (SE)	795	1	385651 402312
114	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17NE (NW)	800	1	384539 403451
115	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A8SE (S)	814	1	384979 401871
116	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A19NW (NE)	817	1	385344 403510
117	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A9NW (SE)	829	1	385529 402113
118	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17NE (NW)	842	1	384452 403446
119	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SW (NW)	861	1	384258 403293
120	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NE (N)	861	1	385124 403620
121	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NW (W)	867	1	384053 402922
122	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17NE (NW)	873	1	384348 403403
123	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17SE (NW)	880	1	384292 403360
124	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A18NW (N)	899	1	384777 403642



Historical Land Use Information

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
125	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A12NW (W)	903	1	384019 402939
126	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A19SE (NE)	903	1	385838 403108
127	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A18NW (N)	907	1	384671 403624
128	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7SE (SW)	916	1	384308 402009
129	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A17NE (NW)	924	1	384274 403403
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A17NE (NW)	936	1	384441 403551
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7NW (SW)	939	1	384128 402170
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A14NE (E)	941	1	385939 402843
133	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A18NE (N)	969	1	385219 403713
134	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A19NW (NE)	981	1	385364 403680
135	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1956	A19SE (NE)	994	1	385924 403137
136	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A19NE (NE)	998	1	385625 403548
137	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1848	A7NW (SW)	999	1	383973 402328



Historical Tanks and Energy Facilities

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	Electrical Sub Station Facilities Scale of Mapping: 1:1,250 Date of Mapping: 1973	A13NE (NE)	13	1	384994 402780
139	Tanks Scale of Mapping: 1:2,500 Date of Mapping: 1953 - 1970	A13NE (E)	52	1	385049 402750
139	Tanks Scale of Mapping: 1:1,250 Date of Mapping: 1952	A13NE (E)	52	1	385049 402751
139	Tanks Scale of Mapping: 1:1,250 Date of Mapping: 1952	A13SE (E)	82	1	385069 402724
139	Tanks Scale of Mapping: 1:2,500 Date of Mapping: 1953 - 1970	A13SE (E)	84	1	385070 402721
139	Tanks Scale of Mapping: 1:2,500 Date of Mapping: 1953	A13NE (E)	93	1	385092 402751
139	Tanks Scale of Mapping: 1:1,250 Date of Mapping: 1952	A13NE (E)	93	1	385093 402753
140	Tanks Scale of Mapping: 1:1,250 Date of Mapping: 1973	A13NE (N)	62	1	384972 402826
140	Tanks Scale of Mapping: 1:1,250 Date of Mapping: 1973	A13NE (NE)	62	1	384996 402831



Historical Map List

No Historical Building Plans information available.

The following mapping has been analysed for Historical Land Use Information:

1:10,560	Mapsheets	Published Date
Lancashire And Furness	096_00	1848
Lancashire And Furness	104_00	1848
Cheshire	003A_00	1882
Lancashire And Furness	096_SE	1894
Lancashire And Furness	096_SW	1894
Lancashire And Furness	104_NE	1894
Lancashire And Furness	104_NW	1895
Lancashire And Furness	104_NE	1909
Lancashire And Furness	104_NW	1909
Lancashire And Furness	096_SE	1910
Lancashire And Furness	096_SW	1910
Lancashire And Furness	104_NE	1923
Lancashire And Furness	104_NW	1923
Lancashire And Furness	096_SW	1932
Lancashire And Furness	096_SE	1938
Ordnance Survey Plan	SD80SE	1956
Ordnance Survey Plan	SD80SW	1956
1:10,000	Mapsheets	Published Date
Ordnance Survey Plan	SD80SW	1986
Ordnance Survey Plan	SD80SE	1990



Historical Map List

The following mapping has been analysed for Historical Tanks and Energy Facilities:

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SD8403	1952
Ordnance Survey Plan	SD8503	1952
Ordnance Survey Plan	SD8402	1953
Ordnance Survey Plan	SD8502	1953
Ordnance Survey Plan	SD8403	1956
Ordnance Survey Plan	SD8403	1967
Ordnance Survey Plan	SD8503	1967
Ordnance Survey Plan	SD8402	1970
Ordnance Survey Plan	SD8502	1970
1:1,250	Mapsheet	Published Date
Ordnance Survey Plan	SD8503SW	1951
Ordnance Survey Plan	SD8402NE	1952
Ordnance Survey Plan	SD8402SE	1952
Ordnance Survey Plan	SD8403SE	1952
Ordnance Survey Plan	SD8502NW	1952
Ordnance Survey Plan	SD8502SW	1952
Ordnance Survey Plan	SD8403SE	1955
Ordnance Survey Plan	SD8503SW	1955
Ordnance Survey Plan	SD8503SW	1963
Ordnance Survey Plan	SD8403SE	1964
Ordnance Survey Plan	SD8402NE	1973
Ordnance Survey Plan	SD8402SE	1973
Ordnance Survey Plan	SD8502SW	1983
Ordnance Survey Plan	SD8502NW	1989



Useful Contacts and Further Information

Contact	Name and Address	Contact Details
1	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk

Historical Building Plans Information

This data set contains potentially contaminative features such as asbestos, petrol, oil and tanks captured from Historical Building Plans. The Historical Building Plans were produced by the London-based firm Charles E. Goad Ltd. as fire insurance plans, dating back to 1885. The firm ceased production of fire insurance plans in 1970. Most of the important towns and cities of the British Isles are covered. Historical Building Plans are usually at the scales of 1:480 (1 inch to 40 feet) for the British Isles. They were updated every 5-6 years by means of revision sheets designed to be pasted on to the original plans.

It should be noted that Historical Building Plans are only available for certain major towns and cities and in some cases there may only be partial coverage of the search area. It cannot therefore be assumed that the absence of responses under the Historical Building Plans section of this report indicates that no hazards exist. Please check the Historical Building Plans Map List table in the Historical Map List section of this report to establish if Historical Building Plans are available for this search area.

Historical Land Use Information

Landmark's Historical Land Use Data is the result of combined analysis of historical map data captured at 1:10,560 and 1:10,000. A unique comprehensive database of Historic Land Use from the 1840's to 1996 it includes 67 different types of potentially contaminated past industrial land use. This entailed analysing over 60,000 maps and is drawn from at least four, and up to six historical map editions. In addition a seventh layer was also created, known as the land use layer, containing areas of infilled land which are plotted via comparison between two or more map editions.

Historical Tanks and Energy Facilities

In addition to HLU, additional analysis uncovered some of the most dangerous sources of contamination (past and present tanks, petrol storage, oil, gas, electricity, miscellaneous facilities). This data set covers over 390,000 Historical Tanks and Energy facilities in Great Britain and was captured from post war 1:2500 and 1:1250 Ordnance Survey historical mapping covering a period from 1943 to 1996.

General

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

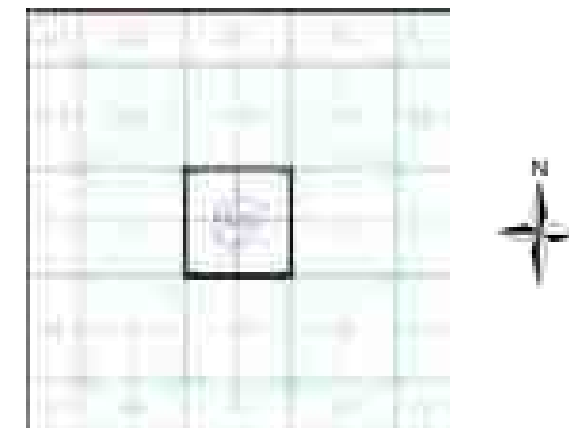
Historical Building Plans

- Area Cleared due to Entry Action
- Autobrick
- Above Ground Fuel Tanks
- Benzene/Benzene/Regioisomers
- Rock/Stone Generation
- Electricity Sub-Station
- Gas Industry
- Gas Storage
- Gas Use
- Oil Industry
- Oil Storage
- Oil Use
- Paint based Oil
- Flare/Flm
- Hot Oil and Diesel Industry
- Hot Oil and Diesel Storage
- Hot Oil and Diesel Use
- Potential Fuel Gas
- Potential Fuel Oil
- Potential Fuel Use
- Potential Petrol and Diesel
- Potential Tanks
- Potentially Fuel-related Tanks
- Underground Fuel Tanks

Historical Tanks and Energy Facilities

- Electric Sub-Station Facility
- Electricity Industry Facility
- Oil Industry Facility
- Oil Refining Facility
- Miscellaneous Power Facility
- Oil Industry Facility
- Petroleum Storage Facility
- Potential Tank
- Tank

Historical Data Report - Segment A13



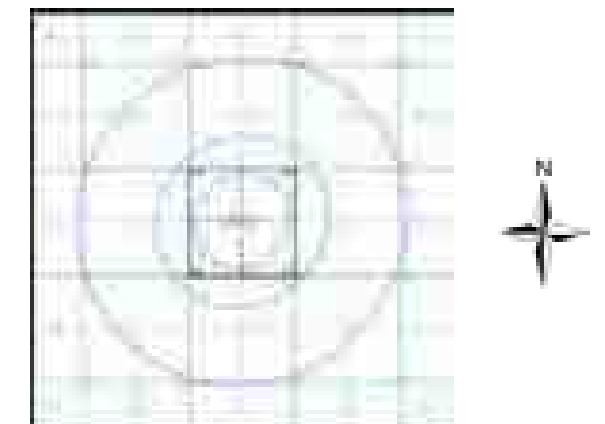
Order Details

Order Number: 55193889_1_1
 Customer Ref: 26934LG
 National Grid Reference: 384950, 402730
 Slice: A
 Site Area (Ha): 0.38
 Plot Buffer (m): 100

Site Details
 44 Parkhill Avenue, MANCHESTER, M8 4RA

- General**
- Specified Site
 - Specified Buffer(s)
 - Draining Reference Point
 - Map ID
 - Several Types at Location
- Historical Building Plans**
- Area Cleared due to Enemy Action
- Historical Land Use**
- Former Marsh
 - Historical Flood Liability
 - Historical Flood Liability (Location)
 - Potentially Contaminative Industrial Use (Past Land Use)
 - Potentially Contaminative Industrial Use (Past Land Use (Current))
 - Potentially Contaminative Industrial Use (Past Land Use (Location))
 - Potentially Infilled Land (Non-Water)
 - Potentially Infilled Land (Non-Water) (Current)
 - Potentially Infilled Land (Non-Water) (Location)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water) (Current)
 - Potentially Infilled Land (Water) (Location)

Historical Data Report - Slice Map A



Order Details

Order Number: 55193889_1_1
Customer Ref: 26934LG
National Grid Reference: 384950, 402730
Slice: A
Site Area (Ha): 0.38
Search Buffer (m): 1000

Site Details

44 Parkhill Avenue, MANCHESTER, M8 4RA

Annex C: Coal Mining Report



Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

**LANDMARK INFORMATION GROUP
LIMITED
SOWTON INDUSTRIAL ESTATE
ABBEY COURT
UNIT 5/7 EAGLE WAY
EXETER
DEVON
EX2 7HY**

Our reference: **51000511884001**
Your reference: **55193889_2|**
Date of your enquiry: **10 April 2014**
Date we received your enquiry: **10 April 2014**
Date of issue: **10 April 2014**

This report is for the property described in the address below and the attached plan.

Non-Residential Coal Authority Mining Report

44 PARKHILL AVENUE, GREATER MANCHESTER,

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	See comments below
Brine Compensation District	No

Information from the Coal Authority

Underground coal mining

Past

According to the records in our possession, the property is not within the zone of likely physical influence on the surface from past underground workings.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

Coal mining geology

The Authority is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been affected by coal mining.

Opencast coal mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

Coal mining subsidence

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

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

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

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

The property has not been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

Withdrawal of support

The property is not in an area for which a notice of entitlement to withdraw support has been published.

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

Working facilities orders

The property is not in an area for which an Order has been made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

Payments to owners of former copyhold land

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

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional Remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our database right. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

Location map



Approximate position
of property



Enquiry boundary

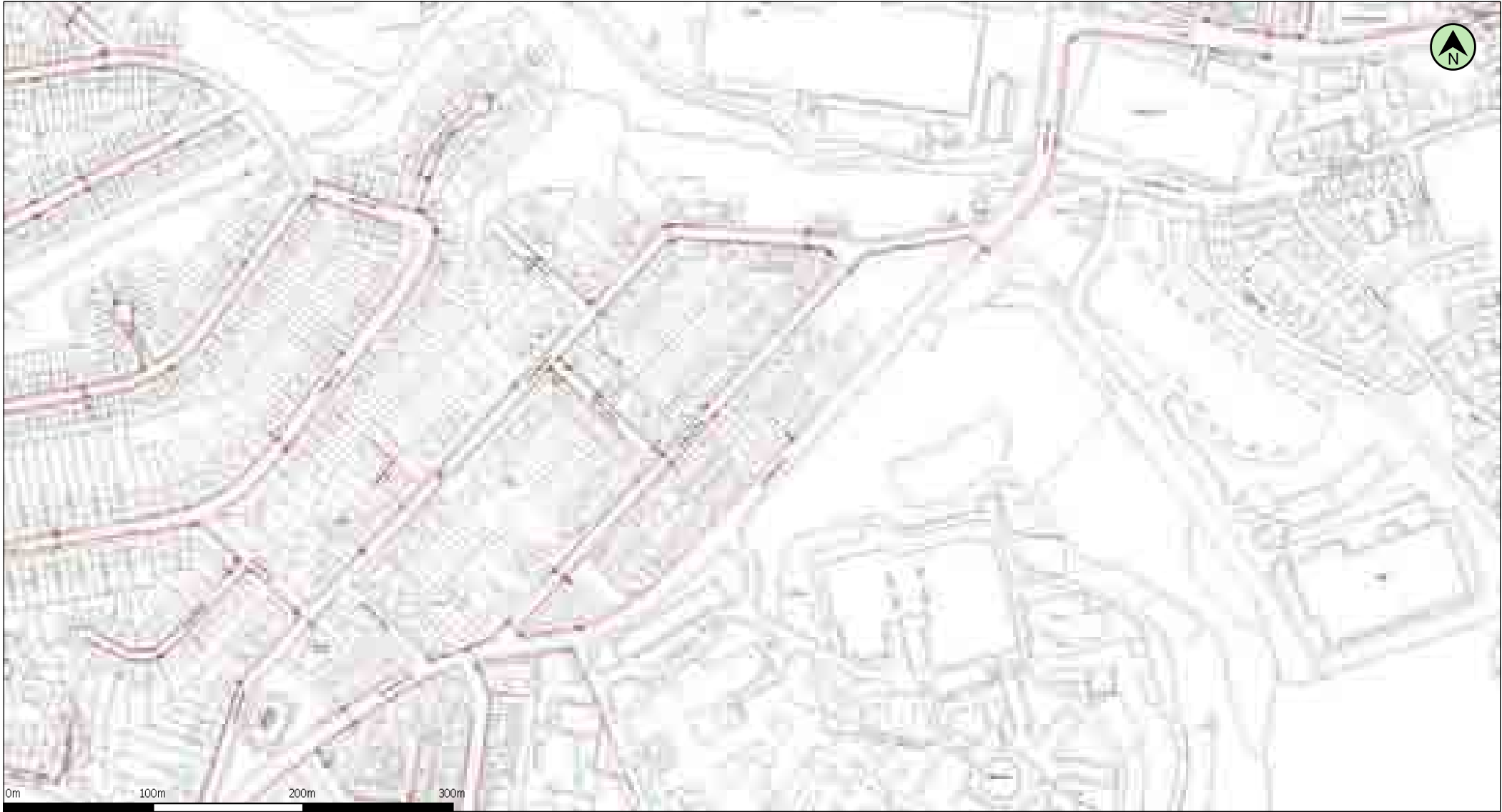
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Key

Approximate position of enquiry
boundary shown



Appendix D: Services



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Date: 02/05/14

Scale: 1:3611

Map Centre: 384857,402655

Data updated: 23/02/14

Telecoms Plan A4

Important Information - please read

The purpose of this plan is to identify Virgin Media apparatus. We have tried to make it as accurate as possible but we cannot warrant its accuracy. In addition, we caution that within Virgin Media apparatus there may be instances where mains voltage power cables have been placed inside green, rather than black ducting. Further details can be found using the 'Affected Postcodes.pdf', which can be downloaded from this website.

Therefore, you must not rely solely on this plan if you are carrying out any excavation or other works in the vicinity of Virgin Media apparatus. The actual position of any underground service must be verified by cable detection equipment, etc. and established on site before any mechanical plant is used. Accordingly, unless it is due to the negligence of Virgin Media, its employees or agents, Virgin Media will not have any liability for any omissions or inaccuracies in the plan or for any loss or damage caused or arising from the use of and/or any reliance on this plan.

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Duct, Trench



Chamber



Cabinet



gailalison.whelan@virginmedia.co.uk

M8 4RA





Sutcliffe Projects Ltd

**18 & 20 Harrington Street
Liverpool
Merseyside
L2 9QA**

FAO:

United Utilities Water PLC

Property Searches
Ground Floor Grasmere House
Lingley Mere Business Park
Great Sankey
Warrington
WA5 3LP

DX 715568 Warrington
Telephone 0870 751 0101

Fax Number 0870 7510102

Property.searches@uuplc.co.uk

Your Ref: LG26934
Our Ref: 14/ 1013558
Date: 16/04/2014

Dear Sirs

Location: PARKHILL AVENUE MANCHESTER M8 4GY

I acknowledge with thanks your request dated 15/04/14 for information on the location of our services.

Please find enclosed plans showing the approximate position of our apparatus known to be in the vicinity of this site.

I attach General Condition Information sheets, which details contact numbers for additional services (i.e. new supplies, connections, diversions) which we are unable to deal with at this office. In addition you should ensure they are made available to anyone carrying out any works which may affect our apparatus.

I trust the above meets with your requirements and look forward to hearing from you should you need anything further.

If you have any queries regarding this matter please telephone us on 0870 7510101.

Yours Faithfully,

A handwritten signature in blue ink, appearing to read 'S McManus'.

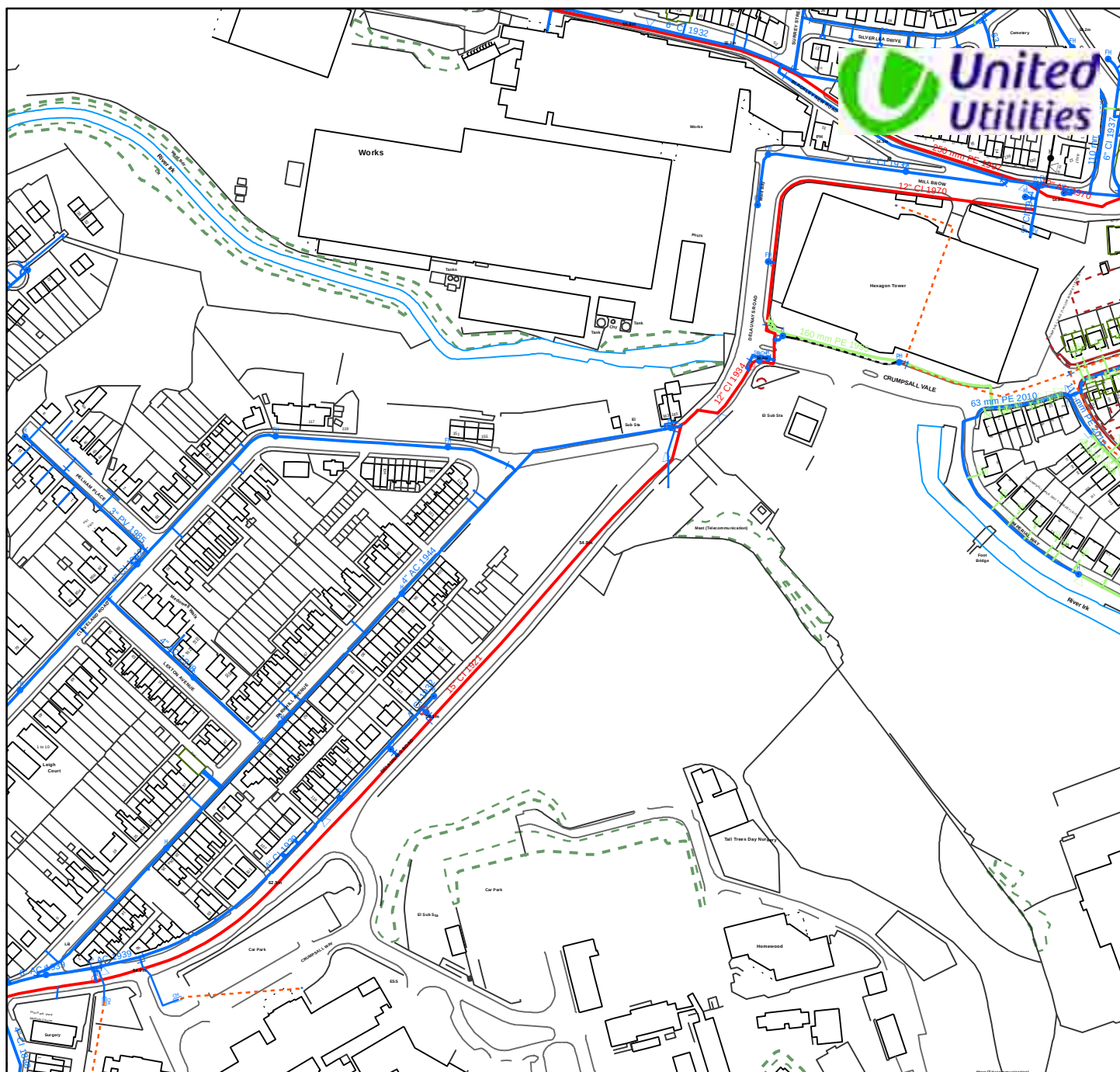
Sue McManus
Operations Manager
Property Searches

TERMS AND CONDITIONS - WASTERWATER & WATER DISTRIBUTION PLANS

These provisions apply to the public sewerage, water distribution and telemetry systems (including sewers which are the subject of an agreement under Section 104 of the Water Industry Act 1991 and mains installed in accordance with the agreement for the self construction of water mains) (UW apparatus) of United Utilities Water PLC ("UW").

TERMS AND CONDITIONS:

1. This Map and any information supplied with it is issued subject to the provisions contained below, to the exclusion of all others and no party relies upon any representation, warranty, collateral contract or other assurance of any person (whether party to this agreement or not) that is not set out in this agreement or the documents referred to in it.
2. This Map and any information supplied with it is provided for general guidance only and no representation, undertaking or warranty as to its accuracy, completeness or being up to date is given or implied.
3. In particular, the position and depth of any UW apparatus shown on the Map are approximate only. UW strongly recommends that a comprehensive survey is undertaken in addition to reviewing this Map to determine and ensure the precise location of any UW apparatus. The exact location, positions and depths should be obtained by excavation trial holes.
4. The location and position of private drains, private sewers and service pipes to properties are not normally shown on this Map but their presence must be anticipated and accounted for and you are strongly advised to carry out your own further enquiries and investigations in order to locate the same.
5. The position and depth of UW apparatus is subject to change and therefore this Map is issued subject to any removal or change in location of the same. The onus is entirely upon you to confirm whether any changes to the Map have been made subsequent to issue and prior to any works being carried out.
6. This Map and any information shown on it or provided with it must not be relied upon in the event of any development, construction or other works (including but not limited to any excavations) in the vicinity of UW apparatus or for the purpose of determining the suitability of a point of connection to the sewerage or other distribution systems.
7. No person or legal entity, including any company shall be relieved from any liability howsoever and whensoever arising for any damage caused to UW apparatus by reason of the actual position and/or depths of UW apparatus being different from those shown on the Map and any information supplied with it.



Printed By : Hazel Kay

Date: 16/04/2014

Extract from Map Of Water Mains

Parkhill Avenue Manchester

LEGEND

Live	Proposed	
		Distribution Main
		Trunk Main
		Raw Water Aqueduct
		LDTM Raw Water Distribution
		LDTM Treated Water Distribution

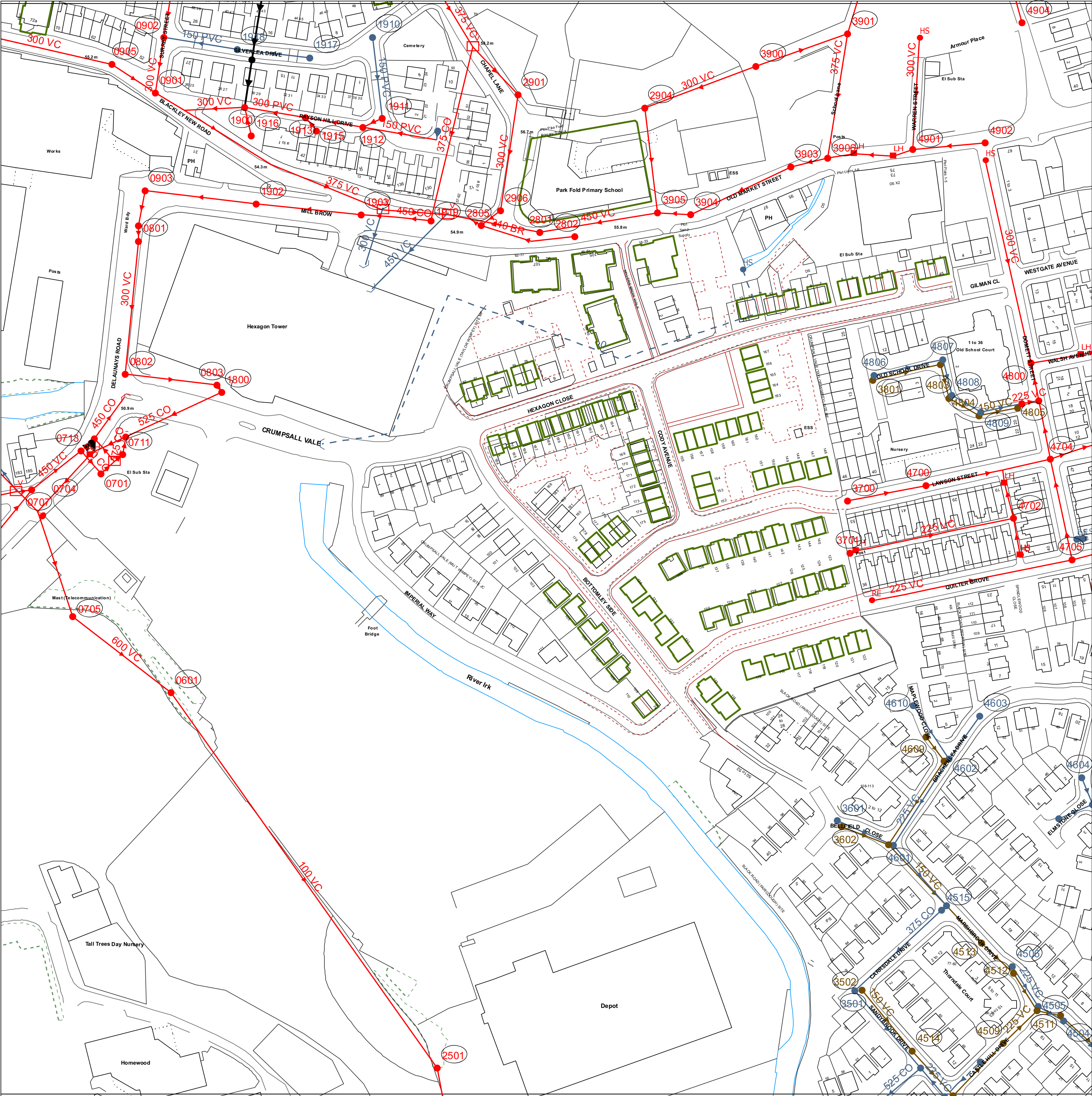
ABANDONED PIPE

	Distribution Main
	Trunk Main
	Raw Water Aqueduct
	LDTM Raw Water Distribution
	LDTM Treated Water Distribution
	Proposed

The position of underground apparatus shown on this plan is approximate only and is given in accordance with the best information currently available. The actual positions may be different from those shown on the plan and private service pipes may be shown by a blue broken line. United Utilities will not accept any liability for any damage caused by the actual positions being different from those shown.

United Utilities 2001.

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Reho	Cover	Func	Invert	Size	Shape	Mat	Length	Grid
0501	51.37	CO	48.15	600	CI	CO	8.12	0
0701	52.67	CO	0	600	CI	VC	50.6	17
0705		CO						
0707	52.85	CO						
0711	51.07	CO						
0713	51.49	CO						
0800	49.92	CO	46.97	300	CI	VC	7	0
0801	48.82	CO						
0802	50.49	CO						
0803	49.8	CO						
0804	51.19	CO	47.69	450	CI	CO	23.57	0
0805	51.28	CO	44	425	CI	CO	15.91	0
0901	54.59	CO						
0902	56.58	CO	53.36	300	CI	VC	25.78	0
0903	50.3	CO	47.84	300	CI	VC	18.28	0
0905	54.85	CO	0	375	CI	VC	23.88	7
1800	49.71	CO						
1900	55.3	CO	52.21	300	CI	VC	27.89	0
1902	52.29	CO	48.18	300	CI	VC	51.35	1
1903	54.01	CO	50.38	300	CI	VC	48.26	1
1910	58.68	SW	57.37	150	CI	PVC	37.34	0
1911	57.71	CO						
1912	56.79	CO						
1913	55.8	CO						
1915	55.8	CO	53.64	150	CI	PVC	7.75	0
1916	55.8	CO	54.92	150	CI	PVC	13.41	0
1917	57.98	SW	56.58	150	CI	PVC	33.5	0
1918	57.24	SW						
1919		CO						
2901	55.73	CO						
2902	55.8	CO						
2905	55.11	CO	52.59	340	SQ	BR	44.14	0
2907	57.02	CO						
2908	57.6	CO						
2906	55.28	CO	54.68	300	CI	VC	48.37	0
2907	57.14	SW	0	300	CI	VC	11.4	4
3501	47.85	SW	54.62	150	CI	PVC	3.88	7
3502	47.97	CO						
3601	51.03	SW	46.88	150	CI	VC	36.16	0
3602	50.98	FO	0	300	CI	VC	28.19	7
3603	50.98	FO	0	150	CI	VC	23.06	13
3700	54.5	CO	53.18	300	CI	VC	38.67	0
3701	54.59	CO	53.54	225	CI	VC	76.71	1
3801	FO							
3900	60.09	CO	56.83	300	CI	VC	54.42	0
3901	58.29	CO						
3903	55.22	CO	51.25	450	CI	VC	50.99	1
3904	55.67	CO						
3905	55.74	CO						
3906	55.44	CO						
4502	48.82	SW						
4503	SW							
4504	50.82	SW	225		CI	VC	22.45	
4505	51.05	SW						
4506	51.05	SW						
4507	SW							
4509	50.14	FO	49.49	225	CI	VC	21.88	0
4510	50.97	FO						
4511	50.7	FO						
4512	51.01	FO						
4513	51.14	FO						
4514	48.78	FO						
4515	50.78	SW	47.1	375	CI	CO	54.56	1
4601	51.04	SW						
4602	53.52	SW						
4603	54.21	SW	62.84	150	CI	VC	24.2	0
4604	53.99	SW	51.84	150	CI	VC	13.28	0
4606	53.07	SW	51.74	150	CI	VC	16.85	0
4607	51.07	FO						
4608	53.43	FO						
4609	53.77	FO	52.35	150	CI	VC	13.96	0
4610	53.97	FO	52.67	225	CI	VC	29.45	0
4700	54.98	CO						
4702	54.98	CO						
4704	55.71	CO	0	300	CI	VC	11.7	9
4705	54.98	CO						
4800	56.32	CO						
4802	FO							
4803	FO							
4804	FO							
4805	SW							
4806	SW							
4807	SW							
4808	SW							
4809	SW							
4810	CO							
4811	CO							
4801	56.83	CO	0	300	CI	VC	17.42	4
4802	57.98	CO	0	450	CI	VC	39.68	10
4904	61.16	CO	0	300	CI	VC	33.14	8
0702	CO		50.78	450	CI	CO	20.62	0
1908	CO							
3802	SW		0				272.29	
4707	CO							
4708	CO							
4903	CO		0	300	CI	VC	51.09	26
4905	CO		0	300	CI	VC	95.35	23
0703	CO							
0709	CO							
0804	CO							
1905	CO		0	375	CI	VC	55.03	15
1914	CO							
2905	CO							
3702	CO							
3902	CO							
4701	CO							
4703	CO							
4706	CO							
4801	CO							
4900	CO							
0710	50.97	CO						
0714	CO							
1901	56.31	CO						
1909	CO							
0706	CO		50.49	450	CI	CO	7.13	0
0712	CO		48.06	375	CI	CO	5.16	0
1904	CO		50.78	300	CI	VC	29.92	0
2900	CO		54.51	300	CI	VC	30.31	0
2903	CO							

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Manhole

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Rising Main, Public

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overflow

Manhole



OS Sheet No: SD8502SW

Scale: 1: 1250 Date: 16/04/2014

Printed By: Hazel Kay

Item	Cover	Func	Invest	Size x	Size x	Shape	Mat	Length	Grad	Refo	Cover	Func	Invest	Size x	Size x	Shape	Mat	Length	Grad
1001	47.62	SW		300			CI	VC 18.63											
1002		SW																	
1003	47.61	FO		150		CI	VC	14.92											
1004		FO																	
1005	53.23	SW																	
1006	51.05	SW																	
1007	47.47	SW																	
1008	47.65	SW																	
1009	47.65	SW																	
1010	47.52	FO																	
1011	47.79	FO																	
1012	47.85	FO																	
1013	50.92	FO																	
1014	53.79	FO																	
2001	45.15	CO	0	900		CI	CO	27.66	5										
2002		CO	0	450		CI	CO	38.86	10										
2003		CO																	
2004	45.12	CO																	
2005		SW																	
2006		FO																	
2101		CO																	
2102		SW		300		CI	VC	19.97											
2103		FO																	
2104		FO																	
2200	47.52	CO																	
2301		CO																	
3001	45.27	CO	41.36	450		CI	CO	14.49	0										
3005		CO																	
3100	46.91	CO																	
3101	46.81	CO	43.46	300		CI	VC	55.23	1										
3401	47.32	SW																	
3402	48.18	SW																	
4003		FO		150		CI	VC	3.58											
4005		SW		225		CI	VC	19.95											
4006		SW																	
4101		OV	0	225		CI	VC	7.07	1										
4104		CO		0		CI	VC	7.44											
4106		SW																	
4107		FO																	
4108		CO		225		CI	VC	82.39											
4200	50.86	CO				43.86	600	CI	CO	31.02	0								
4201	50.03	CO																	
4202	50.25	CO				46.01	300	CI	VC	114.21	2								
4401	48.7	SW				46.94	225	CI	VC	24.68	0								
4402	48.68	SW																	
4403	48.21	FO																	
4404	48.68	FO	46.61	150		CI	VC	24.91	0										
4405	49.05	SW																	
4608	49.13	FO																	
2302		CO		0	1100	700	EG	VC	60.42	9									
4103		CO																	
4204		SW		0	150		CI	VC	28.02	5									
4206		CO	43.78	900	600	EG	EG	31.38	9										
4207		CO	43.81	600	900	EG	VC	19.76	0										
2008		CO																	
3002		CO																	
3003		CO	0	1400		CI	CO	153.35	32										
4105		CO																	
4109		CO																	
4002		CO		0		CI	CI	64.09											
4100		CO																	

WASTE WATER SYMBOLOGY

road	surface	combined	overflow	
				Manhole
				Manhole, Side Entry
				Mainsewer, Public
				Mainsewer, Private
				Mainsewer, S104
				Rising Main, Public
				rising main, private
				Rising Main, S104
				Highway Drain, Private

Tool		Surface Condition		Year of Installation		Slope	
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8
1	2	3	4	5	6	7	8

ABANDONED PIPE

- Main Sewer
- Rising Main
- Highway Drain
- Sludge Main

Surface / Control			Wastewater Treatment			Sewer Main, Storm			Sewer Main, Storm		

LEGEND

MANHOLE FUNCTION

FO	Foul
SW	Surface Water
CO	Combined
OV	Overflow

SEWER SHAPE

CI	Circular	TR	Trapezoidal
EG	Egg	AR	Arch
OV	Oval	BA	Barrel
FT	Flat Top	HO	HorseShoe
RE	Rectangular	UN	Unspecified
SQ	Square		

SEWER MATERIAL

AC	Asbestos Cement	DI	Ductile Iron
BR	Brick	PVC	Polyvinyl Chloride
PE	Polyethylene	CI	Cast Iron
RP	Reinforced Plastic Matrix	SI	Spun Iron
CO	Concrete	ST	Steel
CSB	Concrete Segment Bolted	VC	Vitrified Clay
CSU	Concrete Segment Unbolted	PP	Polypropylene
CC	Concrete Box Culverted	PF	Pitch Fibre
PSC	Plastic/Steel Composite	MAC	Masonry, Coursed
GRC	Glass Reinforced Concrete	MAR	Masonry, Random
GRP	Glass Reinforced Plastic	U	Unspecified

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OS Sheet No: SD8502SW
Scale: 1: 1250 Date: 16/04/2014

61 Nodes
Sheet 1 of 1



SEWER RECORDS

These general conditions and precautions apply to the water distribution system of United Utilities.

Please ensure that a copy of these conditions is passed to your representative and contractor on site.

1. United Utilities provides approximate locations of its water mains or apparatus according to its records. These records are not necessarily accurate or complete nor do they normally show the positions of private service pipes from the mains to properties. Where service pipes are shown, a blue broken line indicates their approximate position. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated.

2. Special requirements relative to our apparatus may be indicated. United Utilities employees will visit any site at reasonable notice to assist in the location of its underground water apparatus and advise any precautions that may be required to obviate any damage. To arrange a visit or for further information regarding new supplies, connections, diversions, costing, future proposals for construction of company apparatus or any notification required under these General Conditions, please telephone us on **0845 746 2200** or write to United Utilities, PO Box 453, Warrington, WA5 3QN.

3. In order to achieve safe working conditions adjacent to any water apparatus the following should be observed;

(a) All water apparatus should be located by hand digging prior to the use of mechanical excavation.

(b) During construction work where heavy plant may have to cross the line of a water main, and the main is not under a carriageway of adequate standard of construction, crossing points should be suitably reinforced with sleepers, steel plates or a specially constructed reinforced concrete raft as necessary. These crossing points should be clearly indicated and crossing the line of the water main at other places should be prevented. United Utilities employees will advise on the type of reinforcement necessary. This is particularly important on agricultural or open land, where tilling or erosion may have significantly reduced the original cover.

(c) No explosive should be used within 32 metres of any United Utilities apparatus without prior consultation with United Utilities.

(d) Where it is proposed to carry out piling within 15 metres of any water main United Utilities should be consulted so that the affected main may be surveyed.

4. During any excavation, it is important that measures should be taken to ensure continued support for any water main:

(a) Where excavation of trenches adjacent to any water main is likely to affect its support, the main must be supported to the satisfaction of United Utilities.

(b) Where a trench is excavated crossing or parallel to the line of a water main, the backfill should be adequately compacted to prevent any settlement which could subsequently cause damage to the main. In special cases it may be necessary to provide permanent support to a main which has been exposed over the length of the excavation before back-filling and reinstatement is carried out. No back-filled concrete should contact the main.

5. No other apparatus should be laid over and along the line of a water main irrespective of clearance. A minimum clearance of 450 millimetres should be allowed between any plant being installed and an existing main, to facilitate maintenance and repair, whether the adjacent plant is parallel to or crossing the main. No manhole, chamber, or other obstruction should be built over or around a water main.

6. Where a water main is coated with special wrapping and the wrapping is damaged, even to a minor extent, United Utilities must be notified, and the excavation must be left open for ready access so that repairs can be made. In case of any material damage to the main itself causing leakage, or weakening of the mechanical strength of the pipe, the person or body responsible should immediately notify United Utilities in order that the necessary remedial work can be carried out. The full cost of the necessary remedial work will be charged to the person or body responsible for the damage.

7. If you propose to change existing levels over water mains you will need to inform us. We will need specific locations to be identified together with precise details as to the scale of the proposed changes to existing ground levels. Changes to existing levels may require the diversion of our apparatus at your cost. However, in certain circumstances we may wish to leave our apparatus where it is. On these occasions you will usually be required to protect our apparatus by means of a concrete raft and either raise or lower any surface boxes affected.

8. Under no circumstances should our surface boxes be either buried or left in a situation where they are raised above finished ground levels. You should re-use and re-set any surface boxes affected by your works into the new surface so that they align over the water apparatus below. You will be responsible for the cost of repairing any damage to our apparatus as a result of your works.

9. Where proposals involve resurfacing, you must notify United Utilities if your excavation will be greater than 750mm in the highway and 300mm in a footpath, verge or other location.

10. For information regarding easements, deeds, grants, licences or wayleaves, please write to United Utilities Property Solutions, Coniston Buildings, Lingley Mere Business Park, Lingley Green Avenue, Great Sankey, Warrington WA5 3UU (Tel 01925 731 365).

Tree planting restrictions over water mains

a) Poplar and willow trees have extensive root systems and should not be planted within 10 metres of any water main.

b) The following trees and those of a similar size, whether they are deciduous or evergreen, should not be planted within six metres of any water main:

- Ash, beech, birch, elm, horse chestnut, lime, oak, sycamore;
- Apple trees and pear trees;
- Most conifers.

c) United Utilities requires access to the route of its mains at all times to inspect for leaks and carry out surveys.

We recommend that no shrubs or bushes which might obstruct or interfere with our access should be planted within one metre of the centre line of any water main.

d) There may be instances when both United Utilities and the landowner will wish to plant shrubs or bushes close to the water main for screening or other purposes. The following shallow rooting shrubs would be suitable for this purpose:

- Blackthorn, broom, cotoneaster, elder;
- Hazel, laurel, privet, quickthorn, snowberry;
- Most ornamental flowering shrubs.

e) In areas where soft fruit is grown, blackcurrant, raspberries and gooseberries may be planted close to the main, provided that a path is left clear for inspection access and surveys. United Utilities can give additional advice where required in particular circumstances.



Conditions and information regarding wastewater network

**These general conditions and precautions apply
to the wastewater network of United Utilities.**

**Please ensure that a copy of these conditions is
passed to your representative and contractor on site.**

1. United Utilities provides the approximate locations of its sewers according to its records. These records are not necessarily accurate or complete nor do they normally show the positions of every sewer culvert or drain, private connections from properties to the public sewers or the particulars of any private system. No person or company shall be relieved from liability for any damage caused by reason of the actual positions and/or depths being different from those indicated. The records do indicate the position of the nearest known public sewer from which the likely length of private connections can be estimated together with the need for any off site drainage rights or easements.

2. Special requirements relative to our sewers may be indicated. United Utilities employees or its contractors will visit any site at reasonable notice to assist in the location of its underground sewers and advise any precautions that may be required to obviate any damage. To arrange a visit or for further information regarding new supplies, connections, diversions, costing, or any notification required under these General Conditions, please call us on **0845 746 2200**.

3. Where public sewers are within a site which is to be developed and do not take any drainage from outside the area, they are from an operational viewpoint redundant. The developer must identify all redundant sewers affected by the development and apply to United Utilities in writing for these sewers to be formally closed. The developer shall bear all related costs of the physical abandonment work.

4. Public sewers within the site that are still live outside the area will be subject to a "Restricted Building zone". This would normally be a surface area equivalent to the depth of the sewer measured from the centre line of the sewer on either side. No construction will be permitted within that zone. The developer should also note that deep and wide rooted trees must not be planted in close proximity to live sewers. Access to public sewers must be maintained at all times and no interference to manholes will be permitted during construction work.

5. Where there is a public sewer along the line of a proposed development/building, arrangements shall be made by the developer at his cost to divert the sewer around the development. Where this is not possible and as a last resort, a "Building Over Agreement" will need to be completed under section 18 of the Building Act 1984. The developer shall design building foundations to ensure that no additional loading is transferred to the sewer and submit such details both to the Local Authority's Building Control Officer and to United Utilities for approval/acceptance. United Utilities on a rechargeable basis would normally undertake all aspects of design work associated with the diversion of any part of the operational wastewater network. For further advice please call asset protection on **01925 678 306**

6. Where there is a non-main river watercourse/culvert passing through the site, the landowner has the responsibility of a riparian owner for the watercourse/culvert and is responsible for the maintenance of the fabric of the culvert and for all works involved in maintaining the unrestricted flow through it. Building over the watercourse/culvert is not recommended. The developer must contact the local authority before any works are carried out on the watercourse/culvert. Where it is necessary to discharge surface water from the site into the watercourse/culvert the developer shall make an assessment of the available capacity of the watercourse/culvert (based on a 1 in 50 year event) and ensure that the additional flow to be discharged into the watercourse/culvert will not cause any flooding. In appropriate cases, flooding may be prevented by on-site storage. The developer shall submit the relevant details required to substantiate his development proposals. Details of any outfall proposed shall also be submitted to the Environment Agency, PO Box 12, Richard Fairclough House, Knutsford Road, Warrington, Cheshire, WA4 1HT for their approval.

7. Where there is a main river watercourse/culvert passing through the site, the developer shall submit all proposals affecting the river to the Environment Agency at the address stated in paragraph 6 for approval/acceptance.

8. Your attention is drawn also to the following:

• **Private drains or sewers which may be within the site.**

On 1 October 2011 all privately owned sewers and lateral drains which communicate with (that is drain to) an existing public sewer as at 1 July 2011 will become the responsibility of the sewerage undertaker. This includes private sewers upstream of pumping stations that have yet to transfer, but excludes lengths of sewer or drain that are the subject of an on-going appeal or which have been excluded from transfer as a result of an appeal or which are on or under land opted-out by a Crown body. The transfer specifically excludes sewers and lateral drains owned by a railway undertaker. Sewers upstream of such assets, however, are transferred. Such assets may not be recorded on the public sewer record currently as it was not a requirement to keep records of previously private sewers and drains.

• **Applications to make connections to the public sewer.**

The developer must write to United Utilities requesting an application form that must be duly completed and returned. No works on the public sewer shall be carried out until a letter of consent is received from United Utilities.

• **Sewers for adoption.**

If an agreement for the adoption of sewers under Section 104 of the Water Industry Act 1991 is being contemplated, a submission in accordance with "Sewers for Adoption", Seventh Edition, published by the Water Research Centre (2001) Plc, Henley Road, Medmenham, PO Box 16, Marlow, Buckinghamshire, SL7 2HD will be required, taking into consideration any departures from the general guide stipulated by United Utilities.

• **Further consultation with United Utilities.**

Developers wishing to seek advice or clarification regarding sewer record information provided should contact United Utilities to arrange an appointment. A consultation fee may be charged, details of which will be made available at the time of making an appointment.

9. Combined sewers, foul sewers, surface water sewers, and pumped mains. These are shown separately in a range of colours or markings to distinguish them on our drawings, which are extracts from the statutory regional sewer map. A legend and key is provided on each extract for general use, although not all types of sewer will be shown on every extract.

Combined sewers shown coloured red carries both surface water and foul sewage, especially in areas where there is no separate surface water sewerage system.

Foul sewers coloured brown may also carry surface water and there may be no separate surface water system indicated in the immediate area. Both combined and foul sewers carry wastewater to our treatment works before it can safely be returned to the environment.

Surface water sewers coloured blue on our drawings are intended only to carry uncontaminated surface water (e.g. rainfall from roofs, etc) and they usually discharge into local watercourses. It is important for the protection of the environment and water quality that only uncontaminated surface water is connected to the surface water sewers. Improper connections to surface water sewers from sink wastes, washing machines and other domestic use of water can cause significant pollution of watercourses.

Pumped mains, rising mains and sludge mains will all be subject to pumping pressures and are neither suitable nor available for making new connections.

Highway drains, when included, show as blue and black dashed lines. Highway drains are not assets belonging to United Utilities and are the responsibility of local authorities.

10. For information regarding future proposals for construction of company apparatus please write to United Utilities, PO Box 453, Warrington, WA5 3QN.

11. For information regarding easements, deeds, grants or wayleaves please write to United Utilities Property Solutions, Coniston Buildings, Lingley Mere Business Park, Lingley Green Avenue, Great Sankey, Warrington WA5 3UU (Tel: 01925 731 365).

Appendix E: Japanese Knotweed Report – issued by Nimrod Environmental LTD

Nimrod Environmental Ltd

Japanese Knotweed Report

Site: Cleveland Road, Crumpsall

Prepared for: Manchester City Council



Nimrod Environmental Ltd

Issue Date: 08-07-2013
Prepared By: Daniel Kaye

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Nimrod Environmental Ltd.

Nimrod Environmental Ltd

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Document Control

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Nimrod Environmental Ltd

1.0 Company Information

- 1.1 Nimrod Environmental Ltd (hereafter referred to as Nimrod) was formed to provide a quality specialist invasive weed eradication service to a wide range of UK clients. We have unparalleled knowledge and experience in the treatment and eradication of Japanese Knotweed from a range of sites. All our services are provided in house reducing the need to subcontract, utilising our own management, labour and equipment thus ensuring consistently high standards of Quality, Health and Safety and Environmental management.
- 1.2 Our success as a company and the esteem in which we are held by our clients has been achieved through working to strict control measures in order to avoid any cross contamination around the site and ensuring that everyone who works within the Company practices these values.

Nimrod Environmental Ltd

2.0 Introduction

- 2.1 Maureen Barrett commissioned Nimrod in July 2013 to survey the site in order to identify and record the extent of the Japanese Knotweed infestation.
- 2.2 The results of this have shown that the infestation is well established and covers the majority of the site.
- 2.3 Discussions regarding past land use, chemical treatment activity and recent site works have also been considered resulting in the conclusion detailed in this report.
- 2.4 The site is located on the corner of Cleveland Road and Delaunays Road, Crumpsall, Manchester. (Map in Appendix B)

3.0 Survey Results

- 3.1 Daniel Kaye of Nimrod surveyed the site at Cleveland Road in Crumpsall noting all areas of Japanese Knotweed growth.
- 3.2 The survey results ascertain that the infestation is well established on the site and is present across the majority of the area.
- 3.4 There were numerous medium sized crowns noted on site B which shows that the infestation has been established on this land for some time.
- 3.5 The Japanese Knotweed appears to have been chemically treated as the regrowth is growing back in a deformed manner.
- 3.6 Tree clearance and pruning, hedge planting and grass seeding work appear to have been carried out recently in site A.
- 3.7 Some old crowns of Japanese Knotweed were noted on site A.
- 3.8 Evidence of dislodged Japanese Knotweed rhizome was noted on both sites.

The information contained in this report is limited to the site boundary as indicated on the supplied Site Layout / Development Plans and to those surrounding areas accessible during the site survey. Any areas not specifically mentioned in this report cannot be assumed to have been covered.

4.0 Legislation and Codes of Practice

- 4.1 The destructive nature of Japanese Knotweed and the resilience to treatment has lead to strong legislation being put in place to mitigate the problem.
- 4.2 The advised methodology has considered the available methods for removal of the Japanese Knotweed infestation, the methods for eliminating the risk of Knotweed spreading within the site and the method for the disposal of any controlled waste. Elements of the proposed works are covered by legislation and or codes of practice which have consequences for people involved in the management or disposal of Japanese Knotweed.

4.3 Wildlife and Countryside Act 1981 (WCA 1980)

- 4.3.1 Japanese Knotweed (*Fallopia japonica* var. *japonica*) is listed as an invasive alien species on Schedule 9 of the Act. Section 14(2) states that "if any person plants or otherwise causes to grow in the wild any plant which is included in Part II of Schedule 9, he shall be guilty of an offence." Anyone convicted of an offence under Section 14 of the Act may face a fine of £5,000 and/or 6 months imprisonment, or 2 years and/or an unlimited fine on indictment.

4.4 Environmental Protection Act 1990 (EPA 1990)

- 4.4.1 This Act states that viable knotweed material and soil containing root or rhizome must be disposed of as 'controlled waste' if they are to be removed from their site of origin. Viable Japanese Knotweed is classed as any vegetative matter such as a bud or other offshoot, that aid in dispersal of the species and from which a new individual may develop.
- 4.4.2 All waste containing Japanese Knotweed must be disposed of in accordance with official Environment Agency and/or SEPA guidance designed to prevent the further spread of the plant.
- 4.4.3 As set out in the Knotweed Code of Practice (Environment Agency publication) the most relevant provisions are in, 'section 33 (1a) and (1b) which create offences to do with the deposit, treating, keeping or disposing of controlled waste without a licence. Exemptions from licensing are available in some circumstances, and are set out in Schedule 3 to the Waste Management Licensing Regulations 1994 as amended (the WMLR 1994) S.33 (1c) which makes it an offence to keep, treat or dispose of controlled waste in a manner likely to cause pollution of the environment or harm to human health'.
- 4.4.4 It also states that 'section 34 places duties on any person who imports, produces, carries, keeps, treats or disposes of controlled waste. Waste must be handled responsibly and in accordance with the law at all stages between its production and final recovery or disposal. Waste must be transferred to an authorised person, in other words a person who is either a registered carrier or exempt from registration by the **controlled waste (Registration of carriers and seizure of vehicles) Regulations 1991**. A waste transfer note must be completed and signed giving a written description of the waste. The provisions concerning waste

Nimrod Environmental Ltd

transfer notes are set out in the Environmental Protection (Duty of Care) Regulations 1991 (as amended). Failure to comply with these provisions is an offence'.

- 4.4.5 Parties can also be held liable for costs incurred from the spread of Japanese Knotweed into adjacent properties and for the disposal of infested soil off site during development which later leads to the spread of Knotweed onto another site.

4.5 Nature Conservation (Scotland) Act 2004

- 4.5.1 In Scotland, the Nature Conservation (Scotland) Act 2004 introduced a number of new measures to tackle non-native species. Controls on species listed on Schedule 9 of the Wildlife and Countryside Act and of plant species released into the wild were increased to include hybrids of those species. However, there is currently no statutory obligation to control or report the location of invasive non-native plants, i.e. it is not an offence to have Japanese Knotweed on your land and it is not a notifiable weed.

4.6 The Hazardous Waste Regulations 2005 (HWR 2005)

- 4.6.1 Whilst untreated Japanese Knotweed is not classed as hazardous waste, material containing Knotweed which has been treated with certain herbicides may be classified as hazardous waste. In this regard The Hazardous Waste Regulations 2005 (HWR 2005) contain provisions about the handling and movement of hazardous waste. Consignment notes must be completed when any hazardous waste is transferred, which include details about the hazardous properties and any special handling requirements. If a consignment note is completed, a waste transfer note is not necessary.

4.7 The Waste Management Licensing Regulations 1994

- 4.7.1 The Waste Management Licensing Regulations 1994 describe 'waste relevant objectives' in Paragraph 4 of Schedule 4. These objectives require that waste is recovered or disposed of "without endangering human health and without using processes or methods which could harm the environment and in particular without – risk to water, air, soil, plants or animals; or causing nuisance through noise or odours; or adversely affecting the countryside or places of special interest."

4.8.1 The Control of Pesticides Regulations 1986

- 4.8.1 This act requires any person who uses a pesticide to take all reasonable precautions to protect the health of human beings, creatures and plants, safeguard the environment and in particular avoid the pollution of water. For application of herbicides in or near water approval should be sought from the Environment Agency.

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4.9 COSHH Regulations 2002

- 4.9.1 The person who will be undertaking the spraying must hold a Certificate of Competence for herbicide use or should work under the direct supervision of a certificate holder. A COSHH (Control of Substances Hazardous to Health) assessment must be carried out for all activities involving herbicides.

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5.0 Japanese Knotweed Information

- 5.0.1 Japanese Knotweed is a non-native invasive species which was introduced into the UK during the mid-nineteenth century as an ornamental plant. Since this introduction the spread of Japanese Knotweed throughout the UK has been nothing short of staggering.
- 5.0.2 Originating from the volcanic regions of Japan it thrives on disturbance and has used this attribute to spread down watercourses, transport routes and waste land in the UK.
- 5.0.3 In its native region Japanese Knotweed is controlled by a range of natural pests and diseases including a weevil and rust fungus. Here in the UK without these restrictions it is thriving and capable of outcompeting our native flora and fauna.
- 5.0.4 Japanese Knotweed is not just a problem to our native wildlife. Its vigorous growth is capable of damaging buildings and hard surfaces and once established in the built environment it can be particularly difficult to control.
- 5.0.5 The plant itself is a perennial meaning it will come back year after year and spreads via an extensive underground rhizome system. This can grow underground for up to 7 metres laterally and 3 metres in depth. It then uses this root system to grow up in other places.
- 5.0.6 At present there is no evidence to show that there are male plants present in the UK therefore it can rarely spread by seed, although a piece of rhizome the weighing as little as 0.7 grams has been proven to produce a new plant within 10 days.

5.1 Identification

- 5.1.1 Japanese Knotweed emerges in spring with small, purple, asparagus like shoots.
- 5.1.2 These grow quickly to between 2-3 metres tall with large heart shaped leaves. Growth rates of up to 40mm per day have been recorded.
- 5.1.3 The hollow bamboo like stems are usually green with purple speckles. During August to October small creamy white flowers hang in clusters from the stems.
- 5.1.4 In the winter the leaves die back and orange/brown coloured woody stems are left.

For further help and information on Japanese Knotweed identification refer to the Knotweed Code of Practice (Environment Agency publication) appendix I,II and III or contact Nimrod Environmental Ltd directly.

6.0 Conclusion

- 6.1 The crowns noted in site B show that the infestation is well established and a rough estimate on the age of these crowns would be 5-8 years. Chemical treatment has been carried out on the stands which make it even more difficult than usual to age the infestation.

Some crowns were noted on site A however these were not as large as on site B, this could suggest that originally it spread from one area to the other. Due to the fact that work has been carried out in site A, which could have dislodged and removed the larger crowns this theory cannot be substantiated without further evidence.

There were signs of cross contamination noted across the site including dislodged crowns, rhizomes and areas of fresh new growth. It is likely that the tree and seeding work carried out on the site has exacerbated the problem, however it is evident that this work has not been the original cause of the problem.

It is advised that a management plan is put in place and further chemical treatments are carried out by a specialist to bring the infestation under control with the aim of eventual eradication.

Appendix 1



Large
established
crowns on
Site B



Deformed
regrowth
evidence
that
chemical
treatment
has been
carried out
in the past



Overview of large crowns and deformed regrowth on Site B.



Crowns noted on site A



Numerous areas of possible cross contamination in site A in newly seeded areas



Dislodged rhizome on site A



Dislodged
Crown on
site A



Dislodged
rhizome on
site B

Appendix 2

